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आत्मनिर्भर भारत

CPWD

Central Public Works Department
Analysis of Rates for Delhi
Volume - I
2023



Pradhanmantri Sangrahalaya, New Delhi

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GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

ANALYSIS OF RATES FOR DELHI (VOL.1) 2023

CPWD

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For feedback and suggestions, please contact SE(TAS), CPWD, Room No. 418, ''A'' Wing, Nirman Bhawan, New Delhi- 110011. Tel. No. 011-23062339, Email: delsetascsq.cpwd@nic.in

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Rajesh Kumar Kaushal
Director General

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Government of India

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FOREWORD

Delhi Analysis of Rates (DAR) brought out by CPWD is a comprehensive and useful document forming the basis for the rates of various items in DSR. It is based on regular assessment (based on observation during execution) of inputs of materials, labour, and machinery by various stakeholders as well as inputs provided by manufacturers of building materials and technologies for various items involved in civil works.

The DAR serves as backbone in preparation of DSR. Firstly it was published in 1950. Thereafter as per requirement, it was regularly revised to cope up with the necessity of items in the field with changing requirement of new building materials and technology.

The last edition of Delhi Analysis of Rates was published in the year 2021 and its revision has become necessary since DSR is being revised owing to:

(a) Provision contained in CPWD Manual to revise the DSR after every two years.
(b) Incorporating Corrections in analysis of rates of items which issued through correction slip No.1 to 22.
(c) Revision of GST rates on works from 12% to 18% w.e.f 18.07.2022.

I wish to place on record the technical input and effective coordination provided by Shri Dharmesh Chandra Goel, ADG (Tech.), Shri Prem Mohan CE/CSQ (Civil), Shri Vinayak Rai and the sincere efforts put in by Shri D.K. Ujjainia, SE (TAS), Shri M. Seetarama Rao, Shri S. N. Jaiswal EE(TAS), Shri Durga Ram Chowdhary AE(TAS), Shri Akhileshwar Shah, Chief Estimator and the entire team of officers in CSQ unit in preparing and finalizing the DAR 2023, in a short and time bound frame.

I am sure that **CPWD Delhi Analysis of Rates 2023** will be useful to all Engineers of the CPWD and PWD, Delhi and other engineering organizations adopting DAR 2023 for their works.

Place: New Delhi
Date: July 12, 2023

(Rajesh Kumar Kaushal)
Director General



Dharmesh Chandra Goel
Addl. Director General (Tech)

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Government of India

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PREFACE

1. CPWD Delhi Analysis of Rates 2023 is the revised edition of CPWD DAR 2021.

2. Delhi Analysis of Rates 2023 included all the correction slips issued so far.

3. Delhi Analysis of Rates 2023 is published in two volumes (vol. I & vol. II). The volume I & II is having 12 sub heads and 14 subheads respectively as follows.

Volume Number	Sub-head No.	Content/Sub-head
One	0	Basic Rates
	1	Carriage of Materials
	2	Earth Work
	3	Mortars
	4	Concrete Work
	5	Reinforced Cement Concrete
	6	Masonry Work
	7	Stone Work
	8	Cladding Work
	9	Wood and PVC Work
	10	Steel Work
	11	Flooring
	12	Roofing
Two	13	Finishing
	14	Repairs to Buildings
	15	Dismantling and Demolishing
	16	Road Work
	17	Sanitary installations
	18	Water Supply
	19	Drainage

Volume Number	Sub-head No.	Content/Sub-head
	20	Pile work
	21	Aluminium Work
	22	Water Proofing
	23	Rain Water Harvesting & Tube wells
	24	Conservation of Heritage Buildings.
	25	Structural Glazing Aluminium Composite Panel
	26	New Technologies and Materials

4. Delhi Analysis of Rates 2023 is based on market rates of materials prevailing during the month of April 2023 at Delhi. The basic rates of materials are without GST and are incorporated in the analysis, pertain to materials conforming to BIS Standards/CPWD Specifications/Materials of good quality generally available in the market, as provided by four committees headed by CE NDZ 1, II III of CPWD and CE flyover project zone, PWD. The prevalent GST @ 18% on work contracts has been incorporated in analysis of all items. Labour rates are taken from the minimum rate of wages including the basic rates and variable dearness allowance issued by the Chief Labour Commissioner, New Delhi Ministry of Labour and Employment, Govt. of India vide letter No. 1/S(i)/2023-LS-II dated 03.04.2023 and Commissioner (Labour), Govt. of NCT of Delhi vide letter No. (142)/02/MW/VIII/Part file/429-443 dated 20.04.2023 (whichever is higher) w.e.f. 01.04.2023.

5. The nomenclature of main items has been printed along with the analysis of first Sub Item only to conserve the space and number of pages.

6. Sundries have been considered as 2.27 times based on Cost Index of Delhi as on 01.04.2023 which is 107 over Delhi Plinth Area Rates 2021 with base 100 as on 01.04.2021.

7. I wish to place on record the technical input and effective coordination on the part of Shri Prem Mohan, CE, CSQ (Civil) & Shri Vinayak Rai and the sincere efforts put in by Shri Dinesh Kumar Ujjainia, SE (TAS) & Shri M. Seetarama Rao, Shri S.N. Jaiswal EE(TAS), Shri Hemanta Panrui, AE (TAS), Shri Gian Chand, AE (TAS), Shri Raghvendra, AE (T AS) & Shri Akhileshwar Sah, Chief Estimator and special thanks to Shri Durga Ram Chowdhary, AE (TAS) for his constant hard work to carryout the correction in analysis of items through out of the year and in preparation and finalizing the DAR 2023 in a due time.

8. I convey my gratitude to committees under CE, NDZ-1, II, III and CE Flyover Zone, PWD, Delhi who provided market rates of items to CSQ office and thus enabled them to come out with this edition of DAR.

9. Although due care has been taken in bringing out DAR-2023, still there is possibility that some errors are left inadvertently. Errors or omissions may be brought to the notice of Superintending Engineer (TAS), CPWD, Room No. 418, A-Wing, Nirman Bhawan, New Delhi -110011 (delsetascsg.cpwd@njc.in / cecsq.cpwd@nic.in).

Suggestions from everyone who are using this document are welcome as there may have further scope for improvement.

(Dharmesh Chandra Goel)
ADG(Tech) CPWD

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BASIC RATES

BASIC RATES

0.1 HIRE CHARGES OF PLANTS & MACHINERY

Note :- These rates are exclusive of GST, contractor's profit and over heads etc.

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0001	Hire charges of Coaltar Boiler 900 to 1400 litres	day	900.00
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	900.00
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	3350.00
0004	Production cost of concrete by batch mix plant	cum	450.00
0005	Hire charges of Diesel Truck - 9 tonne (with POL)	day	4400.00
0006	Hire charges of Spraying machine including electric charges	day	9750.00
0007	Hire charges of Coaltar Sprayer	day	400.00
0008	Hire charges of Barber green, drying, mixing and Asphalt Plant, with accessories, capacity 30/45 tonne	day	8600.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	250.00
0010	Hire charges of Derrick monkey rope	day	850.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	800.00
0012	Vibrator (Needle type 40 mm)	day	400.00
0013	Machine for rubbing of floors	day	350.00
0014	Front end loader capacity 1.00 cum	day	6700.00
0015	Hire and running charges of Tripod and Mechanical Winch machine complete with power unit and accessories	day	3350.00
0016	Mastic Cooker	day	850.00
0017	Hire and running charges of tipper	day	4200.00
0018	Hire and running charges of loader	day	6700.00
0019	Hand Grinder for mirror polish	day	300.00
0020	Hydraulic Excavator (3D) with driver and fuel	day	7850.00
0021	Pin vibrator	day	300.00
0022	Surface Vibrator	day	350.00
0023	Hot Bitumen Mixer 0.5 cum i/c hand cart	day	3950.00
0024	Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site	day	39500.00
0025	Hire and running charges of light crane	day	3900.00
0026	Hire and running charges of bentonite pump	day	3350.00
0027	Hire and running charges of vibrating pile driving hammer complete with power unit and accessories	day	33500.00
0028	Hire and running charges of crane 20 tonne capacity	day	7850.00
0029	Carriage of ready mixed concrete by rotatory transit mixer	km/cum	40.00
0030	Generator 250 KVA	day	3350.00
0031	Steam curing by using boiler /Heater	cum	550.00
0032	Stressing Machine (jack with pump)	day	12900.00
0033	Paint applicator	day	900.00
0034	Cutting saw machine	day	1500.00
0035	Strands Roller machinery for laying strands	day	3900.00
0036	Bed master (Pulling strands)	day	3350.00
0037	Mobile crane	day	5050.00
0038	Tractor with ripper attachment	day	1350.00
0039	Tractor with trolley	day	1350.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0040	Air compressor 250 cfm with two leads for pneumatic cutters / hammers	day	1800.00
0041	Joint cutting machine with 2-3 blades	day	900.00
0042	C.C .batch mix plant	day	11200.00
0043	Road sweeper	day	600.00
0044	Hire & running charge for crane upto 40 tonne capacity	day	8950.00
0045	Slip form paver with sensor	day	14550.00
0046	Water tanker 5000 litre	day	1350.00
0047	Concrete joint cutting machine	day	700.00
0048	Texturing machine	day	1050.00
0049	Dozer 80 HP	hour	1700.00
0050	Motor Grader 3.35 metre blade	hour	2700.00
0051	Hydraulic Excavator of 1 cum bucket	hour	900.00
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	1450.00
0053	Tipper-5 Cum/10 tonnes	tonne km	3.70
0054	Vibratory roller 8 to 10 tonne	hour	700.00
0055	Smooth Wheeled Roller 8 to 10 tonne	hour	350.00
0056	Tandem Road Roller	hour	1350.00
0057	Water Tanker 5 to 6 KL capacity	hour	250.00
0058	Air compressor	hour	250.00
0059	Wet Mix Plant 60 TPH	hour	1050.00
0060	Mechanical Broom Hydraulic	hour	500.00
0061	Emulsion Pressure Distributor of capacity 1750 sqm per hour	hour	800.00
0062	Hot mix Plant -120 TPH capacity	hour	16800.00
0063	Hot mix Plant 100 TPH Capacity	hour	14550.00
0064	Paver finisher Hydrostatic with sensor control 100 TPH	hour	1700.00
0065	Paver finisher Mechanical 100 TPH	hour	900.00
0066	Batching and Mixing Plant @ 75 cum per hour	hour	2700.00
0067	Cost for crane upto 80 tonne capacity	day	16800.00
0068	Concrete Paver finisher with 40 HP Motor and sensor	hour	3350.00
0069	Generator 250 KVA	hour	450.00
0070	Generator 100 KVA/125 KVA	hour	350.00
0071	Truck 5.5 cum/10 tonnes	tonne km	3.70
0072	Cost for crane having capacity 50MT	day	9500.00
0075	Road sweeper (Mechamical Broom) @ 1250 sqm per hour	hour	500.00
0076	Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output	hour	13450.00
0080	Hire and running charges of drill machine up to 400 mm dia (including cost of mobile oil, diesel consumption in ordinary soil and operator)	day	8400.00
0081	Pile Integrity testing equipment	day	3350.00
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	1700.00
0083	Hire charges of TATA 407 or equivalent for local shifting.	day	1550.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
	Note :- 1. Above hire - charges (from item code 0001 to 0083) include cost of services of operating staff, Cost of lubricating oil, diesel / Petrol/ Kerosene oil , other consumables for running the plant and machinery and excluding GST. 2. The hire charges of plant machinery on per day basis are for single shift of eight working hours.		
0084	Hire charges of diesel truck - 9 tonne (witout POL)	day	2250.00
0085	Using cost of Ultra Violet Radiation tube	Hour	200.00
0086	Compressor, gun, rubber pipes & other accessories- hire charge of plant & machinery i/c necessary fuel	day	4500.00
0087	Hire Charges of Suction Jeting machine 2200 PSI machine i/c POL and operator	day	44800.00
0088	Hire charges of Drill machine upto 30 mm dia	day	200.00
0089	Hire charges of sand blasting equipment	day	450.00
0090	Hire charges of compressor	day	550.00
0091	Welding charges of shear key to existing reinforcement	each	5.00
0092	Hire charges of plant and Machinery that can inject 350 kg/day	day	250.00
0093	Hire Charges of Suction Jeting machine 1500 PSI machine i/c POL and operator	day	11200.00

BASIC RATES
0.2 LABOUR

Note:- **These rates are exclusive of GST, contractor's profit and over heads and are inclusive of wages for weekly day of rest.**

Code No.	Description	Unit	Basic Rate as on or just before 01.04.2023 ₹
0100	Bandhani	day	816.00
0101	Bhisti	day	816.00
0102	Blacksmith 1st class	day	897.00
0103	Blacksmith 2nd class	day	816.00
0111	Carpenter 1st class	day	897.00
0112	Carpenter 2nd class	day	816.00
0113	Chowkidar	day	736.00
0114	Beldar	day	736.00
0115	Coolie	day	736.00
0116	Fitter (grade 1)	day	897.00
0117	Assistant Fitter or 2nd class Fitter	day	816.00
0119	Glazier	day	816.00
0122	Mason (for plaster of paris work) 1st class	day	897.00
0123	Mason 1st class	day	897.00
0124	Mason 2nd class	day	816.00
0125	Mason (for plain stone work) 2nd class	day	816.00
0126	Mason (for ornamental stone work) 1st class	day	897.00
0127	Driver for (Road roller, concrete mixer, Trucks etc.)	day	897.00
0128	Mate	day	816.00
0129	Sewer man	day	736.00
0130	Mistry	day	897.00
0131	Painter	day	816.00
0132	Rock Excavator	day	736.00
0133	Rock Breaker	day	736.00
0134	Rock Hole Driller	day	736.00
0135	Stone Chiseller	day	816.00
0138	Sprayer (for bitumen, tar etc.)	day	816.00
0139	Skilled Beldar (for floor rubbing etc.)	day	816.00
0141	White Washer	day	816.00
0154	Nozzel man/ gun man	day	897.00
0155*	Mason (average)	day	857.00
0156*	Carpenter (average)	day	857.00
0157	Operator (Pile/ Special machine)	day	897.00
0159	Skilled torch operator for laying tack	day	897.00
0160	Technician	day	973.00
0161	Helper (Technician)	day	736.00
0162	Labour for fabrication of uPVC extruded casement/ sliding windows and doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	609.00
0163	Labour for installation of uPVC extruded casement/ sliding windows and doors including scaffolding	sqm	882.00
0164	Security guard without gun (8 hours shift duty per day)	day	897.00
0165	Security guard with gun (8 hours shift duty per day)	day	973.00

0166	Installation charges for fixing of façade at all heights with extruded hollow clay/terracotta ventillated rain screen tiles	sqm	736.00
0167	Polisher 1st class	day	897.00
0168	Polisher 2nd class	day	816.00
0169	Specialized technicians	day	973.00
	*Note:These rates are average of 1st class and 2nd class catogories. These are for use in the analysis of rates only.		

Note:- **These rates are exclusive of GST, contractor's profit and over heads and carriage etc.**

Code No.	Description	Unit	Basic Rate as on or just before 01.04.2023 ₹
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	11.00
0223	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated sheet 6 mm thick	sqm	245.00
0224	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement close fitting adjustable ridge	metre	230.00
0225	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugate serrated adjustable ridge	metre	230.00
0226	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement plain wing adjustable ridge	metre	230.00
0227	Fibre (high impact poly propelene reinforced) cement unserrated adjustable ridge for hips	metre	230.00
0228	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated apron piece	metre	220.00
0229	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement eaves filler piece	each	190.00
0230	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement north light curves	metre	300.00
0231	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement ventilator curves	each	340.00
0232	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement barge boards boards 6 mm thick	metre	430.00
0233	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement ridge finial	pair	180.00
0234	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement special north light curves	each	600.00
0235	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement S type louvers	each	280.00
0236	6 mm thick Non - Asbestos multi purpose fibre cement board Type-B, Category-III as per IS: 14862:2000	sqm	230.00
0237	Multi purpose fibre (high impact poly propelene reinforced) cement board 8 mm thick, Type-B, Category-III as per IS 14862:2000	sqm	240.00
0238	6 mm thick Fibre Cement Board Type A, Category IV as per IS 14862:2000	sqm	510.00
0239	8 mm thick heavy duty fiber cement board	sqm	330.00
0240	9 mm thick Fibre Cement Board Type A, Category IV as per IS 14862:2000	sqm	680.00
0241	12.5 mm thick Gypsum plaster board	sqm	180.00
0242	6 mm thick mulitipurpose cement bonded wood particle board conforming to IS : 14276	sqm	210.00
0243	8 mm thick mulitipurpose cement bonded wood particle board conforming to IS : 14276	sqm	230.00
0244	Factory made light weight composite non asbestos fibre reinforced aerated cement sandwitched wall/roof panel (50 mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 4 mm thick) Type B, Category III as per IS 14862:2000	sqm	650.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0245	Factory made light weight non asbestos fibre reinforced aerated cement sandwitched wall/roof panel (75 mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 5 mm thick) Type B, Category III as per IS 14862:2000	sqm	860.00
0246	2 mm thick sim pad	each	11.00
0247	5 mm thick sim pad	each	16.00
0248	10 mm thick sim pad	each	27.00
0249	10 mm thick Cement Bonded particle board conforming to IS 14276	sqm	500.00
0251	6 mm thick fiber cement board Type A, Category III as per IS: 14862:2000	sqm	244.00
0252	9 mm thick fiber cement board Type A, Category III as per IS: 14862:2000	sqm	306.00
0253	Factory made light weight composite non asbestos fibre reinforced aerated cement sandwitched wall/roof panel (50 mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 4 mm thick) Type A, Category III as per IS 14862:2000	sqm	722.00
0254	Factory made light weight composite non asbestos fibre reinforced aerated cement sandwitched wall/roof panel (50 mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 4 mm thick) Type A, Category IV as per IS 14862:2000	sqm	1012.00
0255	Factory made light weight non asbestos fibre reinforced aerated cement sandwitched wall/roof panel (75 mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 5 mm thick) Type A, Category III as per IS 14862:2000	sqm	822.00
0256	Factory made light weight non asbestos fibre reinforced aerated cement sandwitched wall/roof panel (75 mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 5 mm thick) Type A, Category IV as per IS 14862:2000	sqm	1185.00
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	957.00
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	957.00
0280	Recycled Concrete Aggregate (RCA) 12.5 mm nominal size	cum	957.00
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	957.00
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	390.00
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	420.00
0284	Recycled Aggregate (RA) 10 mm nominal size	cum	450.00
0285	Brick Aggregate (Single size) : 63 mm nominal size	cum	700.00
0286	Brick Aggregate (Single size) : 50 mm nominal size	cum	700.00
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	700.00
0291	Stone Aggregate (Single size) : 63 mm nominal size	cum	1100.00
0292	Stone Aggregate (Single size) : 50 mm nominal size	cum	1100.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1400.00
0294	Stone Aggregate (Single size) : 25 mm nominal size	cum	1400.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1425.00
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1400.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1400.00
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	1425.00
0302	Safeda ballies 125 mm diameter	metre	44.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0303	Cowdung	cum	270.00
0304	Bajri	cum	1100.00
0305	Bamboo 25 mm dia 2.5 metre long	score	420.00
0308	Bhusa	quintal	530.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	33530.00
0310	Bitumen emulsion	tonne	33850.00
0312	Bitumen grade PMB - 40	tonne	36200.00
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	38250.00
0314	Bitumen hot sealing compound : grade A	kg	30.00
0316	Bitumen solution primer of approved quality	litre	50.00
0317	Premoulded joint filler 12 mm thick	sqm	380.00
0318	Bitumen felt fibre base (vegetable or animal):As per IS 7193 Grade I	sqm	75.00
0319	Bitumen felt as per IS 7193 Grade II	sqm	90.00
0322	Bitumen felt :Type 3 grade 1	sqm	80.00
0323	Separation Membrane of impermeable plastic sheeting 125 micron thick	sqm	15.00
0324	Coal Tar	litre	35.00
0325	Blasting powder	kg	44.00
0326	Blasting fuse (fuse wire)	each	46.00
0328	White face insulating board: 12 mm thick	sqm	258.00
0332	Natural colour insulating board: 12 mm thick	sqm	231.00
0336	Flame retardant face insulating board: 12 mm thick	sqm	357.00
0339	Flame retardant face insulating, Impregnated fibre board 12 mm thick	sqm	412.00
0341	Flat pressed three layer or graded wood particle board (medium density) exterior grade Grade 1, FPT-1, conforming and marked to IS:3087 12 mm thick	sqm	325.00
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	253.00
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	170.00
0348	Extra for veneered particle board with Teak veneering on both sides	sqm	550.00
0349	Curing compound	litre	41.00
0351	Integral crystalline slurry	kg	214.00
0352	Integral crystalline admixture	kg	253.00
0353	Crystalline mortar	kg	209.00
0354	Integral crystalline dry shake	kg	308.00
0355	Swellable type water stop tape	metre	354.00
0356	Primer for swellable type water stop tape	litre	1430.00
0357	Polymer modified adhesive mortar	kg	16.00
0362	Brick bats	cum	525.00
0364	Wire brush	each	25.00
0365	Soft brush	each	25.00
0367	Portland Cement (OPC-43 Grade)	tonne	5156.00
0368	White Cement	tonne	10500.00
0369	Plastic sheet,1.25 mm thick for dowel bars	sqm	27.00
0370	Coal (steam)	quintal	500.00
0371	Sealant primer	kg	143.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0373	Cramp Gun metal 25x6x300 mm	each	88.00
0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	sqm	440.00
0378	Brass butt hinges (light/ordinary type) : 125x70x4 mm	10 Nos	852.00
0379	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	687.00
0380	Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	418.00
0381	Brass butt hinges (light/ordinary type) : 50x40x2.5 mm	10 Nos	170.00
0382	Brass butt hinges (heavy type) : 125x85x5.5 mm(0.70 kg)	10 Nos	1439.00
0383	Brass butt hinges (heavy type) : 100x85x5.5 mm(0.56 kg)	10 Nos	1096.00
0384	Brass butt hinges (heavy type) :75x65x4.0 mm (weighing not less than 0.20 kg)	10 Nos	921.00
0385	Brass parliamentary hinges 150x125x27x5 mm	10 Nos	2871.00
0386	Brass parliamentary hinges 125x125x27x5 mm	10 Nos	2530.00
0387	Brass parliamentary hinges 100x125x27x5 mm	10 Nos	2299.00
0388	Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	2057.00
0389	Brass single acting spring hinges 150 mm	each	467.00
0390	Brass single acting spring hinges 125 mm	each	313.00
0391	Brass single acting spring hinges 100 mm	each	275.00
0392	Brass double acting spring hinges 150 mm	each	528.00
0393	Brass double acting spring hinges 125 mm	each	440.00
0394	Brass double acting spring hinges 100 mm	each	429.00
0400	Brass tower bolt (barrel type) 250x10 mm	each	285.00
0401	Brass tower bolt (barrel type) 200x10 mm	each	230.00
0402	Brass tower bolt (barrel type) 150x10 mm	each	180.00
0403	Brass tower bolt (barrel type) 100x10 mm	each	120.00
0404	Brass flush bolt 250 mm	each	175.00
0405	Brass flush bolt 150 mm	each	150.00
0406	Brass flush bolt 100 mm	each	110.00
0408	Brass handles 125 mm with plate 175x32 mm	each	170.00
0409	Brass handles 100 mm with plate 150x32 mm	each	155.00
0410	Brass handles 75 mm with plate 125x32 mm	each	120.00
0411	Brass door latch 300x16x5 mm weighing not less than 0.380 kg	each	205.00
0412	Brass door latch 250x16x5 mm weighing not less than 0.350 kg	each	195.00
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	440.00
0414	Brass mortice latch 100x65 mm with a pair of brass lever handles	each	350.00
0417	Brass 150 mm floor door stopper weighing not less than 0.357kg	each	175.00
0418	Brass hard drawn hooks and eyes 300 mm	10 Nos	660.00
0419	Brass hard drawn hooks and eyes 250 mm	10 Nos	631.00
0420	Brass hard drawn hooks and eyes 200 mm	10 Nos	561.00
0421	Brass hard drawn hooks and eyes 150 mm	10 Nos	440.00
0422	Brass hard drawn hooks and eyes 100 mm	10 Nos	379.00
0423	Brass casement window fastener	each	49.00
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	138.00
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	110.00
0426	Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	104.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0427	Brass quadrant stays 300 mm	each	121.00
0428	Brass fanlight catch	10 Nos	187.00
0429	Brass fanlight pivot	10 Nos	184.00
0430	Brass chain with hook for fan light catch	each	39.00
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	814.00
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	737.00
0433	Brass hasps and staples (safety type) 90 mm	10 Nos	632.00
0438	Brass night latch	each	671.00
0442	Brass helical spring 150 mm	each	319.00
0444	Brass curtain rod 20 mm dia 1.25 mm thick	metre	154.00
0445	Brass curtain rod 25 mm dia 1.25 mm thick	metre	209.00
0446	Brass brackets (curtain rods) 20 mm	each	49.00
0447	Brass cupboard knob or wardrobe knob 50 mm	each	39.00
0449	Brass screws 50 mm	100 Nos	242.00
0450	Brass screws 40 mm	100 Nos	187.00
0451	Brass screws 30 mm	100 Nos	154.00
0452	Brass screws 25 mm	100 Nos	110.00
0453	Brass screws 20 mm	100 Nos	104.00
0454	Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20 mm thick	metre	137.00
0455	Stainless steel SS grade 304, curtain rod 25 mm dia 1.20 mm thick	metre	187.00
0456	Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia 1.20 mm thick	each	50.00
0457	Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia 1.20 mm thick	each	60.00
0458	plastic sleeves for screw	each	2.20
0524	Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms	10 Nos	932.00
0525	Chromium plated Brass butt hinges (light/ordinary) type 125x70x4 mm	10 Nos	720.00
0526	Chromium plated Brass butt hinges (light/ordinary) type 100x70x4 mm	10 Nos	635.00
0527	Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 mm	10 Nos	381.00
0528	Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5 mm	10 Nos	200.00
0552	75 mm SS fancy handles for kitchen cabinet	10 Nos.	285.00
0553	100 mm SS fancy handles for kitchen cabinet	10 Nos	508.00
0554	125 mm SS fancy handles for kitchen cabinet	10 Nos	710.00
0555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	152.00
0556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	135.00
0557	Chromium plated Brass handles 75 mm with plate 125x32 mm	each	114.00
0558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	541.00
0568	Chromium plated brass casement window fastener	each	93.00
0569	Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	135.00
0570	Chromium plated Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	118.00
0571	Chromium plated Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	101.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0583	Chromium plated Brass Night latch	each	509.00
0584	Chromium plated Brass Wardrobe Knob 50 mm	each	93.00
0585	Chromium plated Brass screws 50 mm	100 Nos	275.00
0586	Chromium plated Brass screws 40 mm	100 Nos	254.00
0587	Chromium plated Brass screws 30 mm	100 Nos	228.00
0588	Chromium plated Brass screws 25 mm	100 Nos	177.00
0589	Chromium plated Brass screws 20 mm	100 Nos	152.00
0590	Chromium plated Brass curtain rod 12 mm dia 1.25 mm thick	metre	178.00
0591	Chromium plated Brass curtain rod 20 mm dia 1.25 mm thick	metre	254.00
0592	Chromium plated Brass curtain rod 25 mm dia 1.25 mm thick	metre	347.00
0593	C.P. Brass Extension Nipple (1/2"x2" size)	each	46.00
0594	Bright finished or black enameled ISI marked IS:1341 mild steel pressed butt hinges 125x65x 2.12 mm	10 Nos	122.00
0595	Bright finished or black enameled ISI marked IS:1341 mild steel pressed butt hinges 100x58x 1.90 mm	10 Nos	80.00
0596	Bright finished or black enameled ISI marked IS:1341 mild steel pressed butt hinges 75x47x 1.70 mm	10 Nos	63.00
0597	Bright finished or black enameled ISI marked IS:1341 mild steel pressed butt hinges 50x37x 1.50 mm	10 Nos	49.00
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	42.00
0635	Bright finished or black enameled mild steel screws 50 mm	100 Nos	80.00
0637	Bright finished or black enameled mild steel screws 40 mm	100 Nos	62.00
0638	Bright finished or black enameled mild steel screws 30 mm	100 Nos	48.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	42.00
0640	Bright finished or black enameled mild steel screws 20 mm	100 Nos	40.00
0641	Bright finished or black enameled mild steel bolts and nuts 50x6 mm	each	6.00
0642	Oxidised mild steel butt hinges 125x65x2.12 mm	10 Nos	135.00
0643	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	96.00
0644	Oxidised mild steel butt hinges 75x47x1.70 mm	10 Nos	70.00
0645	Oxidised mild steel butt hinges 50x37x1.50 mm	10 Nos	60.00
0646	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	365.00
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	325.00
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	250.00
0649	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	215.00
0650	Oxidised mild steel single acting spring hinges 150 mm	each	150.00
0651	Oxidised mild steel single acting spring hinges 125 mm	each	130.00
0652	Oxidised mild steel single acting spring hinges 100 mm	each	110.00
0653	Oxidised mild steel double acting spring hinges 150 mm	each	175.00
0654	Oxidised mild steel double acting spring hinges 125 mm	each	150.00
0655	Oxidised mild steel double acting spring hinges 100 mm	each	130.00
0656	Nickel plated mild steel piano hinges 1 mm thick 35 mm wide	metre	42.00
0660	Oxidised mild steel sliding door bolt 300x16 mm	each	100.00
0661	Oxidised mild steel sliding door bolt 250x16 mm	each	85.00
0662	Oxidised mild steel door latch 300x20x6 mm	each	55.00
0663	Oxidised mild steel door latch 250x20x6 mm	each	42.00
0664	Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	45.00
0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	36.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	30.00
0667	Oxidised mild steel tower bolt (barrel type) 100x10 mm	each	21.00
0668	Oxidised mild steel handles 125 mm	each	21.00
0669	Oxidised mild steel handles 100 mm	each	16.00
0670	Oxidised mild steel handles 75 mm	each	14.00
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	132.00
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	112.00
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	81.00
0682	Oxidised mild steel screws 50 mm	100 Nos	85.00
0683	Oxidised mild steel screws 40 mm	100 Nos	70.00
0684	Oxidised mild steel screws 30 mm	100 Nos	50.00
0685	Oxidised mild steel screws 25 mm	100 Nos	39.00
0686	Oxidised mild steel screws 20 mm	100 Nos	33.00
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	580.00
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	415.00
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	410.00
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	280.00
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	335.00
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	285.00
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	240.00
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	205.00
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	160.00
0697	Anodised Aluminium sliding door bolt 250x16 mm	each	130.00
0698	Anodised Aluminium tower bolt (barrel type) 300x10 mm	10 Nos	610.00
0699	Anodised Aluminium tower bolt (barrel type) 250x10 mm	10 Nos	505.00
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	400.00
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	320.00
0702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	10 Nos	240.00
0703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	335.00
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	290.00
0705	Anodised Aluminium handles 75 mm with plate 125 x 32 mm	10 Nos	245.00
0706	Anodised Aluminium kicking plate 50 cm long 100x3.15 mm	each	150.00
0713	Block board construction flush door with teak wood ply on both faces 35 mm thick	sqm	1860.00
0714	Block board construction flush door with teak wood ply on both faces 30 mm thick	sqm	1645.00
0715	Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	1445.00
0717	Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	1100.00
0718	Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	945.00
0719	Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	935.00
0752	Block board construction flush door lipping 25 mm thick	sqm of door area	325.00
0753	Square vision panel in Block board construction flush door not exceeding 0.10 sqm	sqm of door area	140.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0754	Circular vision panel in Block board construction flush door	sqm of door area	145.00
0755	Decorative type louvers in Block board construction flush door	sqm of door area	285.00
0757	Rebate cutting in block board construction flush door	sqm of door area	75.00
0759	Decorative plywood 4 mm	sqm	345.00
0761	Fuel wood	quintal	550.00
0763	Glue	kg	80.00
0764	Calcium silicate base compound for jointing calcium silicate tiles	kg	28.00
0765	Hessian cloth	sqm	38.00
0768	Cement Concrete Jali 50 mm thick	sqm	435.00
0769	Cement Concrete Jali 40 mm thick	sqm	380.00
0770	Cement Concrete Jali 25 mm thick	sqm	295.00
0771	Kerosene oil	litre	50.00
0772	White cement based polymer modified self curing compound in powder form	kg	18.00
0773	Unslaked lime	quintal	325.00
0775	Dehradun white lime	quintal	650.00
0776	Satna lime	quintal	400.00
0777	Dry hydrated lime (factory made)	quintal	315.00
0784	Marble dust/ powder	cum	1180.00
0785	Marble chips up to 4 mm and down size White & black	quintal	200.00
0788	Marble chips large size above 4 mm White & black	quintal	280.00
0801	Silicon and acrylic emulsion	litre	140.00
0802	Acrylic distemper 1st quality , having VOC content less than 50 grams/ litre	Kg	45.00
0803	Acrylic emulsion, having VOC content less than 50 grams/ litre	litre	105.00
0804	Premium plastic acrylic emulsion of interior grade, having VOC content less than 50 grams/ litre	litre	210.00
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	litre	100.00
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 grams/ litre	litre	40.00
0810	Moorum	cum	540.00
0811	Mud (dry)	cum	190.00
0818	Linseed oil (double boiled)	litre	215.00
0824	White cement based putty	kg	18.00
0826	Aluminium paint	litre	170.00
0827	Acid proof paint (chocolate or black)	litre	225.00
0828	Anticorrosive bituminous paint (black)	litre	120.00
0829	Black Japan paint	litre	110.00
0833	Synthetic enamel paint in black or chocolate shade	litre	180.00
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	178.00
0836	100% Premium acrylic dirt resistance, Silicone additives exterior paint	litre	300.00
0837	Acrylic Exterior Primer	litre	80.00
0845	Roofing paint for iron sheets in red colour	litre	135.00
0850	White lead	kg	190.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
0851	Water proofing cement paint	kg	41.00
0855	Wax polish (ready made)	kg	242.00
0856	Ordinary varnish	litre	110.00
0857	Superior copal varnish	litre	115.00
0858	Superior spar varnish	litre	115.00
0859	Oil type wood preservative	litre	130.00
0863	Putty for wood work	kg	32.00
0865	Pig lead	kg	180.00
0868	Premixed super white gypsum plaster	kg	8.00
0869	Plaster of Paris	kg	7.00
0870	Plug	each	10.00
0873	Copper pins 6 mm dia 7.5 cm long	each	12.00
0874	Black colour dark shade pigment	kg	75.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	65.00
0876	Green or blue medium shade pigment	kg	60.00
0886	Standard holder bat clamps for sand cast iron or cast iron pipes 150 mm dia	each	50.00
0966	Sand Cast iron plain shoe 150 mm dia	each	320.00
0967	Copper plate	kg	550.00
0969	Pulley 25 mm dia	each	48.00
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	1600.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	920.00
0975	27.5 cm long wire spring grade No. 2 for rolling shutters	each	330.00
0976	Ball bearing for rolling shutters	each	285.00
0977	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 10.00 sqm and up to 16.80 sqm area of door	sqm	870.00
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 16.80 sqm area of door	sqm	800.00
0979	Royalty for good earth	cum	60.00
0980	Royalty for sludge	cum	100.00
0982	Coarse sand (zone III)	cum	1450.00
0983	Fine sand (zone IV)	cum	980.00
0992	Galvanised steel plain sheets	quintal	6800.00
0993	FY-1860 grade wire strands	quintal	7500.00
0994	Standard quality hard board sheet 3 mm thick	sqm	145.00
0996	Standard quality hard board sheet 4.5 mm thick	sqm	225.00
0999	Shellac	kg	300.00
1000	Spirit	litre	60.00
1001	Spun yarn	kg	60.00
1002	Mild steel round bar 12 mm dia and below	quintal	5550.00
1003	Mild steel round bar above 12 mm dia	quintal	5450.00
1004	Average rate of Mild steel round bars for reinforcement	quintal	5500.00
1005	Twisted steel/ deformed TMT bars Fe-500D	quintal	5550.00
1006	Mild steel square bars	quintal	5500.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	5965.00
1008	Flats up to 10 mm in thickness	quintal	5450.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1009	Flats exceeding 10 mm in thickness	quintal	5500.00
1010	Mild steel plates	quintal	5700.00
1011	Steel glazed door, window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc.	kg	59.00
1012	Pregalvanized high tensile steel conforming to IS:277-199	kg	110.00
1013	Mild steel sheets of 1.00 mm thickness for tanks	quintal	5500.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	280.00
1019	Mild steel hooks	each	32.00
1020	Mild steel rivets	quintal	5100.00
1021	Hard drawn steel wire fabric 75 x 25 mm mesh of weight not less than 7.75 kg/sqm	sqm	430.00
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	38.00
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	130.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	9.00
1025	Mild steel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	10.00
1027	Erection Bolts (Minimum 04 nos for each element)	each	25.00
1028	Straining bolts	each	80.00
1029	Galvanised steel barbed wire of 9.8 kg /100metre	quintal	5500.00
1030	Galvanised steel turn buckles	each	25.00
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	20.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	6.00
1034	Bolts and nuts up to 300 mm in length	quintal	5200.00
1035	Bolts and nuts above 300 mm in length	quintal	5300.00
1036	Iron pintels including welded pin	each	37.00
1143	Steel beading 10x10x1.6 mm (box type)	metre	27.00
1145	Aluminium Plain Strip edging 38x12x3 mm	metre	90.00
1149	Glass strip 4 mm thick 40 mm deep	metre	20.00
1151	Boundary stone top chisel dressed 15x15x90 cm	each	80.00
1154	Through and bond stone	100 Nos	5000.00
1157	Stone for masonry work	cum	1250.00
1158	Stone for pitching 15 cm x 22.5 cm	cum	700.00
1159	Stone dust	cum	1100.00
1160	Red sand stone block	10 cudm	130.00
1161	White sand stone block	10 cudm	205.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	900.00
1164	Red sand stone slab 40 mm thick (un-dressed)	sqm	330.00
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	370.00
1166	Red sand stone slab 30 mm thick (un-dressed)	sqm	300.00
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	sqm	320.00
1169	Kota stone slab 25 mm thick (rough chiseled)	sqm	280.00
1174	Red sand stone slab 45 mm to 50 mm thick (un-dressed)	sqm	340.00
1175	White sand stone slab 45 mm to 50 mm thick (un-dressed)	sqm	320.00
1177	Stone grit 6 mm and down size or pea sized gravel	cum	985.00
1179	Crushed stone 2.36 mm to 12.5 mm size	cum	1005.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1182	Surkhi	cum	778.00
1186	Superior class teak wood such as Dandeli, Balarshah or Malabar in planks	10 cudm	1100.00
1187	First class teak wood in scantling	10 cudm	880.00
1188	First class teak wood in planks	10 cudm	850.00
1189	Second class teak wood in scantling	10 cudm	776.00
1190	Second class teak wood in planks	10 cudm	791.00
1191	Marandi wood in planks	10 cudm	480.00
1192	Marandi wood in scantling	10 cudm	431.00
1194	Second class deodar wood in planks	10 cudm	500.00
1196	First class kail wood in planks	10 cudm	300.00
1197	Second class kail wood in scantling	10 cudm	260.00
1198	Second class kail wood in planks	10 cudm	260.00
1199	Sal wood in scantling	10 cudm	600.00
1200	Kiln seasoned selected sheesham wood planks	10 cudm	650.00
1201	Precast terrazzo tiles 22 mm thick (light shade)	sqm	330.00
1202	Precast terrazzo tiles 22 mm thick (medium shade)	sqm	315.00
1203	Precast terrazzo tiles 22 mm thick (dark shade)	sqm	285.00
1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	465.00
1207	G.I. Limpet washer	100 Nos	21.00
1208	Bitumen washer	100 Nos	30.00
1209	G.I. plain washer thick	100 Nos	35.00
1210	G.I. plain washer thin	100 Nos	21.00
1211	G.I. plain washer for seam bolts	100 Nos	32.00
1213	Water proofing materials	kilogram	45.00
1214	Welding by gas plant	cm	2.00
1215	Welding by electric plant	cm	2.50
1216	Whiting	quintal	600.00
1217	GI Wire mesh 100x100 mm	kg	75.00
1218	M.S. Shear stud	each	50.00
1219	M.S. Wire nails	kilogram	58.00
1220	M.S. Wire mesh (rabbit)	sqm	42.00
1221	M.S. 20 mm dia holding down bolts	quintal	6100.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	120.00
1223	Steel weld mesh	sqm	150.00
1224	Hard drawn steel wire	quintal	4800.00
1225	Mild steel flat strap fitting	quintal	4120.00
1227	Chequered terrazzo tiles 22 mm thick (light shade)	sqm	320.00
1228	Chequered terrazzo tiles 22 mm thick (medium shade)	sqm	300.00
1229	Chequered terrazzo tiles 22 mm thick (dark shade)	sqm	280.00
1231	Extra for selected planks of second class teakwood	10 cudm	150.00
1234	Aluminium Plain Strip edging 57x12x3 mm	metre	135.00
1235	Diesel	litre	89.62
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	10.00
1238	Extra for selected planks of first class teakwood	10 cudm	150.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1239	18 mm thick Flamed finish granite stone slab	sqm	1200.00
1240	18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	3200.00
1241	Commercial LPG in cylinder	kg	106.00
1242	Glass mossaic tiles (20 mm x 20 mm x 4 mm)	sqm	2270.00
1243	Tile fixing chemical adhesive	kg	12.00
1244	Cement Polymer Grout Compound	kg	16.00
1245	Acid for cleaning tiles	litre	20.00
1246	Silicon based Joint Sealant for Tiles	kg	160.00
1247	Rubber base Adhesive	kg	223.00
1248	Epoxy based sealing Compound	kg	535.00
1249	Acrylic based sealing compound	kg	500.00
1250	Non woven reinforcement Tape	metre	0.14
1251	M-60 grade cementitious grout (Non Shrink)	kg	28.00
1252	Cementitious polymer base adhesive conforming to EOTA ETAG 004 (European Technical Approval)	kg	40.00
1253	Polypropylene mechanical fastener with plastic pin conforming to EOTA ETAG 014 (European Technical Approval) having dia 10 mm & L=200 mm	each	30.00
1254	Moisture cure Polyurethane Foam	750 ml	550.00
1255	PVC Corner Bead of size 25 mmx25 mm fixed with glass fibre mesh (100 mm x 100 mm)	metre	88.00
1256	Cementitious polymer base coat conforming to EOTA ETAG 004 (European Technical Approval)	kg	35.00
1257	Fiberglass mesh with alkali-resistant coating having mass per unit area ≥145 g/m2, mesh size: 3.9x4.0 mm ±10%	sqm	70.00
1301	Bleaching powder	quintal	1700.00
1304	Surface box for stop cock	each	120.00
1305	Surface box for sluice valve	each	200.00
1307	Surface box for water meter	each	200.00
1309	C.I. bracket for wash basin and sinks	pair	95.00
1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. tringular plate for Eureopean type W.C.	each	220.00
1314	C.P.brass chain with 32 mm dia rubber plug	each	38.00
1315	C.P.brass chain with 40 mm dia rubber plug	each	37.00
1316	50 mm x 50 mm hard wood plug	each	48.00
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	67.50
1331	M.S. Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	27.00
1332	M.S. Holder bat clamp of approved design for 75 mm S.C.I. pipe	each	25.00
1334	Clamps and M.S. stays including bolts and nuts for 50 mm pipe	each	36.00
1335	Clamps and M.S. stays including bolts and nuts for 75 mm pipe	each	39.00
1336	Clearing eye with chain and lid 100 mm dia	each	50.00
1337	Clearing eye with chain and lid 150 mm dia	each	60.00
1339	Brass bib-cock 15 mm dia	each	230.00
1340	Brass bib-cock 20 mm dia	each	245.00
1342	Brass stop-cock 15 mm dia	each	230.00
1343	Brass stop-cock 20 mm dia	each	245.00
1350	Mosquito proof coupling of approved design	each	35.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1352	C.I. cover and frame 300x300 mm inside	each	525.00
1353	C.I. cover without frame 300x300 mm inside weight not less than 4.50 kg	each	525.00
1354	C.I. Rectangular cover 455x610 mm with frame (low duty)	each	1540.00
1355	C.I. Rectangular cover 455x610 mm without frame (low duty)	each	850.00
1356	C.I. 500 mm dia cover with frame (medium duty)	each	4400.00
1357	C.I. 500 mm dia cover without frame (medium duty)	each	2300.00
1360	C.I. mouth, brass ferrule 15 mm dia	each	140.00
1361	C.I. mouth, brass ferrule 20 mm dia	each	160.00
1362	C.I. mouth, brass ferrule 25 mm dia	each	220.00
1363	Vitreous china foot rests 250x130x30 mm	pair	100.00
1364	C.I. grating 100x100 mm	each	40.00
1366	C.I. grating 150x150 mm	each	55.00
1367	C.I. grating 180x180 mm	each	65.00
1369	S.C.I. gully or nahani grating 100 mm dia	each	28.00
1373	Rubber insertions for 75 mm dia pipe joints	each	18.00
1374	Rubber insertions for 100 mm dia pipe joints	each	20.00
1375	Rubber insertions for 125 mm dia pipe joints	each	18.00
1376	Rubber insertions for 150 mm dia pipe joints	each	19.00
1377	Rubber insertions for 200 mm dia pipe joints	each	24.00
1378	Rubber insertions for 250 mm dia pipe joints	each	38.00
1379	Rubber insertions for 300 mm dia pipe joints	each	40.00
1380	Rubber insertions for 350 mm dia pipe joints	each	51.00
1381	Rubber insertions for 400 mm dia pipe joints	each	72.00
1382	Rubber insertions for 450 mm dia pipe joints	each	88.00
1383	Rubber insertions for 500 mm dia pipe joints	each	105.00
1384	Rubber insertions for 600 mm dia pipe joints	each	120.00
1392	Mirror of superior make glass 60x45 cm	each	450.00
1396	Vitreous china pedestal for wash basin	each	1000.00
1397	Pig lead	kg	210.00
1464	S & S.C.I. standard specials upto 300 mm dia (heavy class)	quintal	4000.00
1466	S & S.C.I. standard specials over 300 mm dia (heavy class)	quintal	4000.00
1468	Flanged C.I. standard specials upto 300 mm dia (heavy class)	quintal	5800.00
1470	Flanged C.I. standard specials over 300 mm dia (heavy class)	quintal	5500.00
1472	Casing pipe 100 mm dia	metre	350.00
1532	Flush pipe with union spreaders and clamps all in C.P. brass for single stall	each	325.00
1533	Flush pipe with union spreaders and clamps all in C.P. brass for double stall	each	450.00
1534	Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall	each	550.00
1535	Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall	each	630.00
1540	Flush pipe and spreaders G.I. for single set of one squatting plate urinal	each	200.00
1541	Flush pipe and spreaders G.I. for range of two squatting plates urinal	each	300.00
1542	Flush pipe and spreaders G.I. for range of three squatting plates urinal	each	330.00
1543	Flush pipe and spreaders G.I. for range of four squatting plates urinal	each	470.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1545	G.I. pipes 15 mm dia	metre	107.00
1546	G.I. pipes 20 mm dia	metre	139.00
1547	G.I. pipes 25 mm dia	metre	197.00
1548	G.I. pipes 32 mm dia	metre	247.00
1549	G.I. pipes 40 mm dia	metre	290.00
1550	G.I. pipes 50 mm dia	metre	390.00
1551	G.I. pipes 65 mm dia	metre	450.00
1552	G.I. pipes 80 mm dia	metre	550.00
1555	G.I. back (jam) nuts 25 mm dia	each	20.00
1559	G.I. back (jam) nuts 65 mm dia	each	28.00
1608	G.I. tees (equal) 25 mm	each	70.00
1612	G.I. tees (equal) 65 mm	each	480.00
1614	G.I. inlet connection	each	70.00
1616	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 75 mm dia	each	1100.00
1617	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long:100 mm dia	each	1200.00
1618	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long:150 mm dia	each	1800.00
1620	S.C.I. plain bend 75 mm dia	each	240.00
1621	S.C.I. plain bend 100 mm dia	each	300.00
1622	S.C.I. plain bend 150 mm dia	each	500.00
1624	S.C.I. bend with access door 75 mm dia	each	310.00
1625	S.C.I. bend with access door 100 mm dia	each	370.00
1627	S.C.I. plain single equal junctions 75x75x75 mm dia	each	330.00
1628	S.C.I. plain single equal junctions 100x100x100 mm dia	each	410.00
1630	S.C.I. single equal junctions 75x75x75 mm dia with access door	each	400.00
1631	S.C.I. single equal junctions 100x100x100 mm dia with access door	each	460.00
1633	S.C.I. plain double equal junctions 75x75x75x75 mm dia	each	415.00
1634	S.C.I. plain double equal junctions 100x100x100x100 mm dia	each	630.00
1636	S.C.I. double equal junctions 75x75x75x75 mm dia with access door	each	550.00
1637	S.C.I. double equal junctions 100x100x100x100 mm dia with access door	each	750.00
1639	Slotted cowl (terminal guard) 75 mm dia	each	215.00
1640	Slotted cowl (terminal guard) 100 mm dia	each	280.00
1641	G.I. Union 15 mm nominal bore	each	40.00
1642	G.I. Union 20 mm nominal bore	each	60.00
1643	G.I. Union 25 mm nominal bore	each	125.00
1644	G.I. Union 32 mm nominal bore	each	160.00
1645	G.I. Union 40 mm nominal bore	each	260.00
1646	G.I. Union 50 mm nominal bore	each	330.00
1647	G.I. Union 65 mm nominal bore	each	550.00
1648	G.I. Union 80 mm nominal bore	each	600.00
1649	Polyethylene water storage tank with cover and suitable locking arrangement	per litre	6.50
1653	Sand cast iron S&S plain single unequal junctions: 100x100x75 mm dia	each	540.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1656	Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door	each	590.00
1659	Sand cast iron S&S plain double unequal junctions: 100x100x75x75 mm dia	each	640.00
1662	Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door	each	760.00
1666	Sand cast iron heel rest bend 75 mm dia	each	320.00
1667	Sand cast iron heel rest bend 100 mm dia	each	380.00
1669	S.C.I. single equal invert branch of required degree 75x75x75 mm dia	each	380.00
1670	S.C.I. single equal invert branch of required degree 100x100x100 mm dia	each	460.00
1672	S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia	each	440.00
1673	S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia	each	590.00
1674	S.C.I. single unequal invert branch of required degree 100x100x75 mm dia	each	535.00
1677	S.C.I. double unequal invert branch of required degree 100x100x75x75 mm dia	each	680.00
1682	S.C.I. door pieces 75 mm dia	each	310.00
1683	S.C.I. door pieces 100 mm dia	each	500.00
1685	S.C.I. collar 75 mm dia	each	190.00
1686	S.C.I. collar 100 mm dia	each	295.00
1687	Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore	each	32.00
1688	Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore	each	38.00
1689	Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore	each	38.00
1690	Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore	each	53.00
1693	S.C.I. hand pump	each	725.00
1700	R.C.C. pipes NP2 class 100 mm dia	metre	220.00
1701	R.C.C. pipes NP2 class 150 mm dia	metre	230.00
1702	R.C.C. pipes NP2 class 250 mm dia	metre	375.00
1703	R.C.C. pipes NP2 class 300 mm dia	metre	465.00
1704	R.C.C. pipes NP2 class 450 mm dia	metre	810.00
1705	R.C.C. pipes NP2 class 500 mm dia	metre	995.00
1706	R.C.C. pipes NP2 class 600 mm dia	metre	1175.00
1707	R.C.C. pipes NP2 class 700 mm dia	metre	1605.00
1709	R.C.C. pipes NP2 class 800 mm dia	metre	1950.00
1710	R.C.C. pipes NP2 class 900 mm dia	metre	2728.00
1711	R.C.C. pipes NP2 class 1000 mm dia	metre	3158.00
1712	R.C.C. pipes NP2 class 1100 mm dia	metre	3478.00
1713	R.C.C. pipes NP2 class 1200 mm dia	metre	3825.00
1714	R.C.C. collars NP2 class 100 mm dia	each	38.00
1715	R.C.C. collars NP2 class 150 mm dia	each	40.00
1716	R.C.C. collars NP2 class 250 mm dia	each	60.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1717	R.C.C. collars NP2 class 300 mm dia	each	60.00
1718	R.C.C. collars NP2 class 450 mm dia	each	120.00
1719	R.C.C. collars NP2 class 500 mm dia	each	130.00
1720	R.C.C. collars NP2 class 600 mm dia	each	155.00
1721	R.C.C. collars NP2 class 700 mm dia	each	175.00
1723	R.C.C. collars NP2 class 800 mm dia	each	235.00
1724	R.C.C. collars NP2 class 900 mm dia	each	260.00
1725	R.C.C. collars NP2 class 1000 mm dia	each	310.00
1726	R.C.C. collars NP2 class 1100 mm dia	each	325.00
1727	R.C.C. collars NP2 class 1200 mm dia	each	395.00
1728	RCC pipe 450 mm dia NP-3 spigot	metre	1605.00
1729	RCC pipe 600 mm dia NP-3 spigot	metre	2140.00
1730	RCC pipe 900 mm dia NP-3 spigot	metre	3395.00
1731	RCC pipe 1000 mm dia NP-3 spigot	metre	4185.00
1732	RCC pipe 1200 mm dia NP-3 spigot	metre	5564.00
1733	RCC pipe 1800 mm dia NP-3 spigot	metre	10110.00
1734	RCC pipe 450 mm dia NP-4 spigot	metre	1870.00
1735	RCC pipe 600 mm dia NP-4 spigot	metre	2515.00
1736	RCC pipe 900 mm dia NP-4 spigot	metre	4815.00
1737	RCC pipe 1000 mm dia NP-4 spigot	metre	5960.00
1738	RCC pipe 1200 mm dia NP-4 spigot	metre	6965.00
1739	RCC pipe 1800 mm dia NP-4 spigot	metre	14605.00
1854	Stoneware pipes grade A (60 cm long) 100 mm dia	each	77.00
1855	Stoneware pipes grade A (60 cm long) 150 mm dia	each	138.00
1856	Stoneware pipes grade A (60 cm long) 200 mm dia	each	220.00
1857	Stoneware pipes grade A (60 cm long) 230 mm dia	each	330.00
1858	Stoneware pipes grade A (60 cm long) 250 mm dia	each	385.00
1859	Stoneware pipes grade A (60 cm long) 300 mm dia	each	578.00
1863	Fire clay kitchen sink: 600x450x250 mm	each	1430.00
1871	White vitreous china laboratory sink 450x300x150 mm	each	1650.00
1872	White vitreous china laboratory sink 600x450x200 mm	each	2750.00
1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	451.00
1876	Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	358.00
1878	Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia	each	121.00
1879	Shower rose C.P. brass for 15 to 20 mm inlet 150 mm dia	each	138.00
1880	Dismenteled P or S trap scrap (approx wt 2kg)	kg	28.00
1881	Spun yarn	kg	61.00
1882	Strainer brass 40 mm dia 1.5 metre long	each	688.00
1885	15 mm C.P. brass tap	each	297.00
1889	C.P. brass toilet paper holder of standard size	each	308.00
1890	Centrifugally SCI(spun) S & S P or S trap	each	358.00
1891	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	each	209.00
1893	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 80 mm dia	each	248.00
1895	C.P. brass trap 40 mm dia	each	347.00
1896	100 mm S.C.I. trap with vent heel	each	358.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	330.00
1898	100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet	each	242.00
1900	S.W. gully trap P type 100x100 mm	each	127.00
1902	S.W. gully trap P type 150x100 mm	each	171.00
1904	S.W. gully trap P type 180x150 mm	each	253.00
1913	Vitreous china lipped front urinal	each	517.00
1915	Vitreous china squatting plate urinal	each	1158.00
1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	237.00
1923	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	264.00
1924	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	253.00
1926	20 mm dia Gunmetal gate valve with wheel	each	358.00
1927	Brass full way valve with C.I. wheel (screwed end) 25 mm dia	each	413.00
1928	Brass full way valve with C.I. wheel (screwed end) 32 mm dia	each	457.00
1929	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	each	550.00
1930	Brass full way valve with C.I. wheel (screwed end) 50 mm dia	each	688.00
1931	Brass full way valve with C.I. wheel (screwed end) 65 mm dia	each	1188.00
1932	Brass full way valve with C.I. wheel (screwed end) 80 mm dia	each	1788.00
1933	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	each	385.00
1934	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	each	523.00
1935	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	each	633.00
1936	Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	each	924.00
1937	Gunmetal non-return valve-horizontal (screwed end) 65 mm dia	each	1678.00
1938	Gunmetal non-return valve-horizontal (screwed end) 80 mm dia	each	2530.00
1940	C.I. sluice valve (with caps) class I: 100 mm dia	each	2695.00
1941	C.I. sluice valve (with caps) class I : 125 mm dia	each	2871.00
1942	C.I. sluice valve (with caps) class I: 150 mm dia	each	4015.00
1943	C.I. sluice valve (with caps) class I : 200 mm dia	each	8360.00
1944	C.I. sluice valve (with caps) class I : 250 mm dia	each	12078.00
1945	C.I. sluice valve (with caps) class I: 300 mm dia	each	17050.00
1947	Vitreous china flat back wash basin 630x450 mm	each	798.00
1949	Vitreous china angle back wash basin 600x480 mm	each	798.00
1950	Vitreous china angle back wash basin 400x400 mm	each	468.00
1951	C.P. brass waste 32 mm	each	94.00
1952	C.P. brass waste 40 mm	each	110.00
1953	Vitreous china Indian type W.C. pan of size 580 mm	each	500.00
1954	Vitreous china orrisa type W.C. pan of size 580 mm	each	1350.00
1955	Vitreous china pedestal type water closet	each	1080.00
1956	Bolts and nuts 16 mm dia 60 mm long	each	12.00
1957	Bolts and nuts 16 mm dia 65 mm long	each	14.00
1958	Bolts and nuts 20 mm dia 65 mm long	each	15.00
1959	Bolts and nuts 20 mm dia 70 mm long	each	18.00
1960	Bolts and nuts 20 mm dia 75 mm long	each	18.00
1961	Bolts and nuts 20 mm dia 80 mm long	each	18.00
1962	Bolts and nuts 24 mm dia 85 mm long	each	30.00
1963	Bolts and nuts 24 mm dia 90 mm long	each	33.00
1964	Bolts and nuts 27 mm dia 100 mm long	each	40.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
1965	White vitreous china dual purpose closet (Anglo Indian W.C.) suitable for use as squatting pan or European type water closet as per manufacturer's specifications	each	2650.00
1966	Floor mounted white vitrous china double trap syphonic WC with 10 litre cistern and all fittings & fixtures,seat cover etc	each	10250.00
1970	Vitreous china foot rests 250x125x25 mm	pair	108.00
1980	Fly ash	cum	12.00
1984	Common burnt clay F.P.S. bricks tile class designation 10	1000 Nos	4750.00
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	5450.00
2200	Carriage of Steam coal	tonne	0.00
2201	Carriage of Bricks	1000 Nos	0.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.00
2203	Carriage of Coarse sand	cum	0.00
2204	Carriage of Timber	cum	0.00
2205	Carriage of Steel	tonne	0.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.00
2207	Carriage of Brick tiles	1000 Nos	0.00
2208	Carriage of Lime	cum	0.00
2209	Carriage of Cement	tonne	0.00
2211	Carriage of Tar / Bitumen	tonne	0.00
2215	Carriage of Soling stone & masonry stone	cum	0.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.00
2224	Carriage of S.W. pipes 100 mm dia	100 metre	0.00
2225	Carriage of S.W. pipes 150 mm dia	100 metre	0.00
2226	Carriage of S.W. pipes 200 mm dia	100 metre	0.00
2228	Carriage of S.W. pipes 250 mm dia	100 metre	0.00
2229	Carriage of S.W. pipes 300 mm dia	100 metre	0.00
2241	Carriage of Good earth	cum	231.93
2242	Carriage of Dump manure by mechanical transport upto 5 km lead	cum	201.68
2260	Carriage of Brick aggregate	cum	0.00
2261	Carriage of Fine sand (1 part of badarpur sand: 2 parts jamuna sand)	cum	0.00
2262	Carriage of Flyash	cum	185.55
2264	Carriage of Rubbish	cum	185.55
2265	Carriage of Moorum	cum	0.00
2266	Carriage of Surkhi	cum	0.00
2267	Carriage of Stone dust	cum	0.00
2268	Carriage of Marble dust and/or marble chips	cum	0.00
2271	Carriage of G.I. pipes below 100 mm dia	tonne	0.00
2272	Carriage of Stainless Steel pipes below 100 mm dia	tonne	0.00
2273	Carriage of A.C.sheet and accessories	tonne	0.00
2275	Carriage of R.C.C. pipes 100 mm dia	100 metre	0.00
2281	Carriage of R.C.C. pipes 150 mm dia	100 metre	0.00
2287	Carriage of R.C.C. pipes 250 mm dia	100 metre	0.00
2290	Carriage of R.C.C. pipes 300 mm dia	100 metre	0.00
2299	Carriage of R.C.C. pipes 450 & 500 mm dia	100 metre	0.00
2302	Carriage of G.I. sheet and accessories	tonne	0.00
2303	Carriage of R.C.C. pipes 600,700,750 & 800 mm dia	100 metre	0.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
2308	Carriage of Plaster of paris	tonne	0.00
2309	Carriage of Cast Iron fittings	tonne	0.00
2311	Carriage of Red bajri	cum	0.00
2314	Carriage of Barbed wire	tonne	0.00
2317	Carriage of Sludge	cum	201.68
2319	Carriage of Spun iron S & S pipes 100 mm dia	100 metre	0.00
2320	Carriage of Spun iron S & S pipes 125 mm dia	100 metre	0.00
2321	Carriage of Spun iron S & S pipes 150 mm dia	100 metre	0.00
2322	Carriage of Spun iron S & S pipes 200 mm dia	100 metre	0.00
2323	Carriage of Spun iron S & S pipes 250 mm dia	100 metre	0.00
2324	Carriage of Spun iron S & S pipes 300 mm dia	100 metre	0.00
2325	Carriage of Spun iron S & S pipes 350 mm dia	100 metre	0.00
2326	Carriage of Spun iron S & S pipes 400 mm dia	100 metre	0.00
2327	Carriage of Spun iron S & S pipes 450 mm dia	100 metre	0.00
2328	Carriage of Spun iron S & S pipes 500 mm dia	100 metre	0.00
2329	Carriage of Spun iron S & S pipes 600 mm dia	100 metre	0.00
2330	Carriage of C.I. pipes 500 mm dia	100 metre	0.00
2331	Carriage of R.C.C. pipes 900 mm dia	100 metre	0.00
2332	Carriage of R.C.C. pipes 1000 mm dia	100 metre	0.00
2333	Carriage of R.C.C. pipes 1100 mm dia	100 metre	0.00
2334	Carriage of R.C.C. pipes 1200 mm dia	100 metre	0.00
2335	Carriage of sand	cum	0.00
2336	Carriage of R.C.C. pipe above 1200 mm dia and upto 1800 mm dia	100 metre	0.00
2341	Carriage of Pig lead	tonne	0.00
2342	Carriage of Solvent / Diesel.	quintal	0.00
2343	Carriage of Cast Iron pipes 100 mm dia	100 metre	0.00
2344	Carriage of Cast iron pipes 150 mm dia	100 metre	0.00
2345	Carriage of Cast iron pipes 200 mm dia	100 metre	0.00
2346	Carriage of Cast iron pipes 250 mm dia	100 metre	0.00
2347	Carriage of Cast iron pipes 300 mm dia	100 metre	0.00
2348	Carriage of Cast iron pipes 350 mm dia	100 metre	0.00
2349	Carriage of Cast iron pipes 400 mm dia	100 metre	0.00
2350	Carriage of Cast iron pipes 450 mm dia	100 metre	0.00
2351	Carriage of Cast iron pipes 500 mm dia	100 metre	0.00
2352	Carriage of Cast iron pipes 600 mm dia	100 metre	0.00
2353	Carriage of Cast iron pipes 700 mm dia	100 metre	0.00
2354	Carriage of Cast iron pipes 750 mm dia	100 metre	0.00
2355	Carriage of Cast iron pipes 800 mm dia	100 metre	0.00
2356	Carriage of Cast iron pipes 900 mm dia	100 metre	0.00
2357	Carriage of Cast iron pipes 1000 mm dia	100 metre	0.00
2358	Carriage of Bamboo Mat corrugated sheets and accessories	tonne	17700.00
2391	Strips-Aluminium fluted 3.15 mm thick and 150 mm wide	metre	286.00
2392	Strips Aluminium fluted 3.15 mm thick and 200 mm wide	metre	381.00
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	306.00
2394	Coupler 16 mm dia	each	32.00
2395	Coupler 20 mm dia	each	42.00
2396	Coupler 25 mm dia	each	74.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
2397	Coupler 28 mm dia	each	85.00
2398	Coupler 32 mm dia	each	115.00
2399	Complete Roof Joint of 100 mm	metre	2999.00
2400	Complete Roof Joint of 150 mm	metre	3461.00
2401	Complete Roof Joint of 200 mm	metre	4284.00
2402	Epoxy adhesive	kg	160.00
2403	Floor Joint of 100 mm	metre	3285.00
2404	Floor Joint of 150 mm	metre	4243.00
2405	Floor Joint of 200 mm	metre	5673.00
2406	Float glass panes of nominal thickness 4 mm (weight not less than 10 kg/sqm)	sqm	321.00
2407	Float glass panes of nominal thickness 5 mm (weight not less than 12.50 kg/sqm)	sqm	529.00
2408	Float glass panes of nominal thickness 8 mm (weight not less than 20.00 kg/sqm)	sqm	641.00
2409	Wall Joint of 100 mm	metre	2521.00
2410	Wall Joint of 150 mm	metre	2956.00
2411	Wall Joint of 200 mm	metre	3554.00
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	321.00
2413	12 mm commercial ply	sqm	527.00
2414	18 mm thick block board with commercial ply veneering on both side	sqm	792.00
2415	21 mm thick clear toughened Laminated glass for fins with holes	sqm	6242.00
2447	Hollock ballies 125 mm diameter	metre	37.00
2449	Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	64.00
2451	Brass cupboard lock 6 levers of approved quality, 40 mm size	each	58.00
2452	Brass cupboard lock 6 levers of approved quality, 50 mm size	each	90.00
2453	Brass cupboard lock 6 levers of approved quality, 65 mm size	each	94.00
2454	Brass cupboard lock 6 levers of approved quality, 75 mm size	each	111.00
2455	Brass hanging type door stopper 150 mm	each	80.00
2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	699.00
2459	Anodised Aluminium hanging type door stopper	each	21.00
2464	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	49.00
2465	Anodised Aluminium Casement stay 250 mm	each	34.00
2466	Hollock wood in scantling	10 cudm	366.00
2467	Chromium plated Brass pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	174.00
2468	Nickled Chromium Brass cupboard lock 40 mm size	each	64.00
2469	Nickled Chromium Brass cupboard lock 50 mm size	each	74.00
2470	Nickled Chromium Brass cupboard lock 65 mm size	each	101.00
2471	Nickled Chromium Brass cupboard lock 75 mm size	each	127.00
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	923.00
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	908.00
2483	Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	1029.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
2484	Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 12 mm thick conforming to IS:14587	sqm	478.00
2485	Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 18 mm thick conforming to IS:14587	sqm	621.00
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 25 mm thick conforming to IS: 14587	sqm	903.00
2487	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 12 mm thick conforming to IS:14587	sqm	456.00
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 18 mm thick conforming to IS:14587	sqm	599.00
2489	PVC edge bending tape 2.00 mm thick	metre	22.00
2491	Pre laminated both side solid foam uPVC profile (45x20 mm)	metre	136.00
2492	Solid foam uPVC sheet 20 mm thick pre laminated on both side	sqm	2187.00
2493	PVC edge beading	metre	33.00
2494	Expandable fastner with plastic sleeve	each	7.00
2495	18 mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008	sqm	668.00
2496	6 mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008	sqm	464.00
2497	19 mm thick prelaminated ply	sqm	1530.00
2498	19 mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710	sqm	1492.00
2500	Extra for selected planks of second class deodar wood	10 cudm	115.00
2504	Kiln seasoning of timber	cum	794.00
2505	Hollock wood in planks	10 cudm	409.00
2506	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10 mm x 60 mm	10 Nos	278.00
2507	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10 mm x 80 mm	10 Nos	324.00
2508	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10 mm x 120 mm	10 Nos	403.00
2509	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10 mm x 140 mm	10 Nos	482.00
2510	Carben Steel galvanised (min 5 micron) dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10 mm x 160 mm	10 Nos	624.00
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	4724.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
2603	Common burnt clay F.P.S. (non modular) bricks class designation 5.0	1000 Nos	4316.00
2604	Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum/ Alluminium work complying to ASTM C920, DIN 18540-F & ISO 11600 including all taxes	each	564.00
2605	Structural sealant - 6 mm x 12 mm	metre	32.00
2606	Spacer tape 6.4 mm thick x 6 mm wide	metre	22.00
2607	Weather Sealant - Non Staining (600 ml)	each	338.00
2608	Weather Sealant - Normal (300 ml)	each	104.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	107.00
2610	Silicon Gasket in Kg (Above 50 g / m)	kg	502.00
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	163.00
2612	Anchor Fastner - M10	each	12.00
2613	SS Bolt with washer of different sizes for structural glazing / ACP Cladding	each	39.00
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	5.00
2615	Protective Tape	metre	23.00
2616	GI flashing - 1.2 mm Thick	kg	64.00
2617	6 mm thick High performance glass	sqm	1056.00
2618	6 mm thick clear heat strengthened glass	sqm	679.00
2619	Extra for 6 mm thick clear heat strengthened glass	each	134.00
2620	ARMS GS HD - Top Hung -20”- Type P- Couple	pair	1416.00
2621	Connection Block for vision glass panel	each	37.00
2622	Curtain wall striker for vision glass panel	each	89.00
2623	Adjustable Fastening Rawl for vision glass panel	each	37.00
2624	Corner drive for vision glass panel	each	267.00
2625	Top wedge Block for vision glass panel	each	124.00
2626	Glass wool of denisity @ 48 Kg / cum with black glass tissue (BGT)	sqm	258.00
2627	SS Screws - # 8 x 19	each	8.00
2628	Weather Sealant - DC 789	cartridge	127.00
2629	Cement Board	sqm	251.00
2630	Baker rod	metre	7.00
2631	4 mm thick ACP	sqm	1134.00
2632	Fire Stop	metre	487.00
2634	GI/Aluminium Sheet (0.8 mm thick)	kg	56.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section	each	3.30
2636	GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section	each	3.25
2637	Vapour barrier	sqm	184.00
2640	Glass panes of required thickness having 120 minutes of fire resistance both integrity and radiation control (EI 120) and minimum 20 minutes of insulation (EI 20)	sqm	26200.00
2641	G.I U beading of 1.6 mm thick G.I sheet with ceramic tape.	metre	256.00
2642	Ceramic tape 5 x20 mm size	metre	409.00
2704	Aluminium Strip 40 mm wide and 2 mm thick	kg	243.00
2708	Truf Paver (500 x 500 x 40 mm)	sqm	514.00
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	148.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
2710	White marble makrana second quality plain veined stone pieces for crazy flooring	quintal	164.00
2711	FS800H Grade Flooring Panel (Size 600 mm x600 mm x32 mm)	each	748.00
2712	Zinc Electroplated Pedestals - 300 mm	each	147.00
2713	Zinc Electroplated Pedestals - 450 mm	each	216.00
2714	Zinc Electroplated Tube Stinger	each	74.00
2715	Machine Screw for Fixing	each	4.00
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	702.00
2751	8 mm thick marble tiles (polished) Raj Nagar	sqm	409.00
2752	Double charge vitrified tile polished finish of size 60 x 60 cm	sqm	476.00
2753	Double charge vitrified tile polished finish of size 80 x 80 cm	sqm	534.00
2754	Double charge vitrified tile polished finish of size 60 x 120 cm	sqm	563.00
2755	Double charge vitrified tile polished finish of size 80 x 160 cm	sqm	764.00
2756	Double charge vitrified tile polished finish of size 100 x 100 cm	sqm	717.00
2757	Glazed vitrified tiles polished finish of size 60 x 60 cm	sqm	512.00
2758	Glazed vitrified tiles polished finish of size 60 x 120 cm	sqm	715.00
2759	Glazed vitrified tiles polished finish of size 80 x 80 cm	sqm	667.00
2760	Glazed vitrified tiles polished finish of size 80 x 120 cm	sqm	892.00
2761	Glazed vitrified tiles polished finish of size 120 x 120 cm	sqm	1224.00
2762	Glazed Vitrified tiles Matt/Antiskid finish of size 60 x 60 cm	sqm	486.00
2763	Glazed Vitrified tiles Matt/Antiskid finish of size 60 x 120 cm	sqm	714.00
2764	Glazed Vitrified tiles Matt/Antiskid finish of size 80 x 80 cm	sqm	664.00
2765	Glazed Vitrified tiles Matt/Antiskid finish of size 80 x 120 cm	sqm	892.00
2766	Glazed Vitrified tiles Matt/Antiskid finish of size 120 x 120 cm	sqm	1428.00
2767	Full body Vitrified tile of size 800x 2400 mm	sqm	2100.00
2901	Stone Aggregate (Single size): 100 mm nominal size	cum	1600.00
2902	Stone Aggregate (Single size): 80 mm nominal size	cum	1600.00
2903	Stone chippings/ screenings 4.75 mm nominal size	cum	1600.00
2904	Stone chippings/ screenings 150 micron nominal size	cum	1600.00
2908	Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size	cum	561.00
2909	Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size	cum	613.00
2910	Stone chippings/ screenings 12.5/ 13.2 mm nominal size	cum	1400.00
2911	Stone chippings/ screenings 10/ 11.2 mm nominal size	cum	1400.00
2914	Solvent	kg	32.00
2916	Paving Asphalt VG 10 of approved quality	tonne	33530.00
3002	Polyvinyl chloride sheet 400 micron thick	sqm	47.00
3004	Stone ware spouts 100 mm dia 60 cm long	each	46.00
3050	Galvanised steel corrugated sheets	quintal	6105.00
3051	Aluminium troughed profile sheet 0.56 mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000 mm)	sqm	564.00
3052	Aluminium troughed profile sheet 0.71 mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000 mm	sqm	702.00
3053	Aluminium troughed profile sheet 0.91 mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000 mm	sqm	904.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3054	Aluminium profile sheet 0.56 mm thick with center to center pitch of 175 mm, depth of 46 mm, top crest width of 41 mm, bottom valley width of 80 mm, overall profile width of 1144 mm, cover width 1050 mm	sqm	744.00
3055	Aluminium profile sheet 0.71 mm thick with center to center pitch of 175 mm, depth of 46 mm, top crest width of 41 mm, bottom valley width of 80 mm, overall profile width of 1144 mm, cover width 1050 mm	sqm	936.00
3056	Aluminium profile sheet 0.91 mm thick with center to center pitch of 175 mm, depth of 46 mm, top crest width of 41 mm, bottom valley width of 80 mm, overall profile width of 1144 mm, cover width 1050 mm	sqm	1196.00
3057	Aluminium Circular(sinusoidal) profile sheet 0.56 mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250 mm,cover width 1150 mm	sqm	534.00
3058	Aluminium Circular(sinusoidal) profile sheet 0.71 mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250 mm,cover width 1150 mm	sqm	684.00
3059	Aluminium Circular(sinusoidal) profile sheet 0.91 mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250 mm,cover width 1150 mm	sqm	892.00
3060	Precoated Aluminium troughed profile sheet 0.56 mm thcik with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000 mm	sqm	654.00
3061	Precoated Aluminium troughed profile sheet 0.71 mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000 mm	sqm	814.00
3062	Precoated Aluminium troughed profile sheet 0.91 mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000 mm	sqm	1046.00
3063	Aluminium color coated profile sheet 0.56 mm thick with center to center pitch of 175 mm, depth of 46 mm, top crest width of 41 mm, bottom valley width of 80 mm, overall profile width of 1144 mm, cover width 1050 mm	sqm	852.00
3064	Aluminium color coated profile sheet 0.71 mm thick with center to center pitch of 175 mm, depth of 46 mm, top crest width of 41 mm, bottom valley width of 80 mm, overall profile width of 1144 mm, cover width 1050 mm	sqm	1094.00
3065	Aluminium color coated profile sheet 0.91 mm thick ith center to center pitch of 175 mm, depth of 46 mm, top crest width of 41 mm, bottom valley width of 80 mm, overall profile width of 1144 mm, cover width 1050 mm	sqm	1392.00
3066	Aluminium profile sheet 0.56 mm thick with center to center pitch of 177.5 mm, depth of 28.5 mm, 987 mm overall profile width, cover width 900 mm	sqm	686.00
3067	Aluminium profile sheet 0.71 mm thick with center to center pitch of 177.5 mm, depth of 28.5 mm, 987 mm overall profile width, cover width 900 mm	sqm	884.00
3068	Precoated/Mill finish Aluminium plain ridges 0.71 mm TCT/plain and 500- 600 mm wide	metre	576.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3069	Precoated/Mill finish Aluminium flashings/aprons 0.50 mm TCT/plain and wide upto 600 mm	metre	561.00
3070	Precoated/Mill finish Aluminium plain north light cuves	metre	592.00
3071	Precoated/mill finish aluminium Barge board (Upto 200 mm)	metre	493.00
3072	Precoated/Mill finish Aluminium crimp curve	sqm	554.00
3073	Precoated/Mill finish Aluminium gutter	metre	736.00
3074	Stainless steel self tapping screw of 6x50 mm with SS hex cap and 3 mm thick EPDM seal	100 Nos	511.00
3075	EPDM washer	100 Nos	41.00
3076	Stainless steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	41.00
3080	Gunmetal non-return valve - vertical (screwed end) 25 mm dia	each	408.00
3084	Gunmetal non-return valve - vertical (screwed end) 32 mm dia	each	564.00
3088	Gunmetal non-return valve - vertical (screwed end) 40 mm dia	each	761.00
3092	Gunmetal non-return valve - vertical (screwed end) 50 mm dia	each	976.00
3096	Gunmetal non-return valve - vertical (screwed end) 65 mm dia	each	1568.00
3213	Vitreous china Surgeon type wash basin of size 660x460 mm	each	1133.00
3228	600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size	each	306.00
3229	Vitreous china flat back wash basin 550x400 mm	each	554.00
3300	Gunmetal non-return valve - vertical (screwed end) 80 mm dia	each	2664.00
3311	C.I. sluice valve (with caps) class II : 100 mm dia	each	2776.00
3314	C.I. sluice valve (with caps) class II : 125 mm dia	each	3365.00
3317	C.I. sluice valve (with caps) class II : 150 mm dia	each	4193.00
3320	C.I. sluice valve (with caps) class II : 200 mm dia	each	8976.00
3321	C.I. sluice valve (with caps) class II : 250 mm dia	each	15400.00
3326	C.I. sluice valve (with caps) class II : 300 mm dia	each	18976.00
3327	15 mm Battery Based Sensor Pillar Cock	each	6170.00
3617	C.P. Brass union 40 mm dia	each	226.00
3620	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long:100 mm dia	each	1194.00
3621	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long:75 mm dia	each	1225.00
3624	S.C.I. S&S bends with access door 100 mm dia	each	445.00
3625	S.C.I. S&S bends with access door 75 mm dia	each	325.00
3628	S.C.I. S&S bend 100 mm dia	each	370.00
3629	S.C.I. S&S bend 75 mm dia	each	250.00
3634	S.C.I. S&S heel rest sanitary bend 100 mm dia	each	355.00
3635	S.C.I. S&S heel rest sanitary bend 75 mm dia	each	330.00
3640	S.C.I. S&S single equal junctions 100x100x100 mm	each	540.00
3641	S.C.I. S&S single equal junctions 75x75x75 mm	each	370.00
3644	S.C.I. S&S single equal junctions with access door 100x100x 100 mm	each	600.00
3645	S.C.I. S&S single equal junctions with access door 75x75x75 mm	each	425.00
3650	S.C.I. S&S double equal junctions 100x100x100x100 mm	each	725.00
3651	S.C.I. S&S double equal junctions 75x75x75x75 mm	each	540.00
3654	S.C.I. S&S double equal junctions with access door 100x100x100x100 mm	each	725.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3655	S.C.I. S&S double equal junctions with access door 75x75x75x75 mm	each	580.00
3660	S.C.I. S&S single unequal junctions 100x100x75 mm	each	695.00
3664	S.C.I. S&S single unequal junctions with access door 100x100x75 mm	each	755.00
3670	S.C.I. S&S double unequal junctions 100x100x75x75 mm	each	955.00
3674	S.C.I. S&S double unequal junctions with access door 100x100x75x75 mm	each	1075.00
3681	S.C.I. S&S single equal invert branch of required degree 100x100x100 mm dia	each	495.00
3682	S.C.I. S&S single equal invert branch of required degree 75x75x 75 mm dia	each	380.00
3685	S.C.I. S&S double equal invert branch of required degree 100x100x100x100 mm dia	each	665.00
3686	S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia	each	540.00
3690	S.C.I. S&S single unequal invert branch of required degree 100x100x75 mm dia	each	670.00
3695	S.C.I. S&S double unequal invert branch of required degree 100x100x75x75 mm dia	each	865.00
3699	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	270.00
3707	S.C.I. S&S, 150 mm offset for 75 mm dia pipe	each	375.00
3708	S.C.I. S&S, 150 mm offset for 100 mm dia pipe	each	480.00
3712	S.C.I. S&S, 114 mm offset for 75 mm dia pipe	each	340.00
3713	S.C.I. S&S, 114 mm offset for 100 mm dia pipe	each	425.00
3716	S.C.I. S&S, 152 mm offset for 75 mm dia pipe	each	395.00
3717	S.C.I. S&S, 152 mm offset for 100 mm dia pipe	each	500.00
3728	S.C.I. S&S door pieces 100 mm dia	each	430.00
3729	S.C.I. S&S door pieces 75 mm dia	each	335.00
3733	S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm	each	325.00
3734	S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm	each	260.00
3738	S.C.I. S&S, collars 100 mm	each	330.00
3739	S.C.I. S&S, collars 75 mm	each	230.00
3746	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	240.00
3747	S.C.I. S&S, 75 mm offset for 100 mm dia pipe	each	400.00
3749	Vitreous china toilet paper holder of standard size	each	120.00
3860	560 mm dia cover with frame (Heavy duty)	each	9300.00
3861	560 mm dia cover without frame (Heavy duty)	each	5200.00
3862	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 15 mm outer dia	metre	345.00
3863	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 22 mm outer dia	metre	560.00
3864	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 28 mm outer dia	metre	725.00
3865	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 35 mm outer dia	metre	1055.00
3866	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 42 mm outer dia	metre	1295.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3867	SS pipe 316L grade as per IS 6911:2017 with press fit technology and conforming to EN-10312 standard 54 mm outer dia	metre	1680.00
3868	Coupling/Socket fittings for 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	240.00
3869	Coupling/Socket fittings for 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	300.00
3870	Coupling/Socket fittings for 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	350.00
3871	Coupling/Socket fittings for 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	440.00
3872	Coupling/Socket fittings for 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	595.00
3873	Coupling/Socket fittings for 54 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	715.00
3874	Reducer for 22 mm X 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	285.00
3875	Reducer for 28 mm X 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	345.00
3876	Reducer for 28 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	420.00
3877	Reducer for 35 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	425.00
3878	Reducer for 35 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	525.00
3879	Reducer for 42 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	675.00
3880	Reducer for 42 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	770.00
3881	Reducer for 42 mm X 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	805.00
3882	Reducer for 54 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	935.00
3883	Reducer for 54 mm X 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1105.00
3884	Reducer for 54 mm X 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1150.00
3885	Sleeve/Slip Coupling / Socket 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	420.00
3886	Sleeve/Slip Coupling / Socket 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	500.00
3887	Sleeve/Slip Coupling / Socket 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	580.00
3888	Sleeve/Slip Coupling / Socket 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	645.00
3889	Sleeve/Slip Coupling / Socket 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	750.00
3890	Sleeve/Slip Coupling / Socket 54 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1065.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3891	Elbow 90° for 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	340.00
3892	Elbow 90° for 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	480.00
3893	Elbow 90° for 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	640.00
3894	Elbow 90° for 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1050.00
3895	Elbow 90° for 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1700.00
3896	Elbow 90° for 54 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2250.00
3897	Equal Tee for 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	560.00
3898	Equal Tee for 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	655.00
3899	Equal Tee for 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	805.00
3900	Equal Tee for 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1000.00
3901	Equal Tee for 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1400.00
3902	Equal Tee for 54 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1680.00
3903	Reducing Tee for 22 mm X 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	640.00
3904	Reducing Tee for 28 mm X 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	795.00
3905	Reducing Tee for 28 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	800.00
3906	Reducing Tee for 35 mm X 15 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1005.00
3907	Reducing Tee for 35 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1010.00
3908	Reducing Tee for 35 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1020.00
3909	Reducing Tee for 42 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1415.00
3910	Reducing Tee for 42 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1430.00
3911	Reducing Tee for 42 mm X 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1440.00
3912	Reducing Tee for 54 mm X 22 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1680.00
3913	Reducing Tee for 54 mm X 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1720.00
3914	Reducing Tee for 54 mm X 35 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1735.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3915	Reducing Tee for 54 mm X 42 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1755.00
3916	Stainless steel Female thread Tee for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	625.00
3917	Stainless steel Female thread Tee for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	680.00
3918	Stainless steel Female thread Tee for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	770.00
3919	Stainless steel Female thread Tee for 28 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	815.00
3920	Stainless steel Female thread Tee for 28 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	845.00
3921	Stainless steel Female thread Tee for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	935.00
3922	Stainless steel Female thread Tee for 35 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	940.00
3923	Stainless steel Female thread Tee for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1295.00
3924	Stainless steel Female thread Tee for 42 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1505.00
3925	Stainless steel Female thread Tee for 54 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2150.00
3926	Stainless steel Female thread Tee for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2580.00
3927	Stainless steel Female threaded Connector/Adapter for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	490.00
3928	Stainless steel Female threaded Connector/Adapter for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	550.00
3929	Stainless steel Female threaded Connector/Adapter for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	645.00
3930	Stainless steel Female threaded Connector/Adapter for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1065.00
3931	Stainless steel Female threaded Connector/Adapter for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1140.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3932	Stainless steel Female threaded Connector/Adapter for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1750.00
3933	Stainless steel Female threaded Connector/Adapter for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2685.00
3934	Stainless steel Male threaded Connector/ Adapter for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	450.00
3935	Stainless steel Male threaded Connector/ Adapter for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	535.00
3936	Stainless steel Male threaded Connector/ Adapter for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	565.00
3937	Stainless steel Male threaded Connector/ Adapter for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	740.00
3938	Stainless steel Male threaded Connector/ Adapter for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1085.00
3939	Stainless steel Male threaded Connector/ Adapter for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1580.00
3940	Stainless steel Male threaded Connector/ Adapter for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2120.00
	Female Threaded Elbow 90°		
3941	SS Female Threaded Elbow 90° for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	715.00
3942	SS Female Threaded Elbow 90° for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	960.00
3943	SS Female Threaded Elbow 90° for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1320.00
3944	SS Female Threaded Elbow 90° for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2145.00
3945	SS Female Threaded Elbow 90° for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2335.00
3946	SS Female Threaded Elbow 90° for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	3610.00
3947	SS Male Threaded Elbow 90° for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	585.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3948	SS Male Threaded Elbow 90° for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	880.00
3949	SS Male Threaded Elbow 90° for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1170.00
3950	SS Male Threaded Elbow 90° for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1610.00
3951	SS Male Threaded Elbow 90° for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2950.00
3952	SS Male Threaded Elbow 90° for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	3355.00
3953	Stainless steel Cap for 15 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	355.00
3954	Stainless steel Cap for 22 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	460.00
3955	Stainless steel Cap for 28 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	575.00
3956	Stainless steel Cap for 35 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	805.00
3957	Stainless steel Cap for 42 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1750.00
3958	Stainless steel Cap for 54 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1925.00
3959	Stainless steel Pipe Bridge for 15 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	460.00
3960	Stainless steel Pipe Bridge for 22 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1240.00
3961	Stainless steel Pipe Bridge for 28 mm outer dia pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1705.00
3962	SS Male Union for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	990.00
3963	SS Male Union for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1000.00
3964	SS Male Union for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1145.00
3965	SS Male Union for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2020.00
3966	SS Male Union for 35 mm outer dia X 1-1/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2110.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
3967	SS Male Union for 42 mm outer dia X 1-1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	2380.00
3968	SS Male Union for 54 mm outer dia X 2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	4120.00
3969	SS Female Union for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1060.00
3970	SS Female Union for 28 mm outer dia X 1" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1430.00
3971	SS Female Transition Elbow/ FTE for 15 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	725.00
3972	SS Female Transition Elbow/ FTE for 22 mm outer dia X 1/2" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	970.00
3973	SS Female Transition Elbow/ FTE for 22 mm outer dia X 3/4" nominal dia threaded of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	each	1005.00
3991	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash	metre	75.00
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame	metre	80.00
3993	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement door sash	metre	105.00
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash	metre	95.00
3995	G.I fasteners 100 x 8 mm	each	20.00
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	280.00
4002	Stainless steel bolts/square bar and plates	kg	150.00
4006	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "B"	metre	260.00
4007	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "C"	metre	280.00
4008	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "E"	metre	300.00
4009	Mild steel tubes hot finished welded type	kg	72.00
4010	Mild steel tubes hot finished seamless type	kg	80.00
4011	Mild steel tubes electric resistant or induction butt welded	kg	72.00
4012	Circular C.I. Box for ceiling fan internal dia 140 mm, 73 mm height, toplid of 1.5 mm thick MS sheet	each	60.00
4013	Pulley 40 mm dia	each	40.00
4201	Aluminium primer	litre	140.00
4202	Red oxide Zinc chromate primer	litre	140.00
4203	Copper acetate	kg	330.00
4204	Hydrochloric acid	kg	40.00
4205	Copper chloride	kg	330.00
4206	Copper nitrate	kg	225.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
4207	Ammonium chloride	kg	25.00
5001	Mobil oil	litre	350.00
5050	SS pipe 304 grades with press fit technology as per JIS 3448 Standard 48.60 mm outer dia	metre	700.00
5744	EPS blocks	kg	160.00
5745	GI woven mesh of aperture 5.45 mm (with wire of dia 0.90 mm)	kg	65.00
5746	SR adhesive for joining EPS blocks	kg	190.00
5747	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 45 x 70 mm	metre	385.00
5748	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 45 x 85 mm	metre	540.00
5749	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 50 x 100 mm	metre	555.00
5750	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 50 x 125 mm	metre	645.00
5751	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 65 x 100 mm	metre	670.00
5752	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 65 x 125 mm	metre	860.00
5753	Factory made single extruded WPC (Wood Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat of frame size 65 x 150 mm	metre	1040.00
5754	Factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter 30 mm thick	sqm	2880.00
5755	Factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter 35 mm thick	sqm	3350.00
5756	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 18 mm thick	sqm	1800.00
5757	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 25 mm thick	sqm	2430.00
5758	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 6 mm thick	sqm	620.00
5759	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 12 mm thick	sqm	1050.00
5760	Factory made 18 mm thick single extruded WPC (Wood Polymer Composite) solid plain white colour board Jali	sqm	2320.00
5761	PVC laminated foil of minimum thickness of 14 microns of approved design	sqm	130.00
5762	16 mm thick extruded terracotta tiles of grey colour of size 300 x 595 mm	sqm	2265.00
5763	16 mm thick extruded terracotta tiles of other than grey colour of size 300 x 595 mm	sqm	2045.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
5764	24 mm thick extruded terracotta tiles of grey color of size 309x1190 mm and length 1190 mm	sqm	2580.00
5765	24 mm thick extruded terracotta tiles of other than grey color of size 309x1190 mm and length 1190 mm	sqm	2320.00
5766	Melamine wood sealer	litre	200.00
5767	Melamine solvent/thinner	litre	125.00
5768	Sanding cloth 150 mm wide	metre	65.00
5769	Sandpapers of assorted gratings	Nos	25.00
5770	Melamine wood filler putty	kg	120.00
5771	Dhoti (worm out soft cotton cloth)	Nos	25.00
5772	Grease	kg	195.00
5773	Shutttering oil	litre	95.00
5774	GP-2 cementitious compound	kg	22.00
5775	Galavinised MS L-shape level adjuster of size 76x25x25x1.6 mm	each	15.00
5776	12x50 mm long dash fastener	each	35.00
5777	Galvanized MS Z Cleat of size 25 x 37 x 25 x 1.6 mm with precut hole on both 25 mm flange	each	13.00
5778	15 mm tegular/butt edged without perforation plain/designer light weight calcium silicate Anti-Microbial Bio-Safe coated false ceiling tiles of size 595x595 mm	sqm	885.00
5779	Grinding buffers	day	255.00
5780	4 mm thick sheet of aluminium alloy grade 6061 (type-6) for aluminuum formwork	kg	260.00
5781	Fabrication cost for formwork panels and special including computerised designing for fabrication and mock testing before transportation to site of work.	kg	37.00
5782	Packaging and cartage of aluminium sheet/plate to the site of work	tonne	5400.00
5783	MS working platform for aluminium formwork	kg	48.00
5784	Customized Modular Tunnel Formwork Panel made of minimum 3 mm thick hot rolled plain painted/hot dip galvanized M.S. sheets with Accessories etc.	kg	89.00
5785	Designing, Fabrication and transportation cost	kg	58.00
6001	White marble slab Makrana second quality plain veined 18 mm thick	sqm	1450.00
6007	Pink marble slab plain 18 mm thick	sqm	700.00
6010	Udaypur green marble slab plain 18 mm thick	sqm	650.00
6019	Black Zebra marble slab plain 18 mm thick	sqm	1000.00
6501	Sand zone V (Jamuna)	cum	1320.00
7001	Brass 100 mm mortice latch and lock with 6 levers without pair of handles	each	211.00
7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	237.00
7004	Vitreous china flat back wash basin 450x300 mm	each	297.00
7005	Vitreous china 10 litres low level cistern without fittings	each	700.00
7006	Vitreous china 10 litres low level cistern with fittings	each	1200.00
7008	F.P.S. (non modular) clay fly ash bricks class designation 7.5	1000 Nos	4770.00
7009	12.5 mm thick tapered edge plain gypsum plaster board conforming to IS 2095 (Part 1):2011	sqm	154.00
7010	Galvanised Steel ceiling section (size 80x26x0.50 mm)	metre	49.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50 mm)	metre	24.00
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90 mm)	metre	40.00
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50 mm)	metre	13.00
7014	Galvanised Steel connecting clips (2.64 mm dia and 230 mm long GI wire)	each	4.00
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60 mm)	each	3.00
7016	Joint filler	kg	25.00
7017	Joint finisher	kg	23.00
7018	Joint tape roll	roll	95.00
7019	Dash fastener / Chemical fastener	each	13.00
7020	All drive screws (for gypsum board)	100 Nos	63.00
7021	Primer (for gypsum board)	litre	75.00
7022	Chlorpyriphos 20% E.C. / Lindane 20% E.C.	litre	165.00
7023	Chromium plated brackets (curtain rods)	each	9.00
7024	Acid Proof cement	tonne	8424.00
7025	Self tapping pan head nickel coated mild steel screws of size 13 x 3.2 mm	1000 Nos	523.00
7026	Fibre joint tape 50 mm wide (90 metre) roll	each roll	162.00
7027	M.S. Butt hinges 125x90x4 mm	10 Nos	113.00
7028	12.5 mm thick Fully Perforated gypsum board	sqm	414.00
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	260.00
7031	12.5 mm thick tapered edge moisture resistant plain gypsum plaster board conforming to IS 2095 (Part 1):2011	sqm	270.00
7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	445.00
7033	Nickel plated M.S. pipe 25 mm dia	metre	84.00
7034	Nickel plated M.S. pipe 20 mm dia	metre	78.00
7035	Nickel plated M.S. Brackets for curtain rod 20 mm	each	7.00
7036	Nickel plated M.S - Brackets for curtain rod 25 mm	each	9.00
7040	Oxidised mild steel screws 35 mm	100 Nos	53.00
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia	metre	45.00
7043	Mild steel conduit pipe (heavy type) ISI marked-25 mm dia	metre	57.00
7044	Rolling shutters of 80x0.90 mm laths	sqm	1417.00
7045	Rolling shutters of 80x1.2 mm laths	sqm	1458.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	495.00
7047	Top cover of Rolling shutters 1.20 mm thick	metre	616.00
7048	Rawl plug 50 mm (designation 10)	each	24.00
7049	Teak wood lipping of size 25x3 mm in pelmets	metre	13.00
7050	PU Primer	sqm	54.00
7051	40 mm (average) PU spray having 40-45 kg/m^3 density	sqm	385.00
7052	GI wire netting 3/4” x 24 G	sqm	28.00
7053	400 G polythene sheet	sqm	13.00
7055	Flat pressed three layer or graded plain particle board (medium density) Grade 1 ISI marked and conforming to IS : 3087 - 18 mm thick	sqm	469.00
7056	Aluminium tee channel (heavy duty) with rollers and stop end	metre	108.00
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	44.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7060	Hydraulic door closer tubular type Aluminium section body	each	600.00
7063	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg	each	37.00
7064	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg	each	33.00
7065	Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg	each	28.00
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	540.00
7070	Chequered precast cement concrete tiles 22 mm thick using marble chips of size 6 mm - Light shade using white cement	sqm	392.00
7071	White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area	sqm	600.00
7072	Wall mounted water closet of size 780 x 370x690 mm	each	5940.00
7073	Adjustable Vitreous China Cistern with fittings of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/8 litre)	each	1600.00
7074	White Vetrious China Waterless Urinal of size 600x330x315 mm	each	9500.00
7075	Cistern with fittings for Waterless Urinal	each	2376.00
7076	Battery based infrared sensor operated white Vitreous Urinal of aprox. size 610x390x370 mm	each	4770.00
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	530.00
7087	S.C.I. Tee 150 mm	each	621.00
7090	Expanded polystyrene type N- Normal 50 mm thick	sqm	128.00
7091	Expanded polystyrene type - SE 50 mm thick	sqm	148.00
7095	Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm	each	3200.00
7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm	each	3600.00
7097	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm	each	3350.00
7098	Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 178 mm	each	3180.00
7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	2350.00
7102	Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm	each	1600.00
7103	Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm	each	1272.00
7104	Coloured Orissa pattern W.C. pan 580x440 mm	each	1650.00
7105	Coloured Pedestal type W.C. pan 580x440 mm (European type)	each	900.00
7106	Coloured Vitreous china 10 lit. low level cistern	each	1000.00
7107	Coloured (other than black) solid P.V.C. seat in European W.C. pan	each	385.00
7112	Circular shape 450 mm dia Mirror with Plastic moulded frame	each	436.00
7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	307.00
7114	Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame	each	319.00
7115	Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	each	700.00
7116	Hard board 6 mm thick	sqm	124.00
7117	Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings	each	27.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7118	Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	36.00
7119	Flexible (coil shaped) PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings	each	38.00
7120	Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings	each	38.00
7121	Bottle Trap	each	682.00
7122	CP Brass Single lever telephonic wall mixer of approved make	each	4800.00
7123	Coloured High density polyethylene / poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings	each	583.00
7126	White Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	730.00
7127	Coloured Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	1200.00
7128	S.W. intercepting trap 100 mm dia	each	200.00
7129	S.W. intercepting trap 150 mm dia	each	262.00
7130	Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 2.5	each	743.00
7131	Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 2.5	each	600.00
7132	Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 2.5	each	610.00
7133	Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10	each	700.00
7134	Circular shape 500 mm dia precast R.C.C. manhole cover with frame-M.D.-10	each	605.00
7135	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20	each	935.00
7136	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - E.H.D. - 35	each	1250.00
7137	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick plain type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1722.00
7139	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick both sides prelaminated type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1823.00
7143	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of 12 mm thick one side prelaminated type-I, and other side balancing lamination, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	1990.00
7151	Factory made 30 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of sheet glass using 10 kg/ sqm glass panes	sqm	1720.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7154	Factory made 35 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm	sqm	1720.00
7155	Factory made 30 mm thick shutters with laminated veneer lumber styles & rails as per TADS 15:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm	sqm	1535.00
7157	Laminated veneer lumber conforming to TADS 15:1995 manufactured in factory in frames of doors, windows	10 cudm	750.00
7178	Chemical ASTMC-type I	kg	101.00
7181	C.I. pile shoe	kg	52.00
7182	M.S. clamps for pile shoe of 35 kg per pile	kg	45.00
7183	Bentonite of 35 kg per pile	tonne	3050.00
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	60.00
7187	C.I. grating 150 mm dia, weighing not less than 440 gm	each	29.00
7188	U-PVC pipes (working pressure 4 kg / cm²) Single socketed pipe 75 mm dia	metre	74.00
7189	U-PVC pipes (working pressure 4 kg / cm²) Single socketed pipe 110 mm dia	metre	142.00
7190	U-PVC pipes (working pressure 4 kg / cm²) Rubber (Seal) Ring 75 mm dia	each	9.00
7191	U-PVC pipes (working pressure 4 kg / cm²) Rubber (Seal) Ring 110 mm dia	each	12.00
7192	uPVC coupler for UPVC drainage pipes 75 mm	each	19.00
7193	uPVC coupler for UPVC drainage pipes 110 mm	each	41.00
7194	uPVC pushfit coupler (single) 75 mm thick	each	20.00
7195	uPVC pushfit coupler (single) 110 mm thick	each	35.00
7196	uPVC single equal Tee (without door) 75x75x75 mm	each	50.00
7197	uPVC single equal Tee (without door) 110x110x110 mm	each	89.00
7198	uPVC single equal Tee (with door) 75x75x75 mm	each	64.00
7199	uPVC single equal Tee (with door) 110x110x110 mm	each	98.00
7208	UPVC bend 87.5° 75 mm bend	each	38.00
7209	UPVC bend 87.5° 110 mm bend	each	63.00
7212	UPVC plain shoe 75 mm	each	29.00
7213	UPVC plain shoe 110 mm	each	50.00
7214	UPVC pipe clip 75 mm	each	15.00
7215	UPVC pipe clip 110 mm	each	16.00
7216	Self-Drilling/Self-Tapping Screws M-6 25 mm long	each	4.00
7217	SS anchor Fasteners (RCC / Brick) – M-8x75 mm/M-10x100 mm	each	76.00
7218	MS Polymer Sealant Adhesive	litre	1320.00
7219	SS Double Clip at intermediate	each	8.00
7220	SS Single clip at top and bottom	each	5.00
7221	Self-Drilling/Self-Tapping Screws 5.5x25 mm long	each	4.00
7222	SS Anchor Fasteners (RCC / Brick) – M-8x100 mm	each	76.00
7224	Concrete hardener	kg	24.00
7225	Release agent	litre	235.00
7226	Sealer	kg	290.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7227	PU resin top coat	kg	245.00
7231	Resin Bonded Glass wool 16 kg/m³ : 50 mm thick	sqm	105.00
7232	Resin Bonded Glass wool 24 kg/m³ : 50 mm thick	sqm	140.00
7233	Fibre glass tissue reinforcement Type II Grade i	sqm	82.00
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement	sqm	232.00
7237	Precast chequered cement tiles 22 mm thick medium shade using 50% white cement & 50% ordinary cement	sqm	358.00
7238	High Albedo paint	kg	228.00
7239	Epoxy paint	litre	230.00
7240	Fire retardant paint	litre	259.00
7241	Melamine polish	litre	327.00
7244	Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	1615.00
7245	Table rubbed polished stone 18 mm thick (75x50cm) Granite stone-18 mm thick	sqm	1938.00
7246	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification and up to 50 tonne capacity pile	per test	38500.00
7247	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & above 50 tonne and up to 100 tonne	per test	43000.00
7248	Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & group of two or more up to 50 tonne	per test	49500.00
7249	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile up to 50 tonne capacity	per test	13800.00
7250	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile above 50 tonne capacity pile and up to 100 tonne capacity pile	per test	22800.00
7251	Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Group of two piles up to 50 tonne capacity each	per test	28500.00
7252	Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile up to 50 tonne capacity	per test	13800.00
7253	Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile above 50 tonne capacity	per test	23100.00
7254	Hardening compound	litre	39.00
7255	Road marking paint (spirit based)	litre	124.00
7256	Superior quality road marking paint (water based)	litre	140.00
7257	C.P. Brass bibcock 15 mm	each	330.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7258	C.P. Brass long nose bibcock 15 mm	each	540.00
7259	C.P. Brass long body bibcock 15 mm	each	530.00
7260	C.P. Brass stop cock (concealed) 15 mm	each	445.00
7261	C.P. Brass angle valve 15 mm	each	378.00
7266	Pressed clay tiles 20 mm thick 250x250 mm size	1000 Nos	8800.00
7267	Plain ceiling tiles (BWP type phenol formaldehyde synthetic resin bonded) (600x600x12 mm)	each	111.00
7268	Semi perforated ceiling tiles (600x600x12 mm)	each	107.00
7269	25 mm thick particle board	sqm	450.00
7270	30 mm thick prelaminated flush door shutter	sqm	900.00
7271	Second class teak wood lipping 25 mm wide x 12 mm thick	metre	30.00
7272	25 mm thick melamine faced prelaminated flat pressed three layer particle board	sqm	970.00
7273	Resin Bonded Rockwool 48 kg/m^3	sqm	117.00
7274	Glass wool 50 mm thick	sqm	220.00
7280	Waste plastic additive	tonne	39500.00
7281	Chemical ASTMC-type II	kg	163.00
7295	Granite of colour black, cherry/ruby red 18 mm thick (slab area upto 0.50 sqm)	sqm	1908.00
7296	Granite of colour black, cherry/ruby red 30 mm thick (slab area upto 0.50 sqm)	sqm	2045.00
7297	Granite of all colour except black, cherry/ruby red 18 mm thick (slab area upto 0.50 sqm)	sqm	1076.00
7298	Granite of colour black, cherry/ruby red 18 mm thick (slab area above 0.50 sqm)	sqm	2152.00
7299	Granite stone slab all colour except black, cherry/ruby red 18 mm thick (slab area above 0.50 sqm)	sqm	1290.00
7300	Granite of all colour except black, cherry/ruby red 30 mm thick (slab area above 0.50 sqm)	sqm	2260.00
7306	Aluminium T or L sections	kg	198.00
7307	For flush door shutters extra for providing teak veneering on one side instead of commercial veneering	sqm	336.00
7309	Paving Asphalt of grade VG-30 of approved quality	tonne	41202.00
7312	Expandable fastener with plastic sleeve and M.S. screws : 25 mm long	each	11.00
7313	Expandable fastener with plastic sleeve and M.S. screws : 32 mm long	each	11.00
7314	Expandable fastener with plastic sleeve and M.S. screws : 40 mm long	each	14.00
7315	Expandable fastener with plastic sleeve and M.S. screws. 50 mm long	each	15.00
7318	Plasticizer / super plasticizer	kg	30.00
7319	Wall form panel 1250x500 mm	each	900.00
7320	Tie bolt 12 mm dia 100 mm length	each	40.00
7321	Tie bolt 12 mm dia 150 mm length	each	50.00
7322	Tie bolt 20 mm dia 150 mm length	each	60.00
7323	Tie bolt 20 mm dia 225 mm length	each	72.00
7324	Spring coil 12 mm	each	16.00
7325	Plastic cone 12 mm dia	each	17.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7326	Corner angle 45x45x5 mm 1.50 m long	each	257.00
7327	100 mm channel shoulder 2.5 m long	each	950.00
7328	Double clip (bridge clip)	each	80.00
7329	Single clip	each	64.00
7330	M.S. tube 40 mm dia	metre	225.00
7331	Wall form panel 1250x450 mm	each	900.00
7332	Corner angle 45x45x5 mm 2.50 m long	each	275.00
7333	Column clamp 450x1070 mm	each	1020.00
7334	Prop 2 m (2-3.5 m)	each	690.00
7335	Binding wire	kg	50.00
7336	Lock Bar (E 250) - 10 thick MS Plate	kg	83.00
7338	Gun metal cramp	kg	335.00
7339	Stainless steel cramp	kg	313.00
7340	Stainless steel pin	kg	193.00
7342	Adjustable span ESO+SI (2.35-3.40)	each	1540.00
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1051.00
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	375.00
7345	Prop 4 m	each	965.00
7346	Double coupler	each	49.00
7347	Cadmium plated full threaded steel screws (30x4 mm dia)	100 Nos	29.00
7348	Aluminium washer 2 mm thick 15 mm dia	100 Nos	11.00
7349	12 mm M.S. 'U' beading	metre	15.00
7354	Plastic encapsulated M.S. foot rest 30x20x15 cm	each	121.00
7358	Flushing Cistern P.V.C. 10 litre capacity (low level-White) with fittings, accessories and flush pipe	each	621.00
7359	P.V.C. automatic flushing cistern 5 litre capacity	each	477.00
7361	P.V.C. automatic flushing cistern 10 litre capacity	each	545.00
7363	15 mm C.P. brass tap with elbow operation lever	each	464.00
7364	White glazed fire clay draining board 600x450x25 mm	each	540.00
7366	Glass reinforced Gypsum (GRG) plaster board 12.5 mm thick conforming to IS 2095 (Part 3):1996	sqm	264.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	65.00
7368	GFRG Panel of 124 mm thick	sqm	896.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm	metre	76.00
7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe single lipped urinal	each	481.00
7376	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe range of two lipped urinals	each	795.00
7377	G.i. flush pipe and C.P. brass spreader including C.P. connecting pipe range of three lipped urinals	each	1130.00
7378	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe range of four lipped urinals	each	1544.00
7379	White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS:2556	each	915.00
7380	Precast R.C.C. grating with frame 500x450 mm horizontal grating	each	665.00
7381	Precast R.C.C. grating with frame 450x100 mm vertical grating	each	250.00
7382	Bitumen emulsion rapid setting (R.S.) conforming to IS : 8887	tonne	19893.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7383	12 mm dia 50 mm long wedge type expanded zinc alloy dash fastener	each	8.00
7385	3 mm thick translucent white acrylic plastic sheet	sqm	529.00
7386	12 mm thick particle board ceiling tile	sqm	101.00
7387	Spigot for standard jointing	kg	44.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	10.00
7389	Anodising 15 microns on aluminium sections	kg	42.00
7390	EPDM Gasket for uPVC window/door	metre	16.00
7391	Anodising 25 microns on aluminium sections	kg	51.00
7392	Powder coating 50 microns on aluminium sections	kg	66.00
7393	Polyester powder coating 50 microns on aluminium sections	kg	72.00
7394	Double action hydraulic floor spring with stainless steel cover plate	each	1615.00
7395	6 mm dia G.I. adjustable hangers including clips (up to 1.2 m length)	each	21.00
7396	Double action hydraulic floor spring with brass cover plate	each	1715.00
7397	Base Jack	each	155.00
7398	Challies	each	834.00
7399	Cup locks	each	50.00
7400	15 mm PTMT bib cock	each	70.00
7401	15 mm PTMT bib cock with flange (fancy)	each	95.00
7402	15 mm PTMT bib cock long body with flange	each	106.00
7403	15 mm dia PTMT stop cock (male thread)	each	65.00
7405	20 mm dia PTMT stop cock	each	73.00
7406	PTMT pillar cock	each	125.00
7407	PTMT push cock 15 mm dia	each	61.00
7408	PTMT push cock 12 mm dia 20 mm BSP	each	49.00
7409	PTMT grating 100 mm dia	each	17.00
7410	PTMT Pillar cock (fancy) 15 mm foam flow	each	136.00
7411	125 mm grating with waste hole	each	27.00
7412	Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm)	each	129.00
7415	Double acting air valve 50 mm	each	3875.00
7416	Double acting air valve 80 mm	each	4750.00
7417	Double acting air valve 100 mm	each	6000.00
7418	Water meter (including testing charges) 80 mm	each	2100.00
7419	Water meter (including testing charges) 100 mm	each	3200.00
7420	Water meter (including testing charges) 150 mm	each	5130.00
7421	Water meter (including testing charges) 200 mm	each	5400.00
7422	Dirt box strainer 80 mm	each	2800.00
7423	Dirt box strainer 100 mm	each	4600.00
7424	Dirt box strainer 150 mm	each	5850.00
7425	Dirt box strainer 200 mm	each	8130.00
7426	Cat's eye	each	87.00
7427	Water stops Serrated with central bulb (225 mm wide, 8-11 mm thick)	metre	215.00
7428	Water stops Dumb bell with central bulb	metre	173.00
7429	Kickers	metre	170.00
7430	Wedge expansion hold fastener 1/4" or 6 mm	each	9.00
7431	Wedge expansion hold fastener 3/8" or 10 mm	each	11.00
7432	Wedge expansion hold fastener 1/2" or 12 mm	each	26.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7439	8 mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	477.00
7441	Wheel 40 mm dia. 40 mm wide	each	25.00
7442	Wheel 75 mm dia. 40 mm wide	each	66.00
7443	Aluminium single cleat of size 30x32x3 mm	each	15.00
7444	Aluminium grip strip of size 50x12x2 mm	each	12.00
7445	25 mm thick prelaminated flush door shutter both side decorative	sqm	861.00
7449	Aluminium U beading	kg	220.00
7451	Glass sheet (Pin headed) 4 mm thick	sqm	373.00
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	570.00
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	690.00
7466	Second class deodar teak wood lipping 30 mm wide x 12 mm thick	metre	22.00
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	510.00
7477	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade-I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	550.00
7478	Prelaminated flat pressed three layer or graded wood particle board with one side decorative and other side balancing lamination, (medium density) Grade I, Type II conforming and marked to IS : 12823 (exterior grade) 18 mm thick	sqm	590.00
7479	Prelaminated flat pressed three layer or graded wood particle board with one side decorative and other side balancing lamination, (medium density) Grade I, Type II conforming and marked to IS : 12823 (exterior grade) 25 mm thick	sqm	901.00
7480	Prelaminated flat pressed three layer or graded wood particle board with both sides decorative lamination, (medium density) Grade I, Type II conforming and marked to IS : 12823 (exterior grade) 12 mm thick	sqm	534.00
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	43.00
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	57.00
7491	PTMT - Waste Coupling 31/32 mm	each	35.00
7492	PTMT - Waste Coupling 38/40 mm	each	40.00
7493	PTMT - Bottle Trap 31/32 mm	each	212.00
7494	PTMT - Bottle Trap 38/40 mm	each	218.00
7495	PTMT Ball Cock 15 mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	79.00
7496	PTMT Ball Cock 20 mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	120.00
7497	PTMT Ball Cock 25 mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	295.00
7498	PTMT Ball Cock 40 mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	445.00
7499	PTMT Ball Cock 50 mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	894.00
7500	PTMT Angle Stop cock with Flange 15 mm	each	92.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7501	PTMT Swiveling shower 15 mm	each	70.00
7503	PTMT Liquid Soap Container of 400 ml capacity	each	103.00
7504	PTMT - Towel Ring 215x200x37 mm	each	117.00
7505	PTMT - Towel Rail (450 mm long)	each	132.00
7506	PTMT - Towel Rail (600 mm long)	each	157.00
7507	PTMT Shelf 450x124x36 mm	each	160.00
7508	PTMT - Urinal Spreader 15 mm	each	60.00
7509	PTMT Soap Dish/Holder 138x102x75 mm	each	63.00
7512	PTMT handle 125x34x24 mm	each	23.00
7513	PTMT handle 150x34x24 mm	each	22.00
7514	PTMT butt hinges 75x60x10 mm	each	32.00
7515	PTMT butt hinges 100x75x10 mm	each	39.00
7516	PTMT Tower bolt 152x42x18 mm	each	39.00
7517	PTMT Tower bolt 202x42x18 mm	each	62.00
7518	PTMT door catcher 72x42 mm	each	24.00
7552	Coir veneered board 4 mm thick	sqm	274.00
7553	Coir veneered board 6 mm thick	sqm	368.00
7555	Coir veneered board 12 mm thick	sqm	650.00
7556	Coir veneered board 18 mm thick	sqm	980.00
7589	Ductile Iron double chamber restrained joint (bolt less) fittings class K12 upto 600 mm nominal dia	quintal	20900.00
7590	Ductile Iron double chamber restrained joint (bolt less) fittings class K12 above 600 mm nominal dia	quintal	27000.00
7591	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 100 mm nominal dia pipe	metre	1256.00
7592	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 150 mm nominal dia pipe	metre	1748.00
7593	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 200 mm nominal dia pipe	metre	2197.00
7594	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 250 mm nominal dia pipe	metre	2945.00
7595	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 300 mm nominal dia pipe	metre	3684.00
7596	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 350 mm nominal dia pipe	metre	4480.00
7597	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 400 mm nominal dia pipe	metre	5576.00
7598	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 450 mm nominal dia pipe	metre	6629.00
7599	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 500 mm nominal dia pipe	metre	7803.00
7600	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 600 mm nominal dia pipe	metre	10220.00
7601	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 700 mm nominal dia pipe	metre	12911.00
7602	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 750 mm nominal dia pipe	metre	14463.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7603	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 800 mm nominal dia pipe	metre	15908.00
7604	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 900 mm nominal dia pipe	metre	19824.00
7605	Centrifugally Cast DI class K9 pipe including double chamber restraining arrangements (bolt less) 1000 mm nominal dia pipe	metre	23995.00
7606	Rubber Gasket of EPDM quality for 100 mm nominal dia pipe	each	29.00
7607	Rubber Gasket of EPDM quality for 150 mm nominal dia pipe	each	33.00
7608	Rubber Gasket of EPDM quality for 200 mm nominal dia pipe	each	60.00
7609	Rubber Gasket of EPDM quality for 250 mm nominal dia pipe	each	70.00
7610	Rubber Gasket of EPDM quality for 300 mm nominal dia pipe	each	100.00
7611	Rubber Gasket of EPDM quality for 350 mm nominal dia pipe	each	116.00
7612	Rubber Gasket of EPDM quality for 400 mm nominal dia pipe	each	210.00
7613	Rubber Gasket of EPDM quality for 450 mm nominal dia pipe	each	250.00
7614	Rubber Gasket of EPDM quality for 500 mm nominal dia pipe	each	270.00
7615	Rubber Gasket of EPDM quality for 600 mm nominal dia pipe	each	356.00
7616	Rubber Gasket of EPDM quality for 700 mm nominal dia pipe	each	510.00
7617	Rubber Gasket of EPDM quality for 750 mm nominal dia pipe	each	600.00
7618	Rubber Gasket of EPDM quality for 800 mm nominal dia pipe	each	705.00
7619	Rubber Gasketof EPDM quality for 900 mm nominal dia pipe	each	910.00
7620	Rubber Gasket of EPDM quality for 1000 mm nominal dia pipe	each	1080.00
7621	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 100 mm dia (3000 mm length pipe)	metre	719.00
7622	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 75 mm dia (3000 mm length pipe)	metre	591.00
7623	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 100 mm dia	each	228.00
7624	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 -75 mm dia	each	153.00
7625	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 100x100x100x100 mm dia	each	504.00
7626	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 75x75x75x75 mm dia	each	270.00
7627	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 100x100x100 mm dia	each	378.00
7628	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 75x75x75 mm dia	each	213.00
7629	Hubless centrifugally cast (spun) iron double unequal plain junction as per IS 15905 - 100x100x75x75 mm dia	each	396.00
7630	Hubless centrifugally cast (spun) iron single unequal plain junction as per IS 15905 -100x100x75 mm dia	each	357.00
7631	Hubless centrifugally cast (spun) iron double equal plain invert branch as per IS 15905 - 100x100x100x100 mm dia	each	747.00
7632	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 100x100x100 mm dia	each	423.00
7633	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 75x75x75 mm dia	each	258.00
7634	Hubless centrifugally cast (spun) iron single unequal plain invert branch 45 degree as per IS 15905 - 100x100x75 mm dia	each	432.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7635	Hubless centrifugally cast (spun) iron 65 mm offset with 100 mm dia pipe as per IS 15905	each	360.00
7636	Hubless centrifugally cast (spun) iron 65 mm offset with 75 mm dia pipe as per IS 15905	each	295.00
7637	Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia pipe as per IS 15905	each	414.00
7638	Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia pipe as per IS 15905	each	303.00
7639	Hubless centrifugally cast (spun) iron bend with access door - 100 mm dia as per IS 15905	each	348.00
7640	Hubless centrifugally cast (spun) iron bend with access door - 75 mm dia as per IS 15905	each	252.00
7641	Hubless centrifugally cast (spun) iron terminal guard (slotted cowl) -100 mm dia as per IS 15905	each	270.00
7642	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905	each	570.00
7643	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 75 mm outlet as per IS 15905	each	385.00
7644	SS 304 grade shielded coupling with EPDM rubber gasket for 100 mm dia Hubless centrifugally cast (spun) iron	each	273.00
7645	SS 304 grade shielded coupling with EPDM rubber gasket for 75 mm dia Hubless centrifugally cast (spun) iron	each	249.00
7651	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia	metre	900.00
7652	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 150 mm dia	metre	1225.00
7653	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 200 mm dia	metre	1650.00
7654	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 250 mm dia	metre	2350.00
7655	Ductile Iron class K - 9 pipe Conforming to 1.S. 8329 - 300 mm dia	metre	2900.00
7656	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350 mm dia	metre	3600.00
7657	Ductile Iron class K - 9 pipe Conforming to 1.S. 8329 - 400 mm dia	metre	4570.00
7658	Ductile Iron class K - 9 pipe Conforming to 1.S. 8329 - 450 mm dia	metre	5325.00
7659	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500 mm dia	metre	6475.00
7660	Ductile Iron class K -9 pipe Conforming to I.S. 8329 - 600 mm dia	metre	8700.00
7661	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700 mm dia	metre	11700.00
7662	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750 mm dia	metre	12435.00
7663	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800 mm dia	metre	12600.00
7664	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 900 mm dia	metre	15465.00
7665	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000 mm dia	metre	16700.00
7666	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia	each	35.00
7668	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150 mm dia	each	40.00
7669	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200 mm dia	each	70.00
7670	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250 mm dia	each	80.00
7671	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia	each	115.00
7672	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia	each	125.00
7673	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia	each	235.00
7674	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia	each	290.00
7675	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia	each	310.00
7676	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia	each	435.00
7677	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia	each	615.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7678	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia	each	700.00
7679	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia	each	755.00
7680	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia	each	990.00
7681	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia	each	1130.00
7682	Ductile Iron K - 12 specials suitable for push on jointing up to 600 mm dia	quintal	13600.00
7683	Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia	quintal	18300.00
7684	Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - up to 600 mm dia	quintal	14500.00
7685	Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia	quintal	19500.00
7686	Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia	metre	1225.00
7687	Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia	metre	1750.00
7688	Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia	metre	2250.00
7689	Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia	metre	3150.00
7690	Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia	metre	3950.00
7691	Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia	metre	5075.00
7692	Ductile Iron Pipe Class K-9 flanges and welding 400 mm dia	metre	6575.00
7693	Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia	metre	6800.00
7694	Ductile Iron Pipe Class K-9 flanges and welding 500 mm dia	metre	10500.00
7695	Ductile Iron Pipe Class K-9 flanges and welding 600 mm dia	metre	13500.00
7696	Ductile Iron Pipe Class K-9 flanges and welding 700 mm dia	metre	15400.00
7697	S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia	metre	950.00
7698	S&S Centrifugally (Spun) C.I. Pipe class LA 125 mm dia	metre	1150.00
7699	S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia	metre	1350.00
7700	S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia	metre	2275.00
7701	S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia	metre	3100.00
7702	S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia	metre	4100.00
7703	S&S Centrifugally (Spun) C.I. Pipe class LA 350 mm dia	metre	4900.00
7704	S&S Centrifugally (Spun) C.I. Pipe class LA 400 mm dia	metre	6500.00
7705	S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia	metre	7850.00
7706	S&S Centrifugally (Spun) C.I. Pipe class LA 500 mm dia	metre	9200.00
7707	S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia	metre	12500.00
7708	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia	quintal	5600.00
7709	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia	quintal	6675.00
7710	S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia	quintal	9210.00
7711	S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per I.S. 13382 over 300 mm dia	quintal	9750.00
7712	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia	metre	1400.00
7713	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia	metre	2150.00
7714	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia	metre	3350.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7715	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia	metre	4160.00
7716	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia	metre	5410.00
7717	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia	metre	6750.00
7718	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia	metre	8810.00
7719	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia	metre	11275.00
7720	Screwed double flanged centrifugally cast (spun) C./. Pipe of Class B conforming to I.S. 1536, - 500 mm dia	metre	14600.00
7721	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia	metre	18500.00
7722	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia	metre	845.00
7723	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia	metre	1200.00
7724	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia	metre	1560.00
7725	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia	metre	1925.00
7726	Ductile Iron Class K- 7 pipe conforming to i.S. 8329 - 300 mm dia	metre	2350.00
7727	Ductile Iron Class K- 7 pipe conforming to i.S. 8329 - 350 mm dia	metre	2775.00
7728	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia	metre	3375.00
7729	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia	metre	4100.00
7730	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia	metre	4500.00
7731	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia	metre	5950.00
7732	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia	metre	7650.00
7733	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia	metre	9650.00
7734	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia	metre	12450.00
7735	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia	metre	13100.00
7736	Extruded burnt flyash clay sewer bricks conforming to I.S 4885	1000 Nos	5500.00
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	4500.00
7738	Calcium Silicate Bricks machine moulded conforming to I.S. 4139	1000 Nos	5700.00
7739	Modified Bitumen Refinery produced CRMB - 55	tonne	33100.00
7741	Modified Bitumen Refinery produced CRMB - 60	tonne	33250.00
7742	Bitumen emulsion medium setting (M.S.) conforming to IS : 8887	tonne	33530.00
7743	M.S. pipe 150 mm dia casing pipe	metre	1250.00
7744	M.S. pipe 200 mm dia casing pipe	metre	1550.00
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	550.00
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	775.00
7747	M.S. cap 150 mm dia	each	165.00
7748	M.S. cap 200 mm dia	each	215.00
7749	M.S bail plug 150 mm dia	each	215.00
7750	M.S bail plug 200 mm dia	each	240.00
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	560.00
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	875.00
7753	Stone Boulder 50 mm to 200 mm	cum	875.00
7754	Gravel 5 mm to 10 mm	cum	895.00
7755	Gravel 1.5 mm to 2 mm	cum	895.00
7756	Gravel 3 mm to 6 mm	cum	895.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7757	M.S. pipe 100 mm dia casing pipe	metre	850.00
7758	uPVC blind pipe 100 mm dia as per IS: 12818	metre	465.00
7759	uPVC slotted pipe 100 mm dia as per IS: 12818	metre	475.00
7760	M.S. cap 100 mm dia	each	150.00
7761	M.S. bail plug 100 mm dia	each	175.00
7762	Precast R.C.C. perforated slab	each	950.00
7763	Water supply tanker of 5000 litre capacity	each	1625.00
7764	M.S. socket 100 mm dia	each	140.00
7765	M.S. socket 150 mm dia	each	225.00
7766	M.S. socket 200 mm dia	each	300.00
7767	Stone cleaning chemical approved by ASI	litre	300.00
7768	Water repallent chemical approved by ASI	litre	1190.00
7769	Stone surface strengthening chemical approved by ASI	litre	910.00
7770	Turpentine oil	litre	60.00
7771	Liquid Ammonia 5%	litre	150.00
7772	Pea Gravel	cum	1200.00
7773	Coloured C.C. inter locking paver Block (60 mm thick, M-35) (including carriage)	sqm	450.00
7774	Stone size 10x10x7.50cm (including carriage)	each	10.00
7775	Sodium pentachlorophenate	kg	575.00
7776	Concrete paver block of grade M-30 made of C&D waste (60 mm thickness)	sqm	300.00
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5 mm in all colours shades and designs except burgundy, bottle green, black	sqm	225.00
7801	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.	sqm	200.00
7802	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sqm	350.00
7803	Rectified Ceramic Glazed Tiles 1st quality 300 x 300 mm or more in all shades designs White, Ivory, Grey, Fume Red Brown etc.	sqm	375.00
7804	Rectified Ceramic Glazed Tiles 1st quality 300 x 300 mm or more in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sqm	450.00
7805	Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724 mm X 578 mm	each	4600.00
7806	Salem Stainless steel AISI - 304 (18/8) Round basin 405 mm X 355 mm	each	1650.00
7807	Salem Stainless steel AISI - 304 (18/8) Wash basin 530 mm X 345 mm	each	2150.00
7808	Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet trap	each	550.00
7809	Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet trap	each	535.00
7850	Agaria White marble slab plain 18 mm thick	sqm	1100.00
7857	P.T.M.T. Grating square slit 150 mm	each	50.00
7858	P.T.M.T. Urinal cock 15 mm dia	each	105.00
7859	P.T.M.T. Bib cock with nozzle 15 mm	each	120.00
7861	P.T.M.T. Stop cock (concealed) 15 mm	each	135.00
7862	15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts	each	40.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7863	15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts	each	55.00
7864	P.T.M.T. extension nipple 15 mm dia	each	30.00
7865	P.T.M.T. extension nipple 20 mm dia	each	58.00
7866	P.T.M.T. extension nipple 25 mm dia	each	72.00
7893	Tactile tile	sqm	890.00
7895	Matt finished vitrified tile 100x100 x16 mm	sqm	990.00
7896	Vitrified tile	sqm	495.00
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	4500.00
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	5000.00
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	5500.00
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	5300.00
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	5200.00
7911	Chemical Rust Remover	litre	290.00
7912	Hire charges of Drill machine upto 30 mm dia	day	180.00
7913	Epoxy	kg	380.00
7914	SBR Polymer	kg	200.00
7915	Woven PVC cloth	sqm	28.00
7916	Hire charges of sand blasting equipment	day	500.00
7917	Hire charges of compressure	day	750.00
7918	25 mm thick cement concrete shotcrete(guniting) with compressor	sqm	125.00
7919	50 mm thick cement concrete shotcrete(guniting) with compressor	sqm	190.00
7920	75 mm thick cement concrete shotcrete(guniting) with compressor	sqm	310.00
7921	Adhesive chemical	ml	2.00
7922	Bit of drilling machine for Hole upto 30 mm dia	each	550.00
7923	GI injection nipple 12 mm dia, 75 mm long	each	50.00
7924	Blowing compressed air for cleaning holes upto 30 mm dia	each	10.00
7925	L shaped 100 mm long, 10 mm dia mild steel shear key	kg	90.00
7926	Welding charges of shear key to existing reinforcement	each	2.50
7927	Acrylic Polymer chemical for cracks	kg	35.00
7928	Hire charges of Plant and machinery, it can inject - 350kg/day	day	120.00
7929	Shear loops (6 mm dia GI wire rope) (For vertical joints) 6 nos on each side	each	230.00
7930	Dowel tubes (Corrugated GI pipes 50 to 80 mm dia) (For horizontal joints)	metre	165.00
7931	Hooks for lifting (Alloy steel) having 2.5 tonne capacity	each	310.00
7996	Factory made EPS light weight composite sandwitched wall/roof panel (50 mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board conforming to IS 14862:2000 or Calcium silicate board conforming to EN 14306:2009 of 5 mm thick each.	sqm	760.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
7997	Factory made EPS light weight composite sandwitched wall/roof panel (60 mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board conforming to IS 14862:2000 or Calcium silicate board conforming to EN 14306:2009 of 5 mm thick each	sqm	875.00
7998	Factory made EPS light weight composite sandwitched wall/roof panel (75 mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board conforming to IS 14862:2000 or Calcium silicate board conforming to EN 14306:2009 of 5 mm thick each	sqm	1111.00
7999	Factory made EPS light weight composite sandwitched wall/roof panel (90 mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board conforming to IS 14862:2000 or Calcium silicate board conforming to EN 14306:2009 of 5 mm thick each	sqm	1313.00
8000	Factory made EPS light weight composite sandwitched wall/roof panel (100 mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board conforming to IS 14862:2000 or Calcium silicate board conforming to EN 14306:2009 of 5 mm thick each	sqm	1565.00
8001	24 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1800.00
8002	30 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2000.00
8003	30 mm thick Factory made PVC rigid foam panelled shutter as per IS:4020 (Plain) i/c carriage	sqm	1912.00
8004	30 mm thick Factory made PVC rigid foam panelled shutter as per IS : 4020(Both side laminated) i/c carriage	sqm	2250.00
8006	Factory made PVC rigid foam sheet 1 mm thick	sqm	165.00
8007	Factory made PVC rigid foam sheet 5 mm thick	sqm	530.00
8008	Factory made prelaminated PVC rigid foam sheet 5 mm thick	sqm	1024.00
8010	48 mmX40 mmX1.5 mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	140.00
8011	Factory made 50 mmx47 mm with a wall thickness of 5 mm door frame PVC extruded sheet i/c carriage	metre	295.00
8012	Adhesive solvent cement	kg	150.00
8013	Factory made EPS Core wall panel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh,with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding.	sqm	1708.00
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	350.00
8015	Expanded poly ethylene Foam sheet 4 mm thick of density 40kg/m^3	sqm	22.00
8016	High Density expanded poly ethylene (EPE) Foam 1 mm thick	sqm	12.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8017	Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes fire rating)	metre	1400.00
8018	Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes fire rating) including hinges (without glass panels)	sqm	7000.00
8019	GI sheet 0.8 mm thick conforming to IS 277:1992	kg	69.00
8020	Factory made EPS Core wall panel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh, with 50 mm pitch in both the directions, connected by G.I. wire of 3 mm dia at alternate row by welding	sqm	621.00
8021	Bamboo wood Tile Flooring 14 mm thick, minimum 1800 mm length and minimum 100 mm wide	sqm	3790.50
8022	Bamboo wood Quarter Round 18 mm thick of size 1900 mm x 18 mm	metre	128.25
8023	Bamboo wood door reducer 14 mm thick of size 1900 mm x 44 mm	metre	289.75
8024	Bamboo wood Skirting 14 mm thick of size 1900 mm x 85 mm	metre	327.75
8025	Bamboo wood Tile Wall Cladding 10 mm thick, minimum 1800 mm length and minimum 100 mm wide	sqm	3562.50
8026	Bamboo wood T-mold 14 mm thick of size 1900 mm x 44 mm	metre	275.50
8027	Bamboo wood Threshold 14 mm thick of size 1900 mm x 44 mm	metre	275.50
8028	Bamboo wood shutter of doors	10 cudm	2018.75
8029	Bamboo wood panelling (10 mm thick)	10 cudm	2018.75
8030	Superior class Bamboo wood door frame 65 mm thick,	10 cudm	2018.75
8031	Aluminium sheets Grade 5052, 4 mm thick for wall panel/deck panel/ WRB panel/Kicker Panels/door closing panels (for form work)	sqm	8800.00
8032	Aluminium sheets Grade 5052, 4 mm thick for Internal Corner/ Column Corners/ (for form work)	sqm	13300.00
8033	Aluminium sheets Grade 5052, 4 mm thick for Mid Soldier/End soldier (for form work)	sqm	33050.00
	Accessories for aluminium form work		
8034	External corner 2050 mm	each	1500.00
8035	External corner 825 mm	each	650.00
8036	soldier tie 370 mm	each	333.00
8037	Adjustable prop-2.0 x2.0 m	each	1320.00
8038	Pin-50	each	15.00
8039	Pin-127	each	60.00
8040	wedge	each	10.00
8041	wall tie-150 (355 mm)	each	50.00
8042	Polythene Sleeve 90 x 150 mm	each	3.00
8043	Polythene Roll - 150 mm Long.	each	6.00
8044	Vertical Soldier -1100 mm	each	410.00
8045	Wall Attached Bracket 600x1000 mm	each	1090.00
8046	Allignment Pipe - 3.00 metre	each	1100.00
8047	Allignment Bracket	each	530.00
8048	Tie Rod for Bracket - 500 mm	each	132.00
8049	Anchor Wing Nut Ø100 mm	each	70.00
8050	Debit Pin - 250 mm	each	65.00
8051	PVC Pipe Ø20 mm - 150 mm long	each	5.00
8052	PVC Cone	each	5.00
8053	Bolt+Nut - 16 x 80 mm	each	40.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8054	Flat Washer Ø16, 3 mm thick	each	6.00
8055	Bolt+Nut - 16 x 30 mm	each	20.00
8056	Door spacer 45x45x5-1135 mm Long	each	400.00
8057	Door spacer 45x45x5-1135 mm Long	each	400.00
8100	Powder coated M.S. butt hinges 100 mm X58 mmX1.9 mm	10 Nos	145.00
8101	SS ball bearing of size 100 x89x3 mm	each	517.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door	each	546.00
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	3030.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each set	1455.00
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each set	1765.00
8121	uPVC extruded range R2 casement window frame size (39 mm & above) x (39 mm & above)	metre	224.00
8122	uPVC extruded range R2 casement window sash/window mullion size (39 mm & above) x (60 mm & above)	metre	248.00
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window	metre	130.00
8126	uPVC extruded range R4 casement window frame size (64 mm & above) x (50 mm & above)	metre	385.00
8127	uPVC extruded range R4 casement door frame size (64 mm & above) x (55 mm & above)	metre	440.00
8128	uPVC extruded range R4 casement window sash/window mullion/door mullion size (64 mm & above) x (70 mm & above)	metre	525.00
8129	uPVC extruded range R4 casement door sash size (64 mm & above) x (100 mm & above)	metre	630.00
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/ door	metre	160.00
8131	uPVC extruded glazing bead of appropriate dimension for range R2 sliding window sash	metre	76.00
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash	metre	98.00
8133	uPVC extruded range R2 2 track sliding window frame size (40 mm & above) x (40 mm & above)	metre	261.00
8134	uPVC extruded range R4 2 track sliding window/ door frame size (64 mm & above) x (45 mm & above)	metre	424.00
8135	uPVC extruded range R2 3 track sliding window frame size (70 mm & above) x (40 mm & above)	metre	430.00
8136	uPVC extruded range R4 3 track sliding window/ door frame size (115 mm & above) x (45 mm & above)	metre	628.00
8137	uPVC extruded range R2 sliding window sash size (25 mm & above) x (50 mm & above)	metre	282.00
8138	uPVC extruded range R4 sliding window sash size (44 mm & above) x (55 mm & above)	metre	345.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62 mm	metre	361.00
8140	uPVC extruded interlock of appropriate dimension for range R2 sliding sash	metre	110.00
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash	metre	120.00
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window/ door sash	metre	110.00
8143	uPVC extruded range R4 sliding door sash size (44 mm & above) x (85 mm & above)	metre	423.00
8144	Bamboo Mat corrugated sheets 3.5 to 4 mm thick conforming to IS 15476:2004	sqm	2891.00
8145	Bamboo Mat Ridge cap 3.5 to 4 mm thick conforming to IS 15476:2004	metre	2810.00
8146	3 mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	1713.00
8147	4 mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	1950.00
8148	6 mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	2322.00
8149	9 mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	2932.00
8150	12 mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	3373.00
8151	uPVC extruded range R1 casement window frame size (33 mm & above) x (35 mm & above)	metre	195.00
8152	uPVC extruded range R1 casement window sash/ window mullion size (33 mm & above) x (50 mm & above)	metre	295.00
8153	uPVC extruded range R1 glazing bead of appropriate dimension	metre	90.00
8154	uPVC extruded range R2 Sliding window 2.5 track frame size (65 mm & above) x (40 mm & above)	metre	338.00
8155	uPVC extruded range R2 Sliding fly screen window sash size (18 mm & above) x (40 mm & above) - for 2.5 Track frame only	metre	138.00
8156	uPVC extruded range R2 Casement french mullion size (39 mm & above) x (60 mm & above)	metre	342.00
8157	uPVC extruded range R3 2 track sliding window/door frame size (55 mm & above) x (40 mm & above)	metre	332.00
8158	uPVC extruded range R3 Sliding window 2.5 track frame size (85 mm & above) x (40 mm & above)	metre	365.00
8159	uPVC extruded range R3 3-track sliding window/door frame size (98 mm & above) x (40 mm & above)	metre	431.00
8160	uPVC extruded range R3 sliding window sash size (30 mm & above) x (55 mm & above)	metre	282.00
8161	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash range R3 size (30 mm & above) x (74 mm & above)	metre	361.00
8162	uPVC extruded range R3 Sliding fly screen window sash size (20 mm & above) x (50 mm & above) - 2.5 Track frame only	metre	153.00
8163	uPVC extruded interlock/ inline adaptor of appropriate dimension for range R3 sliding window/ door sash	metre	110.00
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash	metre	90.00
8165	uPVC extruded range R3 casement window frame size (55 mm & above) x (45 mm & above)	metre	276.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8166	uPVC extruded range R3 casement door frame size (55 mm & above) x (50 mm & above)	metre	344.00
8167	uPVC extruded range R3 Casement double rebate frame size (110 mm & above) x (45 mm & above)	metre	695.00
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/window mullion/door mullion size (55 mm & above) x (65 mm & above)	metre	448.00
8169	uPVC extruded range R3 casement door sash size (55 mm & above) x (85 mm & above)	metre	543.00
8170	uPVC extruded range R3 casement window fly screen sash size (30 mm & above) x (55 mm & above)	metre	236.00
8171	uPVC extruded range R3 Casement french mullion size (55 mm & above) x (60 mm & above)	metre	460.00
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door	metre	124.00
8173	uPVC extruded range R4 Casement french mullion size (64 mm & above) x (60 mm & above)	metre	495.00
8200	A.P.P. modified polymeric felt (two layers) 1.5 mm thick	sqm	90.00
8201	A.P.P. modified polymeric felt (two layers) 2 mm thick	sqm	130.00
8203	A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt	sqm	120.00
8204	A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt	sqm	145.00
8205	A.P.P. modified 3 mm thick membrane reinforced with polyester matt	sqm	160.00
8206	Bitumen primer for bitumen membrane	litre	95.00
8207	Geotextile 120 grams per sqm membrane	sqm	27.00
8210	Stainless steel screws 50 mm	100 Nos	320.00
8211	Stainless steel screws 40 mm	100 Nos	270.00
8212	Stainless steel screws 30 mm	100 Nos	255.00
8214	Stainless steel screws 20 mm	100 Nos	175.00
8215	Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked	10 Nos	388.00
8216	Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked	10 Nos	350.00
8217	Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked	10 Nos	225.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	170.00
8219	Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS :12817 marked	10 Nos	470.00
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS :12817 marked	10 Nos	345.00
8221	Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS :12817 marked	10 Nos	290.00
8222	M.S. heavy weight butt hinges 125x90x4.0 mm IS: 1341 marked.	10 Nos	250.00
8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	200.00
8224	M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked	10 Nos	125.00
8225	M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked	10 Nos	110.00
8226	Concealed zinc coated hinges 19-20 mm thick with mounting plate	10 Nos	570.00
8227	Stainless steel fancy handle	10 Nos	1150.00
8228	Soft closing stainless steel hinges	10 Sets	1750.00
8229	Stainless steel telescopic drawer channels 500 mm long	set	595.00
8230	Stainless steel (Grade-304) basket (readymade)	kg	310.00
8231	SS sliding door bolt of size 200x16 mm	each	125.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8232	SS tower bolt (plate type) size 200x10 mm	each	93.00
8233	SS handle 125 mm	each	70.00
8234	SS 304 grade 8 mm dia CSK Phillips stainless steel self tapping screws / fasteners with PA6 grade polyamide sleeves	each	25.00
8235	Factory made foam PVC moulded/extruded profile architrave of size 30 mm x 12 mm	metre	75.00
8300	1216 mm PE-AL-PE Composite pressure pipe	metre	53.00
8301	1620 mm PE-AL-PE Composite pressure pipe	metre	67.00
8302	2025 mm PE-AL-PE Composite pressure pipe	metre	95.00
8303	2532 mm PE-AL-PE Composite pressure pipe	metre	146.00
8304	3240 mm PE-AL-PE Composite pressure pipe	metre	190.00
8305	4050 mm PE-AL-PE Composite pressure pipe	metre	328.00
8306	PPR Union 20 mm	each	38.00
8307	PPR Union 25 mm	each	51.00
8308	PPR Union 32 mm	each	100.00
8309	PPR Union 40 mm	each	198.00
8310	PPR Union 50 mm	each	366.00
8311	PPR Union 63 mm	each	458.00
8312	PPR Union 75 mm	each	1000.00
8500	Water for jetting / blowback	1000 litre	1450.00
8501	Polymer modified cementation coating	kg	170.00
8502	Fibre glass cloth	sqm	35.00
8504	Multi surface paint	litre	350.00
8505	Acrylic exterior paint	litre	170.00
8506	Premium Acrylic exterior paint	litre	250.00
8507	Textured exterior paint	litre	185.00
8508	Primer for cement paint	litre	100.00
8509	Special Primer (C.W.)	litre	180.00
8510	Metal Primer (U.G.)	litre	120.00
8511	Fibre reinforced elastomeric liquid water proofing membrane	litre	255.00
8512	Cementitious water proofing coating with elastic polymers	kg	170.00
8513	Acrylic modified resin based texture	kg	50.00
8514	40 mm long S.S screws with plastic rawl plugs	100 Nos.	50.00
8515	Galavanised MS 8 mm outer diameter M-6 dash fastener 50 mm long	each	50.00
8516	ZMB 60/equivalent	kg	130.00
8517	ZMB thinner	litre	250.00
8518	Zycoprime / equivalent	litre	170.00
8519	Zycosil / equivalent	litre	1440.00
8520	Elastobar / equivalent	kg	300.00
8552	Mineral fibre beveled tegular edged ceiling tiles 595 x595 mm,16 mm thick	sqm	920.00
8553	Mineral fibre beveled tegular edged ceiling tiles 595 x595 mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications.	sqm	1020.00
8554	Mineral fiber beveled tegular edged ceiling tiles 595 x595 mm,20 mm thick.	sqm	1170.00
8555	G.I main runner 15 x32 mm of 3000 mm length, 0.33 mm thick	each	142.00
8556	G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick	each	57.00
8557	G.I cross-T 15 x32 mm of 600 mm length, 0.33 mm thick	each	29.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8558	G.I hanger rod 6 mm dia fully threaded upto 1000 mm length	each	17.00
8559	Stainless steel U Channel of size (50x25x2 mm)	metre	176.00
8560	Non staining water resistant clear silicon	metre	80.00
8561	Extruded polystyrene rigid insulation board 50 mm thick	sqm	610.00
8562	Expanded Polystyrene insulation board 120 mm thick conforming to IS 4671-1984, Fire retardant property self-extinguishing type as per EN 13501-1	sqm	880.00
8563	15 mm thick, light weight, integral densified micro look edged,false ceiling tiles of size 595x595 mm.	sqm	925.00
8564	15 mm thick, light weight,fully perforated square/butt edge integral densified,false ceiling tiles of size 595x595 mm.	sqm	905.00
8565	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length	each	17.00
8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long)	each	296.00
8567	Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000 mm long)	each	131.00
8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long)	each	120.00
8569	Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40 mm (600 mm long)	each	60.00
8570	GI Main T ceiling section 30x25x0.3 mm (3 metre long)	each	240.00
8571	GI Perimeter wall angle 25x25x0.4 mm (3 metre long)	each	200.00
8572	GI Intermediate cross T section 25x25x0.3 mm (1.2 metre long)	each	90.00
8573	GI Intermediate cross T section 25x25x0.3 mm (0.6 metre long)	each	45.00
8576	Powder coated Galvanized Iron intermediate cross-T section wire diameter 3.00 mm).	sqm	230.00
8577	Crates made of Mesh type 10x12 (D=100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).	sqm	280.00
8578	Crates made of Mesh type 10x12 (D=100 mm) Zn+10% Al alloy +PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).	sqm	320.00
8579	Cold form light gauge Steel C-section of thickness 0.75 mm i/c zink coating/sliting etc.	kg	160.00
8580	Wastage of cold form light gauge steel	kg	22.00
8581	12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of size 595x595 mm	sqm	605.00
8582	12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of size 595x595 mm	sqm	642.00
8583	10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced Gypsum) false celing tiles of size 595x595 mm	sqm	764.00
8588	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length	each	17.00
8589	Calcium Silicate tegular edged celling tiles 595x595 mm and 15 mm thick on edges	sqm	822.00
8590	Galvanised Steel main Tee ceiling section size 24x38x0.33 mm (3 metre long)	each	167.00
8591	Galvanised Steel perimeter wall Angle size 24 x 24 x 0.40 mm (3.00 metre long)	each	114.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8592	Galvanised Steel intermediate cross T section size 24 x 25 x 0.33 mm (1.2 metre long)	each	54.00
8593	Galvanised Steel intermediate cross T section size 24 x 25 x 0.33 mm (0.6 metre long)	each	27.00
8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	5.50
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	1.50
8596	Galvanised MS 8 mm outer diameter M-6 dash fastener 25 mm long	each	15.00
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	793.00
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	882.00
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick	sqm	701.00
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick	sqm	812.00
8601	PVC Laminated Gypsum Tiles (Square edge) of size 595x595 mm and 12.5 mm thick	sqm	910.00
8602	Gypsum Tiles Fully Perforated Square edge of size 595x595 mm and 12.5 mm thick	sqm	450.00
8604	Spring T-section 24x34x0.45 mm (3.00 metre long)	metre	240.00
8605	C Wall angle section 20x30x20x0.50 mm (3.00 metre long)	metre	115.00
8606	Main C Carrier size 10x38x10x0.70 mm (3.00 metre long)	metre	135.00
8607	Spring T-connector	each	6.00
8608	C Carrier Connector	each	13.00
8609	C Suspension Clip	each	11.00
8610	Wire Coupling Clip	each	11.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	141.00
8612	Perimeter wall angle 24 x 24 x 0.3 mm (3 metre long)	each	87.00
8613	Intermediate cross T-Section 24x25x0.3 mm (1.2 m long)	each	44.00
8614	Intermediate cross T-Section 24x25x0.3 mm (0.6 m long)	each	22.00
8615	Hanger rod 4 mm thick	each	11.00
8616	Adjustment clip 85x30x0.8 mm	each	7.00
8617	Soffit cleat (Size 27x37x25x1.60 mm)	each	6.00
8618	Dash fastener 6 mm dia 50 mm long	each	13.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	18.00
8620	Vitrified floor tile 50x50 cm conforming to IS 15622:2006 group (B1a)	sqm	530.00
8621	Vitrified floor tile 60x60 cm conforming to IS 15622:2006 group (B1a)	sqm	550.00
8622	Vitrified floor tile 80x80 cm conforming to IS 15622:2006 group (B1a)	sqm	780.00
8623	Vitrified floor tile 100x100 cm conforming to IS 15622:2006 group (B1a)	sqm	920.00
8624	Border tiles 200x75 mm size	each	20.00
8626	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 20 mm Outer dia	metre	35.00
8627	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 25 mm Outer dia	metre	50.00
8628	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 32 mm Outer dia	metre	80.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8629	Poly propylene- Random - Co - Polymer (PPR) pipes PN-16 (SDR 7.4) - 40 mm Outer dia	metre	130.00
8630	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 50 mm Outer dia	metre	151.00
8631	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 63 mm Outer dia	metre	210.00
8632	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 75 mm Outer dia	metre	268.00
8633	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 90 mm Outer dia	metre	386.00
8634	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 110 mm Outer dia	metre	577.00
8635	Poly propylene- Random - Co - Polymer (PPR) pipes PN-10 (SDR 11) - 160 mm Outer dia	metre	1324.00
8636	Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm nominal dia	metre	43.00
8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm nominal dia	metre	59.00
8638	Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm nominal dia	metre	95.00
8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm nominal dia	metre	140.00
8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm nominal dia	metre	200.00
8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm nominal dia	metre	325.00
8642	Chlorinated Polyvinyl - chloride (CPVC) pipe 65 mm nominal dia	metre	776.00
8643	Chlorinated Polyvinyl - chloride (CPVC) pipe 80 mm nominal dia	metre	1042.00
8644	Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm nominal dia	metre	1598.00
8645	Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm nominal dia	metre	3426.00
8646	Weather Silicon sealant	cartridge	125.00
8647	Stainless steel screws 30 mm x4 mm	100 Nos	42.00
8648	Hermetically sealed double glazed unit made with 6 mm thick clear float glass both side having 12 mm air gap	sqm	2600.00
8649	Stainless steel (SS 304 grade) adjustable friction window stay 205 x 19 mm	each	218.00
8650	Stainless steel (SS 304 grade) adjustable friction window stay 255 x 19 mm	each	248.00
8651	Stainless steel (SS 304 grade) adjustable friction window stay 355 x 19 mm	each	205.00
8652	Stainless steel (SS 304 grade) adjustable friction window stay 510 x 19 mm	each	540.00
8653	Stainless steel (SS 304 grade) adjustable friction window stay 710 x 19 mm	each	1015.00
8654	Masking tape	metre	2.00
8655	Autoclaved aerated cement (AAC) blocks	cum	2915.00
8656	Gypsum panel 666 X 500 X 100 mm size	sqm	528.00
8657	Bonding plaster for Gypsum panel	kg	28.00
8658	Precast C&D waste concrete block	1000 Nos	30100.00
8659	Water proof ply 12 mm thick	sqm	578.00
8660	Aluminium casement window fastener (Anodised AC 15)	each	55.00
8661	Aluminium casement window fastener (powder coated)	each	61.00
8662	Aluminium casement window fastener (polyester powder coated)	each	59.00
8663	Aluminium round shape handle (anodised AC 15) outer dia 100 mm	each	68.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8664	Aluminium round shape handle (powder coated) outer dia 100 mm	each	69.00
8665	Aluminium round shape handle (polyester powder coated) outer dia 100 mm	each	71.00
8666	Stainless steel screws 25 mm x4 mm	100 Nos	46.00
8667	UV stabilised 2 mm thick plain FRP sheet	sqm	504.00
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	588.00
8669	Mangalore ridge tiles 20 mm thick	each	10.00
8670	Mangalore tiles 20 mm thick	each	10.00
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	380.00
8672	Precoated galvanised steel plain ridges 0.50 mm TCT and 500-600 mm wide	metre	248.00
8673	Precoated galvanised steel flashings/aprons 0.50 mm TCT and upto 600 mm wide	metre	259.00
8674	Precoated galvanised steel gutter 600 mm overall girth	metre	484.00
8675	Precoated galvanised steel north light curves	metre	264.00
8676	Precoated galvanised steel barge board (upto 300 mm)	metre	253.00
8677	Precoated galvanised steel crimp curve	sqm	259.00
8678	1 mm thick 35 mm wide bright finished stainless steel piano hinges	metre	52.00
8682	Epoxy Grout	kg	418.00
8683	Red sand stone gang saw cut 30 mm thick	sqm	524.00
8684	White sand stone gang saw cut 30 mm thick	sqm	616.00
8685	Delineator	each	370.00
8686	Precast C.C. Kerb stone M - 25 (including carriage)	cum	6160.00
8687	Thermoplastic paint	kg	73.00
8688	Glass beads	kg	77.50
8689	Interlocking C.C. paver block (60 mm thick, M-30) (including carriage)	sqm	400.00
8690	High intensity retro - reflective sheet as per IRC 67-2001	sqm	1345.00
8691	Punched tape concertina coil 600 mm dia 10 m openable length (Total length 90 m)	bundle	720.00
8692	RBT reinforced barbed wire	metre	8.00
8693	Turn buckle and strengthening bolt	each set	46.00
8694	Precast pavement slab 450 x 450 x 50 mm (M - 30)	each	160.00
8695	Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm	sqm	330.00
8696	Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm, PVC coated to outer dia 5 mm	sqm	363.00
8697	Chain link fabric fencing mesh of size 25x25 mm made of G.I. wire of dia 3 mm	sqm	418.00
8698	Stainless steel cramps(weight 260 grams) with nuts, bolts and washer for dry stone cladding	each	127.00
8699	8 mm thick tapered edge calcium silicate board	sqm	297.00
8700	10 mm thick calcium silicate board	sqm	462.00
8701	SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia	metre	678.00
8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe	each	66.00
8703	Telescopic drawer channels 300 mm long	set	264.00
8704	Stainless steel roller for sliding arrangement in racks/ cupboards/ cabinets shutter	each	12.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8705	50 mmX42 mmX2 mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	183.00
8706	25 mm thick factory made PVC flush door shutter i/c carriage	sqm	1870.00
8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage	metre	350.00
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage	sqm	2290.00
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	2150.00
8710	Factory made solid PVC door frame 60 x 30 mm i/c carriage	metre	325.00
8711	20 mm factory made solid PVC panel door shutter i/c carriage	sqm	2010.00
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish	sqm	1880.00
8713	Fiber glass reinforced plastic chajja	sqm	2950.00
8714	Magnetic catcher triple strip vertical type	each	31.00
8715	Magnetic catcher double strip horizontal type	each	22.00
8716	100 mm mortice lock with 6 levers for aluminium door	each	475.00
8717	Solid PVC foam door shutter with style and rails of minimum 70 mm x 28 mm and 3 mm thick high pressure laminate panel insert of approved colour and shade (as per standard specification of manufacturer)	sqm	2530.00
8719	2nd class teak wood moulded beading or Taj beading/ornamental beading of size 18X5 mm	metre	33.00
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm	metre	42.00
8721	Perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm	metre	25.00
8722	Nylon sleeves & wooden screws (40 mm)	each	3.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	84.00
8724	12 mm thick marine plywood conforming to IS: 710	sqm	785.00
8725	12 mm thick fire retardant plywood conforming to IS: 5509	sqm	954.00
8726	1.5 mm thick decorative laminated sheet	sqm	418.00
8727	1.0 mm thick decorative laminated sheet	sqm	323.00
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage	sqm	2830.00
8731	High polymer modified quickset tile adhesive	kg	10.00
8732	Synthetic ployster triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	395.50
8733	Synthetic ployster triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	440.50
8734	P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm	metre	292.00
8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished)	sqm	2475.00
8736	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (wood grain finished)	sqm	2978.00
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50 mm dia wire	sqm	445.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8738	Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermuculite based concrete mix	metre	1168.00
8739	Fire rated door shutter made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	5172.00
8740	Fire seal Putty	kg	334.00
8741	Clear fire resistant glass panes 6 mm thick (60 minutes)	sqm	23650.00
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/ m²) with ceramic tape of suitable thickness and fire resistant primer coating	metre	333.00
8743	Matrix Mineral Board	metre	74.00
8744	Panic Bar / latch (Double point)	each	5720.00
8745	65 mm x 55 mm x 2 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	388.00
8746	37 mm thick Factory made shutter with style,rails and panels of PVC extruded section in white or grey finish i/c carriage	sqm	2578.00
8747	75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	487.00
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	2779.00
8749	Zinc alloy (white powder coated) touch lock with hook for wire mesh shutter	each	153.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window/ door	each	150.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window/door	each	131.00
8752	Zinc alloy/ SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	69.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door/window	each	118.00
8754	Zinc alloy (white powder coated) cresent lock for uPVC sliding door/ window	each	127.00
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	244.00
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	273.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	299.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	415.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	405.00
8760	Glass panes of required thickness having 60 minutes of fire resistance both integrity and radiation control (EI 60) and minimum 20 minutes of insulation (EI 20)	sqm	23900.00
8761	Scaffolding net made of high density polyethylene UV stabilized having density 100 gm/sqm	sqm	24.00
8772	Aluminium Track on bottom rail for uPVC window	metre	40.00
8773	Wool pile/ weather pile strip for uPVC sliding window	metre	22.00
8774	Aluminium Grill as per IS 1868	kg	294.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8775	Steel Galvanised tubular reinforcement for uPVC door/ window	metre	65.00
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	19.00
8777	GI Fastener 100x8 mm	each	17.00
8778	Toughened glass 12 mm thickness	sqm	1925.00
8779	SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia	metre	155.00
8780	SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia	metre	275.00
8781	SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia	metre	345.00
8782	SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia	metre	485.00
8783	SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia	metre	505.00
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	625.00
8785	Coloured C.C. inter locking paver Block (80 mm thick, M-35) (including carriage)	sqm	484.00
8786	Coupling/Socket fittings for 22.22 mm outer dia SS pipe	each	80.00
8787	Coupling/Socket fittings for 28.58 mm outer dia SS pipe	each	110.00
8788	Coupling/Socket fittings for 34.00 mm outer dia SS pipe	each	150.00
8789	Coupling/Socket fittings for 42.70 mm outer dia SS pipe	each	180.00
8790	Coupling/Socket fittings for 48.60 mm outer dia SS pipe	each	205.00
8791	Reducer for 22.22 mm X 15.88 mm outer dia SS pipe	each	98.00
8792	Reducer for 28.58 mm X 15.88 mm outer dia SS pipe	each	131.00
8793	Reducer for 28.58 mm X 22.22 mm outer dia SS pipe	each	133.00
8794	Reducer for 34.00 mm X 15.88 mm outer dia SS pipe	each	220.00
8795	Reducer for 34.00 mm X 22.22 mm outer dia SS pipe	each	230.00
8796	Reducer for 34.00 mm X 28.58 mm outer dia SS pipe	each	230.00
8797	Reducer for 42.70 mm X 15.88 mm outer dia SS pipe	each	364.00
8798	Reducer for 42.70 mm X 22.22 mm outer dia SS pipe	each	372.00
8799	Reducer for 42.70 mm X 28.58 mm outer dia SS pipe	each	426.00
8800	Reducer for 42.70 mm X 34.00 mm outer dia SS pipe	each	452.00
8801	Reducer for 48.60 mm X 15.88 mm outer dia SS pipe	each	452.00
8802	Reducer for 48.60 mm X 22.22 mm outer dia SS pipe	each	452.00
8803	Reducer for 48.60 mm X 28.58 mm outer dia SS pipe	each	452.00
8804	Reducer for 48.60 mm X 34.00 mm outer dia SS pipe	each	467.00
8805	Reducer for48.60 mm X 42.70 mm outer dia SS pipe	each	469.00
8806	Slip Coupling / Socket 15.88 mm outer dia SS pipe	each	65.00
8807	Slip Coupling / Socket 22.22 mm outer dia SS pipe	each	80.00
8808	Slip Coupling / Socket 28.58 mm outer dia SS pipe	each	110.00
8809	Slip Coupling / Socket 34.00 mm outer dia SS pipe	each	155.00
8810	Slip Coupling / Socket 42.70 mm outer dia SS pipe	each	180.00
8811	Slip Coupling / Socket 48.60 mm outer dia SS pipe	each	195.00
8812	Elbow 90° for 15.88 mm outer dia SS pipe	each	70.00
8813	Elbow 90° for 22.22 mm outer dia SS pipe	each	80.00
8814	Elbow 90° for 28.58 mm outer dia SS pipe	each	115.00
8815	Elbow 90° for 34.00 mm outer dia SS pipe	each	144.00
8816	Elbow 90° for 42.70 mm outer dia SS pipe	each	156.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8817	Elbow 90° for 48.60 mm outer dia SS pipe	each	192.00
8818	Reducing Elbow 90° for 22.22 mm X 15.88 mm outer dia SS pipe	each	157.00
8819	Reducing Elbow 90° for 28.58 mm X 15.88 mm outer dia SS pipe	each	214.00
8820	Reducing Elbow 90° for 28.58 mm X 22.22 mm outer dia SS pipe	each	224.00
8821	Reducing Elbow 90° for 34.00 mm X 22.22 mm outer dia SS pipe	each	300.00
8822	Reducing Elbow 90° for 34.00 mm X 28.58 mm outer dia SS pipe	each	360.00
8823	Reducing Elbow 90° for 42.70 mm X 34.00 mm outer dia SS pipe	each	390.00
8824	Equal Tee for 15.88 mm outer dia SS pipe	each	139.00
8825	Equal Tee for 22.22 mm outer dia SS pipe	each	211.00
8826	Equal Tee for 28.58 mm outer dia SS pipe	each	328.00
8827	Equal Tee for 34.00 mm outer dia SS pipe	each	484.00
8828	Equal Tee for 42.70 mm outer dia SS pipe	each	765.00
8829	Equal Tee for 48.60 mm outer dia SS pipe	each	1005.00
8830	Reducing Tee for 22.22 mm X 15.88 mm outer dia SS pipe	each	189.00
8831	Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe	each	251.00
8832	Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe	each	255.00
8833	Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe	each	445.00
8834	Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe	each	460.00
8835	Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe	each	475.00
8836	Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe	each	735.00
8837	Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe	each	750.00
8838	Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe	each	770.00
8839	Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe	each	790.00
8840	Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe	each	900.00
8841	Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe	each	911.00
8842	Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe	each	928.00
8843	Reducing Tee for 48.60 mm X 34.00 mm outer dia SS pipe	each	965.00
8844	Reducing Tee for 48.60 mm X 42.70 mm outer dia SS pipe	each	985.00
8845	Stainless steel Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	205.00
8846	Stainless steel Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	235.00
8847	Stainless steel Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	250.00
8848	Stainless steel Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	315.00
8849	Stainless steel Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	325.00
8850	Stainless steel Male thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	335.00
8851	Stainless steel Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	465.00
8852	Stainless steel Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	475.00
8853	Stainless steel Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	495.00
8854	Stainless steel Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	515.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8855	Stainless steel Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	710.00
8856	Stainless steel Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	725.00
8857	Stainless steel Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	765.00
8858	Stainless steel Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	795.00
8859	Stainless steel Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	825.00
8860	Stainless steel Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	995.00
8861	Stainless steel Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	1014.00
8862	Stainless steel Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	1025.00
8863	Stainless steel Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	1050.00
8864	Stainless steel Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	1080.00
8865	Stainless steel Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1115.00
8866	Stainless steel Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	195.00
8867	Stainless steel Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	215.00
8868	Stainless steel Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	225.00
8869	Stainless steel Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	285.00
8870	Stainless steel Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	295.00
8871	Stainless steel Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	305.00
8872	Stainless steel Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	455.00
8873	Stainless steel Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	485.00
8874	Stainless steel Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	515.00
8875	Stainless steel Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	545.00
8876	Stainless steel Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	700.00
8877	Stainless steel Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	710.00
8878	Stainless steel Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	730.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8879	Stainless steel Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	750.00
8880	Stainless steel Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	805.00
8881	Stainless steel Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	905.00
8882	Stainless steel Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	915.00
8883	Stainless steel Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	930.00
8884	Stainless steel Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	980.00
8885	Stainless steel Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	1005.00
8886	Stainless steel Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1085.00
8887	Stainless steel Female threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded	each	186.00
8888	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded	each	205.00
8889	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded	each	237.00
8890	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 15 mm nominal threaded	each	277.00
8891	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded	each	290.00
8892	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded	each	355.00
8893	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded	each	450.00
8894	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded	each	540.00
8895	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded	each	670.00
8896	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded	each	705.00
8897	Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	905.00
8898	Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded	each	975.00
8899	Stainless steel Male threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded	each	176.00
8900	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded	each	189.00
8901	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded	each	211.00
8902	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded	each	322.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8903	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded	each	324.00
8904	Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded	each	475.00
8905	Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded	each	565.00
8906	Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded	each	715.00
8907	Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded	each	730.00
8908	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	935.00
8909	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded	each	1140.00
8910	Stainless steel Valve Connector for 15.88 mm outer dia X 15 mm nominal dia threaded	each	223.00
8911	Stainless steel Valve Connector for 22.22 mm outer dia X 15 mm nominal dia threaded	each	256.00
8912	Stainless steel Valve Connector for 22.22 mm outer dia X 20 mm nominal dia threaded	each	278.00
8913	Stainless steel Valve Connector for 28.58 mm outer dia X 25 mm nominal dia threaded	each	425.00
8914	Stainless steel Valve Connector for 34.00 mm outer dia X 32 mm nominal dia threaded	each	645.00
8915	Stainless steel Valve Connector for 42.70 mm outer dia X 40 mm nominal dia threaded	each	913.00
8916	Stainless steel Valve Connector for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1235.00
8917	SS Female Threaded Elbow 90° for 15.88 mm outer dia X 15 mm nominal dia threaded	each	190.00
8918	Stainless steel Female Threaded Elbow 90° for 22.22 mm outer dia X 15 mm nominal dia threaded	each	215.00
8919	Stainless steel Female Threaded Elbow 90° for 22.22 mm outer dia X 20 mm nominal dia threaded	each	240.00
8920	Stainless steel Female Threaded Elbow 90° for 28.58 mm outer dia X 25 mm nominal dia threaded	each	260.00
8921	Stainless steel Female Threaded Elbow 90° for 34.00 mm outer dia X 32 mm nominal dia threaded	each	335.00
8922	Stainless steel Female Threaded Elbow 90° for 42.70 mm outer dia X 32 mm nominal dia threaded	each	530.00
8923	Stainless steel Female Threaded Elbow 90° for 42.70 mm outer dia X40 mm nominal dia threaded	each	530.00
8924	Stainless steel Female Threaded Elbow 90° for 48.60 mm outer dia X 40 mm nominal dia threaded	each	790.00
8925	Stainless steel Female Threaded Elbow 90° for 48.60 mm outer dia X 50 mm nominal dia threaded	each	790.00
8926	Stainless steel Male Threaded Elbow 90° for 15.88 mm outer dia X15 mm nominal dia threaded	each	229.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8927	Stainless steel Male Threaded Elbow 90° for 22.22 mm outer dia X15 mm nominal dia threaded	each	250.00
8928	Stainless steel Male Threaded Elbow 90° for 22.22 mm outer dia X20 mm nominal dia threaded	each	265.00
8929	Stainless steel Male Threaded Elbow 90° for 28.58 mm outer dia X25 mm nominal dia threaded	each	285.00
8930	Stainless steel MaleThreaded Elbow 90° for 34.00 mm outer dia X25 mm nominal dia threaded	each	315.00
8931	Stainless steel Male Threaded Elbow 90° for 34.00 mm outer dia X32 mm nominal dia threaded	each	315.00
8932	Stainless steel Male Threaded Elbow 90° for 42.70 mm outer dia X32 mm nominal dia threaded	each	480.00
8933	Stainless steel Male Threaded Elbow 90° for 42.70 mm outer dia X40 mm nominal dia threaded	each	530.00
8934	Stainless steel Male Threaded Elbow 90° for 48.60 mm outer dia X40 mm nominal dia threaded	each	765.00
8935	Stainless steel Male Threaded Elbow 90° for 48.60 mm outer dia X50 mm nominal dia threaded	each	835.00
8936	Stainless steel Cap for 15.88 mm outer dia pipe	each	41.00
8937	Stainless steel Cap for 22.22 mm outer dia pipe	each	60.00
8938	Stainless steel Cap for 28.58 mm outer dia pipe	each	86.00
8939	Stainless steel Cap for 34.00 mm outer dia pipe	each	165.00
8940	Stainless steel Cap for 42.70 mm outer dia pipe	each	241.00
8941	Stainless steel Cap for 48.60 mm outer dia pipe	each	300.00
8942	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe	each	96.00
8943	Stainless steel Pipe Bridge for 22.22 mm outer dia pipe	each	169.00
8944	Stainless steel Pipe Bridge for 28.58 mm outer dia pipe	each	272.00
8945	4 Point facade glass bracket without flat head bolts	each	3650.00
8946	2 Point facade glass bracket (wall mounted with out flat head bolt)	each	1825.00
8947	1 Point facade glass bracket (wall mounted with out flat head bolt)	each	1430.00
8948	Flat head bolt for brackets of spider glazing	each	716.00
8949	400 mm long fin plate without fastners	pair	6524.00
8953	Micro Silica	kg	25.00
8954	Stop end tubes for diaphragm wall 600 mm dia.	sqm	5.00
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	79.00
8956	Bi-Axial Extruded Geogrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction	sqm	138.00
8957	Bi-Axial Extruded Geogrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction	sqm	155.00
8958	Bi-Axial Extruded Geogrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction	sqm	235.00
8959	Bi-Axial Extruded Geogrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction	sqm	333.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8960	Geosynthetic Drainage with two filtering nonwoven geotextiles having a “W” configuration as longitudinal parallel channels. Minimum thickness to be 7.2 mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75 mm having pores of 150 micron and tensile strength of 8.0 kN/m and having plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure,tensile strength of 18 kN/m , with mass per unit area of 740 gsm.	sqm	609.00
8961	Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlayed ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven geotextile having mass per unit area 130 g/m2 and tensile strength of 8.0 kN/m having in plane flow capacity of 0.7 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/m , with mass per unit area of 830 gsm,	sqm	724.00
8962	Synthetic Geogrid having Ultimate tensile strength- 100 kN/m	sqm	230.00
8963	Synthetic Geogrid Ultimate tensile strength- 150 kN/m	sqm	241.00
8964	Synthetic Geogrid Ultimate tensile strength- 200 kN/m	sqm	391.00
8965	Synthetic Geogrid Ultimate tensile strength- 250 kN/m	sqm	402.00
8966	Synthetic Geogrid Ultimate tensile strength- 300kN/m	sqm	414.00
8967	Synthetic Geogrid Ultimate tensile strength- 350kN/m	sqm	425.00
8968	Synthetic Geogrid Ultimate tensile strength- 400kN/m	sqm	517.00
8969	Synthetic Geogrid Ultimate tensile strength- 500kN/m	sqm	575.00
8970	Synthetic Geogrid Ultimate tensile strength- 600kN/m	sqm	632.00
8971	Synthetic Geogrid Ultimate tensile strength- 700kN/m	sqm	747.00
8972	Synthetic Geogrid Ultimate tensile strength- 800kN/m	sqm	833.00
8973	Synthetic Geogrid Ultimate tensile strength- 900kN/m	sqm	977.00
8974	Synthetic Geogrid Ultimate tensile strength- 1000kN/m	sqm	1092.00
8975	Synthetic Geogrid Ultimate tensile strength- 1100kN/m	sqm	1150.00
8976	Synthetic Geogrid Ultimate tensile strength- 1200kN/m	sqm	1207.00
8977	Aluminium profile industrial troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS 737, IS 2676, 0.71 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm.	sqm	660.00
8978	Aluminium profile industrial troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS 737, IS 2676, 0.91 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm.	sqm	864.00
8979	Uni Axial Woven polyster geogrid of minimum tensile strength 40KN/m in the Longitudinal direction and 20 KN/m in the Transverse direction.	sqm	159.00
8980	Uni Axial Woven polyster geogrid of minimum tensile strength 60KN/m in the Longitudinal direction and 20 KN/m in the Transverse direction	sqm	185.00
8981	Uni Axial Woven polyster geogrid of minimum tensile strength 80 KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	235.00
8982	Uni Axial Woven polyster geogrid of minimum tensile strength 100KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	272.00
8983	Uni Axial Woven polyster geogrid of minimum tensile strength 120KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	292.00

Code No.	Description	Unit	Basic rate as on or just before 01.04.2023 ₹
8984	Uni Axial Woven polyster geogrid of minimum tensile strength 150KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	366.00
8985	Uni Axial Woven polyster geogrid of minimum tensile strength 200KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	431.00
8986	Uni Axial Woven polyster geogrid of minimum tensile strength 250KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	526.00
8987	Uni Axial Woven polyster geogrid of minimum tensile strength 300KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	608.00
8988	Bi Axial Woven polyster geogrid of minimum tensile strength 20KN/m in both Longitudinal and Transverse direction.	sqm	131.00
8989	Bi Axial Woven polyster geogrid of minimume tensile strength 40KN/m in both Longitudinal and Transverse direction.	sqm	198.00
8990	Bi Axial Woven polyster geogrid of minimum tensile strength 60KN/m in both Longitudinal and Transverse direction.	sqm	256.00
8991	Standard double panel of design width, height and thickness with minimum weight of panel as 11.05 kg per sqm	sqm	2071.00
8992	Corner pieces L-Shape	sqm	813.00
8993	Flat strips for soffits	sqm	832.00
8994	G.I binding wire	sqm	66.00
8995	Single panel (Weight not less than 4.05 kg/sqm)	sqm	832.00
8996	125 mm / 165 mm wide Stay in Place Wallform 2.50 mm thick of extruded Unplasticised Poly Vinyl Chloride (uPVC).	kg	160.00
9001	C.P. Brass Centre Hole Basin Mixer With Cast Spout	each	1760.00
9977	Carriage	L.S.	2.27
9988	Carriage and sundries	L.S.	2.27
9999	Sundries	L.S.	2.27

***Note: Carriage codes rates are taken as 0.00 for the material having rates F.O.R. at site**

SUB HEAD : 1.0

CARRIAGE OF MATERIALS

CARRIAGE OF MATERIALS

DATA SHEET NO 1 FOR ANALYSIS OF RATES

1.1 By Mechanical Transport including loading, unloading and stacking:

Code	Name	Unit	Rate
0084	Hire charges of truck without POL	Day	2250.00
0114	Beldar	Day	736.00
0115	Coolie	Day	736.00
1235	High Speed Diesel	Litre	89.62

Lead in km (L)		Average speed (S) N=8/(2L/S)+1 (2NL+6)		Nos of Trips	Nos of km Done in one Day	Litres of Diesel consumed @ 5 km. per Litre	Cost of Diesel (-1235) @ Rs. Per Litre	Cost of 6 Beldars (0114) @ Rs. Per Day	Hire charges of truck (0084) @ Rs. Per Day	Total Cost including entry tax= 6+7+8 in Rs.	Cost per Trip = col. 9/ col. 3 in Rs.	Increase of cost per km over previous km in Rs.	Average cost per additional km after first 5,10 and 20 km in Rs.
1		2		3	4	5	6	7	8	9	10	11	12
1	km	16.00	km	7.11	20.22	4.04	362.06	4416.00	2250.00	7028.06	988.48		
2	km	17.00	km	6.48	31.92	6.38	571.78	4416.00	2250.00	7237.78	1116.94		
3	km	17.50	km	5.96	41.76	8.35	748.33	4416.00	2250.00	7414.33	1244.02		
4	km	18.00	km	5.54	50.32	10.06	901.58	4416.00	2250.00	7567.58	1365.99		
5	km	18.50	km	5.19	57.90	11.58	1037.80	4416.00	2250.00	7703.80	1484.35		
6	km	19.00	km	4.90	64.80	12.96	1161.48	4416.00	2250.00	7827.48	1597.44	113.09	
7	km	19.50	km	4.66	71.24	14.25	1277.09	4416.00	2250.00	7943.09	1704.53	107.09	
8	km	20.00	km	4.44	77.04	15.41	1381.04	4416.00	2250.00	8047.04	1812.40	107.87	105.24
9	km	20.50	km	4.26	82.68	16.54	1482.31	4416.00	2250.00	8148.31	1912.75	100.35	
10	km	21.00	km	4.10	88.00	17.60	1577.31	4416.00	2250.00	8243.31	2010.56	97.81	
11	km	21.50	km	3.95	92.90	18.58	1665.14	4416.00	2250.00	8331.14	2109.15	98.59	
12	km	22.00	km	3.83	97.92	19.58	1754.76	4416.00	2250.00	8420.76	2198.63	89.48	
13	km	22.50	km	3.71	102.46	20.49	1836.31	4416.00	2250.00	8502.31	2291.73	93.10	
14	km	23.00	km	3.61	107.08	21.42	1919.66	4416.00	2250.00	8585.66	2378.30	86.57	85.67
15	km	23.50	km	3.51	111.30	22.26	1994.94	4416.00	2250.00	8660.94	2467.50	89.20	
16	km	24.00	km	3.43	115.76	23.15	2074.70	4416.00	2250.00	8740.70	2548.31	80.81	

Lead in km (L)		Average speed (S) N=8/(2L/S)+1 (2NL+6)		Nos of Trips	Nos of km Done in one Day	Litres of Diesel consumed @ 5 km. per Litre	Cost of Diesel (-1235) @ Rs. Per Litre	Cost of 6 Beldars (0114) @ Rs. Per Day	Hire charges of truck (0084) @ Rs. Per Day	Total Cost including entry tax= 6+7+8 in Rs.	Cost per Trip = col. 9/ col. 3 in Rs.	Increase of cost per km over previous km in Rs.	Average cost per additional km after first 5,10 and 20 km in Rs.
17	km	24.50	km	3.35	119.90	23.98	2149.09	4416.00	2250.00	8815.09	2631.37	83.06	
18	km	25.00	km	3.28	124.08	24.82	2224.37	4416.00	2250.00	8890.37	2710.48	79.11	
19	km	25.50	km	3.21	127.98	25.60	2294.27	4416.00	2250.00	8960.27	2791.36	80.88	
20	km	26.00	km	3.15	132.00	26.40	2365.97	4416.00	2250.00	9031.97	2867.29	75.93	
21	km	26.50	km	3.09	135.78	27.16	2434.08	4416.00	2250.00	9100.08	2945.01	77.72	68.93
22	km	27.00	km	3.04	139.76	27.95	2504.88	4416.00	2250.00	9170.88	3016.74	71.73	
23	km	27.50	km	2.99	143.54	28.71	2572.99	4416.00	2250.00	9238.99	3089.96	73.22	
24	km	28.00	km	2.95	147.60	29.52	2645.58	4416.00	2250.00	9311.58	3156.47	66.51	
25	km	28.50	km	2.90	151.00	30.20	2706.52	4416.00	2250.00	9372.52	3231.90	75.43	
26	km	29.00	km	2.86	154.72	30.94	2772.84	4416.00	2250.00	9438.84	3300.29	68.39	
27	km	29.50	km	2.83	158.82	31.76	2846.33	4416.00	2250.00	9512.33	3361.25	60.96	
28	km	30.00	km	2.79	162.24	32.45	2908.17	4416.00	2250.00	9574.17	3431.60	70.35	
29	km	30.50	km	2.76	166.08	33.22	2977.18	4416.00	2250.00	9643.18	3493.91	62.31	
30	km	31.00	km	2.73	169.80	33.96	3043.50	4416.00	2250.00	9709.50	3556.59	62.68	

Notes

1 Number of trips in working day of 8 hours N=8/{(2L/S)+1)}. Where L=Lead in Km., S=Speed in Km. per hour, 1 hour is allowed for loading /unloading.

2 Consumption of diesel taken at 5.00 Km. per litre.

3 In column 4 of 'km done' an allowance of 6.0 km has been made for movement of truck from parking place to duty & back.

4 (i) Cost of diesel @ (1235) per litre

(ii) Hire charges of truck (without POL) @ (0084) for a day of 8 hours.

1.0 CARRIAGE OF MATERIALS

1.1 BY MECHANICAL TRANSPORT INCLUDING LOADING,UNLOADING AND STACKING

Code	Material	capacity per Trip	Net Qty Payable after deduction for looseness	Unit of rates	GST on work contract @ 18% (multiplying factor 0.2127)	C.P. & Over heads @ 15%	Cess @ 1%	Cost per Trip per unit i/c GST on Work Contract @ 18%, 15% CP & OH and 1% Cess					Beyond 5 km upto 10 km per km	Beyond 10 km upto 20 km per km	Beyond 20 km per addl. km	Remarks
								1km	2km	3km	4km	5km	As per Col. 12 of Data Sheet			
								Cost per Trip as per Col. 10 of Data sheet no. 1					A	B	C	
								Net Qty Payable					Net Qty Payable			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.1.1	Lime, moorum, building rubbish	8	8	cum	0.2127	0.15	0.01	174.04	196.66	219.03	240.51	261.35	18.53	15.08	12.14	
1.1.2	Earth	8	6.4	cum	0.2127	0.15	0.01	217.55	245.82	273.79	300.64	326.68	23.16	18.85	15.17	
1.1.3	Manure or sludge	8	7.36	cum	0.2127	0.15	0.01	189.17	213.76	238.08	261.42	284.07	20.14	16.40	13.19	
1.1.4	Excavated rock	8	4	cum	0.2127	0.15	0.01	348.08	393.32	438.07	481.02	522.70	37.06	30.17	24.27	
1.1.5	Sand, stone aggregate below 40 mm nominal size	8	8	cum	0.2127	0.15	0.01	174.04	196.66	219.03	240.51	261.35	18.53	15.08	12.14	
1.1.6	Stone aggregate 40 mm nominal size and above	8	7.36	cum	0.2127	0.15	0.01	189.17	213.76	238.08	261.42	284.07	20.14	16.40	13.19	
1.1.7	Soling stone	8	6.8	cum	0.2127	0.15	0.01	204.75	231.36	257.69	282.95	307.47	21.80	17.75	14.28	
1.1.8	Bricks	3000	3000	1000 Nos	0.2127	0.15	0.01	464.11	524.42	584.09	641.36	696.93	49.41	40.22	32.36	
1.1.9	Brick Tiles	5000	5000	1000 Nos	0.2127	0.15	0.01	278.46	314.65	350.45	384.81	418.16	29.65	24.13	19.42	
1.1.10	Cement, stone blocks, G.I.. C.I., A.C., & C.C.pipes below 100 mm dia and other heavy materials	9	9	tonne	0.2127	0.15	0.01	154.70	174.81	194.70	213.79	232.31	16.47	13.41	10.79	
1.1.11	Steel	9	9	tonne	0.2127	0.15	0.01	154.70	174.81	194.70	213.79	232.31	16.47	13.41	10.79	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.1.12	Timber	7	7	cum	0.2127	0.15	0.01	198.90	224.75	250.32	274.87	298.68	21.18	17.24	13.87	
1.1.13	Tar Bitumen	8	8	tonne	0.2127	0.15	0.01	174.04	196.66	219.03	240.51	261.35	18.53	15.08	12.14	
1.1.14	Solvent, diesel	80	80	qtl	0.2127	0.15	0.01	17.40	19.67	21.90	24.05	26.13	1.85	1.51	1.21	
1.1.15	Steam coal	7	7	tonne	0.2127	0.15	0.01	198.90	224.75	250.32	274.87	298.68	21.18	17.24	13.87	
1.1.16	S.W. pipe															
1.1.16.1	100 mm dia	600	600	100 m	0.2127	0.15	0.01	232.05	262.21	292.04	320.68	348.46	24.71	20.11	16.18	
1.1.16.2	150 mm dia	300	300	100 m	0.2127	0.15	0.01	464.11	524.42	584.09	641.36	696.93	49.41	40.22	32.36	
1.1.16.3	200 mm dia	180	180	100 m	0.2127	0.15	0.01	773.51	874.04	973.48	1068.93	1161.55	82.35	67.04	53.94	
1.1.16.5	250 mm dia	105	105	100 m	0.2127	0.15	0.01	1326.02	1498.35	1668.82	1832.44	1991.22	141.18	114.92	92.47	
1.1.16.6	300 mm dia	84	84	100 m	0.2127	0.15	0.01	1657.53	1872.94	2086.03	2290.56	2489.03	176.47	143.66	115.59	
1.1.16.7	350 mm dia	60	60	100 m	0.2127	0.15	0.01	2320.54	2622.11	2920.44	3206.78	3484.64	247.06	201.12	161.82	
1.1.16.8	400 mm dia	42	42	100 m	0.2127	0.15	0.01	3315.06	3745.87	4172.06	4581.11	4978.05	352.94	287.31	231.17	
1.1.16.9	450 mm dia	33	33	100 m	0.2127	0.15	0.01	4219.17	4767.48	5309.90	5830.50	6335.71	449.20	365.67	294.22	
1.1.16.10	500 mm dia	30	30	100 m	0.2127	0.15	0.01	4641.08	5244.22	5840.89	6413.56	6969.28	494.12	402.24	323.64	
1.1.16.11	600 mm dia	24	24	100 m	0.2127	0.15	0.01	5801.35	6555.28	7301.11	8016.94	8711.59	617.65	502.79	404.55	
1.1.17	R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, S.C.I. pipes, C.I. pipes and unreinforced cement pipes															
1.1.17.1	100 mm dia	366	366	100 m	0.2127	0.15	0.01	380.42	429.85	478.76	525.70	571.25	40.50	32.97	26.53	
1.1.17.2	125 mm dia	274	274	100 m	0.2127	0.15	0.01	508.15	574.19	639.51	702.21	763.06	54.10	44.04	35.43	
1.1.17.3	150 mm dia	219.6	219.6	100 m	0.2127	0.15	0.01	634.03	716.42	797.94	876.17	952.09	67.50	54.95	44.21	
1.1.17.4	200 mm dia	135	135	100 m	0.2127	0.15	0.01	1031.35	1165.38	1297.97	1425.23	1548.73	109.80	89.39	71.92	
1.1.17.5	250 mm dia	95	95	100 m	0.2127	0.15	0.01	1465.60	1656.07	1844.49	2025.33	2200.82	156.04	127.02	102.20	
1.1.17.6	300 mm dia	76.86	76.86	100 m	0.2127	0.15	0.01	1811.51	2046.93	2279.81	2503.34	2720.25	192.86	157.00	126.32	
1.1.17.7	350 mm dia	54.9	54.9	100 m	0.2127	0.15	0.01	2536.11	2865.70	3191.74	3504.68	3808.35	270.01	219.80	176.85	
1.1.17.8	400 mm dia	40.26	40.26	100 m	0.2127	0.15	0.01	3458.33	3907.77	4352.37	4779.10	5193.20	368.20	299.73	241.16	
1.1.17.9	450 mm & 500 mm dia	32.94	32.94	100 m	0.2127	0.15	0.01	4226.85	4776.16	5319.57	5841.13	6347.25	450.02	366.33	294.75	
1.1.17.10	600, 700, 750 & 800 mm dia	21.96	21.96	100 m	0.2127	0.15	0.01	6340.28	7164.24	7979.35	8761.69	9520.87	675.03	549.50	442.13	
1.1.17.11	900 mm dia	14.64	14.64	100 m	0.2127	0.15	0.01	9510.41	10746.36	11969.03	13142.53	14281.30	1012.54	824.25	663.19	
1.1.17.12	1000, 1100 & 1200 mm dia	10.98	10.98	100 m	0.2127	0.15	0.01	12680.55	14328.48	15958.70	17523.38	19041.74	1350.05	1099.00	884.26	

1.1.18 Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.

Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3.00 tirps of 8 cum capacity.					
	LABOUR					
0084	Hire charges of Diesel Truck - 9 tonne excluding diesel & mobile oil	day	1.00	2250.00	2250.00	
0114	Beldar	day	6.00	736.00	4416.00	
1235	Diesel oil	litre	19.56	89.62	1752.97	
	Total				8418.97	X
	Add GST on “X” (multiplying factor 0.2127)				1790.71	
	TOTAL				10209.68	Y
	Add 15% CPOH on “Y”				1531.45	
	TOTAL				11741.13	Z
	Add Cess @ 1% on “Z”				117.41	
	Cost for 3.00 trips of capacity 8 cum				11858.54	
	Cost per trip of capacity per cum				494.11	
	Say				494.10	

1.0 CARRIAGE OF MATERIALS

1.2 By Manual Labour including loading, unloading and stacking for lead less than 0.50 KM

Data Sheet for Analysis of Rates

Code	Name	Unit	Rate Rs.
0114	Beldar	day	736.00
0115	Coolie	day	736.00

The following labour work for 8 hours a day wil carry following material upto 1st 50 metre as given below: 0114/0115 Beldars (Male/Female) 7.67 Nos.

1	Lime, moorum, earth, building rubbish etc.	35 cum
2	Sand, ballast and boulders	28 cum
3	Bricks	15000 nos
4	Brick tiles, Allahbad roofing tiles(flat or round)	24000 nos
5	Steam coal	30 tonnes

NOTE : 1.67 extra coolie(Female coolie) will be required for every additional lead of 50 metre 0115 coolie1.67 Nos

Lead in Metres	Cost per 8 hours day	Increase in cost for every additional 50
	(X)	(Y)
50 metres	5645.12	1229.12

Code No.	Material	Capacity per Trip	Net Qty Payable after deduction for loose-ness	Unit of Rate ₹	GST on work contract @ 18% (multiply-ing factor 0.2127)	C.P. & Over heads @ 15%	Cess @ 1%	Cost per 8 hours day	Cost per unit	
									cost for 1st 50 metre	cost for addl. 50m or part thereof beyond1st 50 m upto 0.50 km.
1	2	3	4	5	6	7	8	9	10	11
1.2.1	Lime, moorum, building rubbish	35	35	cum	0.2127	0.15	0.01	7951.44	227.18	49.47
1.2.2	Earth	35	28	cum	0.2127	0.15	0.01	7951.44	283.98	61.83
1.2.3	Manure or sludge	35	32.2	cum	0.2127	0.15	0.01	7951.44	246.94	53.77
1.2.4	Excavated rock	35	17.5	cum	0.2127	0.15	0.01	7951.44	454.37	98.93
1.2.5	Sand, stone aggre-gate below 40 mm nominal size	28	28	cum	0.2127	0.15	0.01	7951.44	283.98	61.83
1.2.6	Stone aggregate 40 mm nominal size and above	28	25.9	cum	0.2127	0.15	0.01	7951.44	307.01	66.84
1.2.7	Soling stone	28	23.8	cum	0.2127	0.15	0.01	7951.44	334.09	72.74
1.2.8	Bricks	15000 Nos	15000 Nos	1000 Nos	0.2127	0.15	0.01	7951.44	530.10	115.42
1.2.9	Brick Tiles	24000 Nos	24000 Nos	1000 Nos	0.2127	0.15	0.01	7951.44	331.31	72.14
1.2.10	Steam Coal	30 tonne	30 tonne	tonne	0.2127	0.15	0.01	7951.44	265.05	57.71

1.0 CARRIAGE OF MATERIALS

1.2 By Manual Labour including loading, unloading and stacking for lead less than 0.50 KM

Data Sheet for Analysis of Rates

Code	Name	Unit	Rate Rs.
0114	Beldar	Day	736.00
0115	Coolie	Day	736.00

The following labour work for 8 hours a day will carry following material upto 1st 50 metre as given below:

0114 Beldars 9.20 Nos (X)

Quantity of material as per column 3 of table below will be carried in 50 metres lead including loading and unloading.

Note:- 1.35 extra Beldar will be required for every additional lead of 50 metre 0114 coolie 1.35 Nos (Y)

S. No	Material	Capacity per Trip	Net Qty payable after deduction for loose-ness	Unit of Rates	GST on work contract @ 18% (multiply-ing factor 0.2127)	C.P. & Over heads @ 15%	Cess @ 1%	Cost per 8 hours day ₹	Cost per unit ₹	
									Cost for 1st 50 metre	Cost for addl. 50 m or part thereof be-yond 1st 50 m upto 0.50km
1	2	3	4	5	6	7	8	9	10	11
1.2.11	Stone blocks,G.I.,C.I. Stainless Steel pipes below 100 mm dia and other heavy material	46 t	46	tonne	0.2127	0.15	0.01	9537.58	207.34	30.42
1.2.12	Cement	57.99 t	57.99	tonne	0.2127	0.15	0.01	9537.58	164.47	24.13
1.2.13	Steel	27 t	27	tonne	0.2127	0.15	0.01	9537.58	353.24	51.83
1.2.14	Timber	42 cum	42	cum	0.2127	0.15	0.01	9537.58	227.09	33.32
1.2.15	Tar, bitumen etc.	46 t	46	tonne	0.2127	0.15	0.01	9537.58	207.34	30.42
1.2.16	S.W. pipe									
1.2.16.1	100 mm dia	2298 m	2298	100 m	0.2127	0.15	0.01	9537.58	415.04	60.90
1.2.16.2	150 mm dia	1398 m	1398	100 m	0.2127	0.15	0.01	9537.58	682.23	100.11
1.2.16.3	200 mm dia	999 m	999	100 m	0.2127	0.15	0.01	9537.58	954.71	140.09
1.2.16.5	250 mm dia	600 m	600	100 m	0.2127	0.15	0.01	9537.58	1589.60	233.26
1.2.16.6	300 mm dia	420 m	420	100 m	0.2127	0.15	0.01	9537.58	2270.85	333.22
1.2.16.7	350 mm dia	300 m	300	100 m	0.2127	0.15	0.01	9537.58	3179.19	466.51
1.2.16.8	400 mm dia	240 m	240	100 m	0.2127	0.15	0.01	9537.58	3973.99	583.14
1.2.16.9	450 mm dia	198 m	198	100 m	0.2127	0.15	0.01	9537.58	4816.96	706.84
1.2.16.10	500 mm dia	162 m	162	100 m	0.2127	0.15	0.01	9537.58	5887.40	863.91
1.2.16.11	600 mm dia	132 m	132	100 m	0.2127	0.15	0.01	9537.58	7225.44	1060.25
1.2.17	R.C.C. pipes, Steel cyl-inder, R.C. pipes, C.I. pipes and unreinforced cement pipes									

1	2	3	4	5	6	7	8	9	10	11
1.2.17.1	100 mm dia	1702 m	1702	100 m	0.2127	0.15	0.01	9537.58	560.37	82.23
1.2.17.2	125 mm dia	1391 m	1391	100 m	0.2127	0.15	0.01	9537.58	685.66	100.61
1.2.17.3	150 mm dia	1208 m	1208	100 m	0.2127	0.15	0.01	9537.58	789.53	115.86
1.2.17.4	200 mm dia	805 m	805	100 m	0.2127	0.15	0.01	9537.58	1184.79	173.86
1.2.17.5	250 mm dia	458 m	458	100 m	0.2127	0.15	0.01	9537.58	2082.44	305.58
1.2.17.6	300 mm dia	366 m	366	100 m	0.2127	0.15	0.01	9537.58	2605.90	382.39
1.2.17.7	350 mm dia	256 m	256	100 m	0.2127	0.15	0.01	9537.58	3725.62	546.69
1.2.17.8	400 mm dia	220 m	220	100 m	0.2127	0.15	0.01	9537.58	4335.26	636.15
1.2.17.9	450 mm & 500 mm dia	165 m	165	100 m	0.2127	0.15	0.01	9537.58	5780.35	848.20
1.2.17.10	600, 700, 750 & 800 mm dia	150 m	150	100 m	0.2127	0.15	0.01	9537.58	6358.39	933.02

1.3 Loading in or unloading cement from the railway wagons at siding and carrying the same from or into godowns adjacent to the siding, including stacking the same properly in rows upto any height as per direction of Engineer-in-charge, sweeping the wagons and screening the swept cement and filling in bags complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of 23 tonnes of cement					
	LABOUR					
0114	Beldar	day	3.75	736.00	2760.00	
9999	Sundries Add for sweeping the wagon, screening the swept cement and filling the same in bags	L.S.	2.62	2.27	5.95	
	TOTAL				2765.95	X
	Add GST on “X” (multiplying factor 0.2127)				588.32	
	TOTAL				3354.27	Y
	Add 15% CPOH on “Y”				503.14	
	TOTAL				3857.41	Z
	Add Cess @ 1% on “Z”				38.57	
	Cost of 23 tonne				3895.98	
	Cost of 1 tonne				169.39	
	Say				169.40	

1.4 Loading in or unloading from the railway wagons as per direction of Engineer-in-charge :

1.4.1 Steel

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of 44 tonnes of steel					
	LABOUR					
0114	Beldar	day	10.66	736.00	7845.76	
	TOTAL				7845.76	X
	Add GST on “X” (multiplying factor 0.2127)				1668.79	
	TOTAL				9514.55	Y
	Add 15% CPOH on “Y”				1427.18	
	TOTAL				10941.73	Z
	Add Cess @ 1% on “Z”				109.42	
	Cost of 44 tonne				11051.15	
	Cost of 1 tonne				251.16	
	Say				251.15	

1.4.2 G.I., C.I., R.C.C. or C.C. pipes upto 500 mm dia and similar heavy materials

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of unloading wagon of 14 tonnes					
	LABOUR					
0114	Beldar	day	2.00	736.00	1472.00	
9999	Sundries	L.S.	3.10	2.27	7.04	
	TOTAL				1479.04	X
	Add GST on “X” (multiplying factor 0.2127)				314.59	
	TOTAL				1793.63	Y
	Add 15% CPOH on “Y”				269.04	
	TOTAL				2062.67	Z
	Add Cess @ 1% on “Z”				20.63	
	Cost of 14 tonne				2083.30	
	Cost of 1 tonne				148.81	
	Say				148.80	

1.4.3 Heavy materials where each piece or bundle, crate or case weighs more than one tonne and R.C.C., C.I. and concrete pipes above 500 mm dia.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of unloading wagon of 14 tonnes					
	LABOUR					
0114	Beldar	day	3.25	736.00	2392.00	
9999	Extra for fixing crane including labour involved	L.S.	91.15	2.27	206.91	
9999	Sundries	L.S.	7.40	2.27	16.80	
	TOTAL				2615.71	X
	Add GST on “X” (multiplying factor 0.2127)				556.36	
	TOTAL				3172.07	Y
	Add 15% CPOH on “Y”				475.81	
	TOTAL				3647.88	Z
	Add Cess @ 1% on “Z”				36.48	
	Cost of 14 tonne				3684.36	
	Cost of 1 tonne				263.17	
	Say				263.15	

SUB HEAD : 2.0

EARTH WORK

2.1 Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge:

2.1.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 Sqm					
	LABOUR					
0114	Beldar	day	6.80	736.00	5004.80	
0115	Coolie	day	5.60	736.00	4121.60	
	TOTAL				9126.40	W
	Add 1 % Water charges on “W”				91.26	
	TOTAL				9217.66	X
	Add GST on “X” (multiplying factor 0.2127)				1960.60	
	TOTAL				11178.26	Y
	Add 15% CPOH on “Y”				1676.74	
	TOTAL				12855.00	Z
	Add Cess @ 1% on “Z”				128.55	
	Cost of 100 sqm				12983.55	
	Cost of 1 sqm				129.84	
	Say				129.85	

2.2 Earth work by mechinical / manual means in rough excavation, banking excavated earth in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and for all lift :

2.2.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0051	Hydraulic Excavator 1 cum bucket capacity	hour	1.538	900.00	1384.20	`
0049	Dozer 80 HP for spreading	hour	0.374	1700.00	635.80	
0050	Motor grader for grading	hour	0.167	2700.00	450.90	
0054	Vibratory roller 8-10 tonne	hour	0.167	700.00	116.90	
0057	Water tanker 6 KL capacity	hour	0.40	250.00	100.00	
	LABOUR					
0128	Mate	day	0.004	816.00	3.26	
0115	Coolie	day	0.10	736.00	73.60	
9999	Sundries (i.e. watch and ward, minor T&P etc.)	L.S.	6.18	2.27	14.03	
	TOTAL				2778.69	W
	Add 1 % Water charges on “W”				27.79	
	TOTAL				2806.48	X
	Add GST on “X” (multiplying factor 0.2127)				596.94	
	TOTAL				3403.42	Y
	Add 15% CPOH on “Y”				510.51	
	TOTAL				3913.93	Z
	Add Cess @ 1% on “Z”				39.14	
	Cost of 10 cum.				3953.07	
	Cost of 1 cum.				395.31	
	Say				395.30	

2.3 Banking excavated earth by mechanical / manual means in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and for all lift :

2.3.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0049	Dozer 80 HP for spreading	hour	0.374	1700.00	635.80	
0050	Motor grader for grading	hour	0.167	2700.00	450.90	
0054	Vibrator roller 8-10 tonne	hour	0.167	700.00	116.90	
0057	Water tanker 6 KL capacity	hour	0.40	250.00	100.00	
	LABOUR					
0128	Mate	day	0.004	816.00	3.26	
0115	Coolie	day	0.10	736.00	73.60	
9999	Sundries (i.e. watch and ward, minor T&P etc.)	L.S.	4.61	2.27	10.46	
	TOTAL				1390.92	W
	Add 1 % Water charges on “W”				13.91	
	TOTAL				1404.83	X
	Add GST on “X” (multiplying factor 0.2127)				298.81	
	TOTAL				1703.64	Y
	Add 15% CPOH on “Y”				255.55	
	TOTAL				1959.19	Z
	Add Cess @ 1% on “Z”				19.59	
	Cost of 10 cum.				1978.78	
	Cost of 1 cum.				197.88	
	Say				197.90	

2.4 Deduct for not rolling with power roller of minimum 8 tonnes for banking excavated earth in layers not exceeding 20 cm in depth.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	LABOUR					
0113	Chowkidar	day	0.008	736.00	5.89	
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	3350.00	26.80	
9999	Sundries	L.S.	1.82	2.27	4.13	
	TOTAL				36.82	W
	Add 1 % Water charges on “W”				0.37	
	TOTAL				37.19	X
	Add GST on “X” (multiplying factor 0.2127)				7.91	
	TOTAL				45.10	Y
	Add 15% CPOH on “Y”				6.77	
	TOTAL				51.87	Z
	Add Cess @ 1% on “Z”				0.52	
	Cost of 10 cum.				52.39	
	Cost of 1 cum.				5.24	
	Say				5.25	

2.5 Deduct for not watering the excavated earth for banking

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0057	Water tanker 6 KL capacity	hour	0.40	250.00	100.00	
	TOTAL				100.00	W
	Add 1 % Water charges on “W”				1.00	
	TOTAL				101.00	X
	Add GST on “X” (multiplying factor 0.2127)				21.48	
	TOTAL				122.48	Y
	Add 15% CPOH on “Y”				18.37	
	TOTAL				140.85	Z
	Add Cess @ 1% on “Z”				1.41	
	Cost of 10 cum.				142.26	
	Cost of 1 cum.				14.23	
	Say				14.25	

2.6 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.

2.6.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	Average output of Hydraulic Excavator per hour = 30cum.					
	MACHINERY					
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.080	7850.00	628.00	
0018	Hire and running charges of loader.	day	0.080	6700.00	536.00	
	LABOUR					
0128	Mate	day	0.04	816.00	32.64	
0115	Coolie	day	0.06	736.00	44.16	
9999	Sundries (i.e. watch and ward, minor T&P etc.)	day	3.10	2.27	7.04	
	TOTAL				1247.84	W
	Add 1 % Water charges on “W”				12.48	
	TOTAL				1260.32	X
	Add GST on “X” (multiplying factor 0.2127)				268.07	
	TOTAL				1528.39	Y
	Add 15% CPOH on “Y”				229.26	
	TOTAL				1757.65	Z
	Add Cess @ 1% on “Z”				17.58	
	Cost of 10 cum.				1775.23	
	Cost of 1 cum.				177.52	
	Say				177.50	

2.7 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.

2.7.1 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.063	7850.00	494.55	
0017	Hire and running charges of tipper	day	0.063	4200.00	264.60	
	LABOUR					
0132	Rock Excavator	day	0.705	736.00	518.88	
0133	Rock Breaker	day	1.59	736.00	1170.24	
0134	Rock Hole Driller	day	0.355	736.00	261.28	
0114	Beldar	day	0.50	736.00	368.00	
0115	Coolie	day	0.55	736.00	404.80	
9999	Sundries	L.S.	10.79	2.27	24.49	
	TOTAL				3506.84	W
	Add 1 % Water charges on “W”				35.07	
	TOTAL				3541.91	X
	Add GST on “X” (multiplying factor 0.2127)				753.36	
	TOTAL				4295.27	Y
	Add 15% CPOH on “Y”				644.29	
	TOTAL				4939.56	Z
	Add Cess @ 1% on “Z”				49.40	
	Cost of 10 cum.				4988.96	
	Cost of 1 cum.				498.90	
	Say				498.90	

2.7.2 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7850.00	981.25	
0017	Hire and running charges of tipper	day	0.125	4200.00	525.00	
	LABOUR					
0132	Rock Excavator	day	1.06	736.00	780.16	
0133	Rock Breaker	day	2.825	736.00	2079.20	
0134	Rock Hole Driller	day	0.885	736.00	651.36	
0114	Beldar	day	0.45	736.00	331.20	
0115	Coolie	day	0.55	736.00	404.80	
0325	Blasting powder	kilogram	3.93	44.00	172.92	
0326	Blasting fuse (fuse wire)	each	4.00	46.00	184.00	
9999	Sundries	L.S.	16.12	2.27	36.59	
	TOTAL				6146.48	W
	Add 1 % Water charges on “W”				61.46	
	TOTAL				6207.94	X
	Add GST on “X” (multiplying factor 0.2127)				1320.43	
	TOTAL				7528.37	Y
	Add 15% CPOH on “Y”				1129.26	
	TOTAL				8657.63	Z
	Add Cess @ 1% on “Z”				86.58	
	Cost of 10 cum.				8744.21	
	Cost of 1 cum.				874.42	
	Say				874.40	

2.7.3 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7850.00	981.25	
0017	Hire and running charges of tipper	day	0.125	4200.00	525.00	
	LABOUR					
0132	Rock Excavator	day	2.47	736.00	1817.92	
0133	Rock Breaker	day	6.00	736.00	4416.00	
0135	Stone Chiseller	day	1.06	816.00	864.96	
0103	Blacksmith 2nd class	day	0.175	816.00	142.80	
0114	Beldar	day	0.75	736.00	552.00	
0115	Coolie	day	1.00	736.00	736.00	
9999	Sundries	L.S.	16.12	2.27	36.59	
	TOTAL				10072.52	W
	Add 1 % Water charges on “W”				100.73	
	TOTAL				10173.25	X
	Add GST on “X” (multiplying factor 0.2127)				2163.85	
	TOTAL				12337.10	Y
	Add 15% CPOH on “Y”				1850.57	
	TOTAL				14187.67	Z
	Add Cess @ 1% on “Z”				141.88	
	Cost of 10 cum.				14329.55	
	Cost of 1 cum.				1432.96	
	Say				1432.95	

2.8 Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.

2.8.1 All kinds of soil.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.12	7850.00	942.00	
0018	Hire and running charges of loader.	day	0.12	6700.00	804.00	
	LABOUR					
0128	Mate	day	0.04	816.00	32.64	
0115	Coolie	day	0.06	736.00	44.16	
9999	Sundries (i.e. watch and ward, minor T&P etc.)	day	3.10	2.27	7.04	
	TOTAL				1829.84	W
	Add 1 % Water charges on “W”				18.30	
	TOTAL				1848.14	X
	Add GST on “X” (multiplying factor 0.2127)				393.10	
	TOTAL				2241.24	Y
	Add 15% CPOH on “Y”				336.19	
	TOTAL				2577.43	Z
	Add Cess @ 1% on “Z”				25.77	
	Cost of 10 cum.				2603.20	
	Cost of 1 cum.				260.32	
	Say				260.30	

2.9 Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.

2.9.1 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 cum.					
	MACHINERY					
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.625	7850.00	4906.25	
0017	Hire and running charges of tipper	day	0.625	4200.00	2625.00	
	LABOUR					
0132	Rock Excavator	day	8.850	736.00	6513.60	
0133	Rock Breaker	day	17.650	736.00	12990.40	
0134	Rock Hole Driller	day	5.30	736.00	3900.80	
0114	Beldar	day	5.00	736.00	3680.00	
0115	Coolie	day	13.00	736.00	9568.00	
9999	Sundries	L.S.	135.20	2.27	306.90	
	TOTAL				44490.95	W
	Add 1 % Water charges on “W”				444.91	
	TOTAL				44935.86	X
	Add GST on “X” (multiplying factor 0.2127)				9557.86	
	TOTAL				54493.72	Y
	Add 15% CPOH on “Y”				8174.06	
	TOTAL				62667.78	Z
	Add Cess @ 1% on “Z”				626.68	
	Cost of 100 cum.				63294.46	
	Cost of 1 cum.				632.94	
	Say				632.95	

2.9.2 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7850.00	981.25	
0017	Hire and running charges of tipper	day	0.125	4200.00	525.00	
	LABOUR					
0132	Rock Excavator	day	1.24	736.00	912.64	
0133	Rock Breaker	day	3.00	736.00	2208.00	
0134	Rock Hole Driller	day	1.06	736.00	780.16	
0114	Beldar	day	0.50	736.00	368.00	
0115	Coolie	day	1.30	736.00	956.80	
0325	Blasting powder	kilogram	6.42	44.00	282.48	
0326	Blasting fuse (fuse wire)	each	7.00	46.00	322.00	
9999	Sundries	L.S.	18.85	2.27	42.79	
	TOTAL				7379.12	W
	Add 1 % Water charges on “W”				73.79	
	TOTAL				7452.91	X
	Add GST on “X” (multiplying factor 0.2127)				1585.23	
	TOTAL				9038.14	Y
	Add 15% CPOH on “Y”				1355.72	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				10393.86	Z
	Add Cess @ 1% on “Z”				103.94	
	Cost of 10 cum.				10497.80	
	Cost of 1 cum.				1049.78	
	Say				1049.80	

2.9.3 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MACHINERY					
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.125	7850.00	981.25	
0017	Hire and running charges of tipper	day	0.125	4200.00	525.00	
	LABOUR					
0132	Rock Excavator	day	2.65	736.00	1950.40	
0133	Rock Breaker	day	6.175	736.00	4544.80	
0135	Stone Chiseller	day	1.06	816.00	864.96	
0103	Blacksmith 2nd class	day	0.175	816.00	142.80	
0114	Beldar	day	0.75	736.00	552.00	
0115	Coolie	day	1.50	736.00	1104.00	
9999	Sundries	L.S.	17.94	2.27	40.72	
	TOTAL				10705.93	W
	Add 1 % Water charges on “W”				107.06	
	TOTAL				10812.99	X
	Add GST on “X” (multiplying factor 0.2127)				2299.92	
	TOTAL				13112.91	Y
	Add 15% CPOH on “Y”				1966.94	
	TOTAL				15079.85	Z
	Add Cess @ 1% on “Z”				150.80	
	Cost of 10 cum.				15230.65	
	Cost of 1 cum.				1523.07	
	Say				1523.05	

2.10 Excavating trenches by mechinical / manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :

2.10.1 All kinds of soil

2.10.1.1 Pipes, cables etc, not exceeding 80 mm dia.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 180m length of a pipe of an average dia. say 40mm. Slope assumed 1 in 200.					
	Earth work and filling-					
	Minimum depth of trench 60cm. Average depth = (0.6+1.5)/2 = 1.05, Width for this depth 0.45 cm, 180x0.45x1.05 = 85.05 cum					
2.8.1	Rate as per item No. 2.8.1 of SH: Earth work	cum	85.05	260.30	22138.52	A
2.25	Rate as per Item No. 2.25 of SH: Earth Work	cum	85.05	196.00	16669.80	A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				38808.32	
	Cost of 180m length of pipes				38808.32	
	Cost for 1m. length of pipe				215.60	
	Say				215.60	

2.10.1.2 Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 110m length of a pipe of an average dia. say 200mm. Slope assumed 1 in 200. Earth work and filling- Minimum depth of trench = 0.75+0.20 = 0.95m, Average depth = (1.50+0.95)/2 = 1.225m, Width = 0.40 + 0.20 = 0.60 m, 110x0.60x1.225 = 80.85 cum, 5% for collars = 4.04 cum, Total = 84.89 cum					
2.8.1	Rate as per item No. 2.8.1 of SH: Earth work	cum	84.89	260.30	22096.87	A
2.25	Rate as per Item No. 2.25 of SH: Earth Work	cum	84.89	196.00	16638.44	A
	TOTAL				38735.31	
	Cost of 110m length of pipe				38735.31	
	Cost for 1m length of pipe				352.14	
	Say				352.15	

2.10.1.3 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 60m length of a pipe of an average dia. say 450mm. Slope assumed 1 in 200. Earth work and filling- Minimum depth of trench 0.75+0.45= 1.20m, Average depth = (1.50+1.20)/2 = 1.35, Width = 0.40 + 0.45 = 0.85 m, 60x0.85x1.35 = 68.85 cum, 5% for collars = 3.44 cum, Total = 72.29 cum					
2.8.1	Rate as per item No. 2.8.1 of SH: Earth work	cum	72.29	260.30	18817.09	A
2.25	Rate as per Item No. 2.25 of SH: Earth Work	cum	72.29	196.00	14168.84	A
	TOTAL				32985.93	
	Cost of 60m length of pipe				32985.93	
	Cost for 1m length of pipe				549.77	
	Say				549.75	

2.13 Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m :

2.13.1 Ordinary rock :

2.13.1.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 180 m length of a pipe of a average dia. say 40mm. Slope assumed 1:200					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Excavation-					
	Quantity same as in item No.2.10.1.1					
2.9.1	Rate as per Item No. 2.9.1 of SH: Earth Work	cum	85.05	632.95	53832.40	A
	Refilling, ramming and watering					
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	85.05	196.00	16669.80	A
	Extra labour for ramming of rock					
0114	Beldar	day	2.00	736.00	1472.00	
	TOTAL				71974.20	W
	Add 1 % Water charges on “W-A”				14.72	
	TOTAL				71988.92	X
	Add GST on “X-A” (multiplying factor 0.2127)				316.23	
	TOTAL				72305.15	Y
	Add 15% CPOH on “Y-A”				270.44	
	TOTAL				72575.59	Z
	Add Cess @ 1% on “Z-A”				20.73	
	Cost for 180 m. length of pipe				72596.32	
	Cost for 1m. length of pipe				403.31	
	Say				403.30	

2.13.1.2 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 80 m length of pipe of an average dia. Say 200mm.					
	Slope assumed 1:200					
	Excavation-					
	Minimum depth of trench.					
	0.75+0.15+0.20 = 1.10m					
	Average depth = (1.10+1.50)/2 = 1.30m					
	Minimum width of trench = 0.90m					
	80x0.90x1.30 = 93.60 cum.					
2.9.1	Rate as per item No. 2.9.1 of SH: Earth Work	cum	93.60	632.95	59244.12	A
	Refilling, ramming and watering					
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	93.60	196.00	18345.60	A
	Extra labour for ramming of rock					
0114	Beldar	day	2.20	736.00	1619.20	
	TOTAL				79208.92	W
	Add 1 % Water charges on “W-A”				16.19	
	TOTAL				79225.11	X
	Add GST on “X-A” (multiplying factor 0.2127)				347.85	
	TOTAL				79572.96	Y
	Add 15% CPOH on “Y-A”				297.49	
	TOTAL				79870.45	Z
	Add Cess @ 1% on “Z-A”				22.81	
	Cost for 80 m. length of pipe				79893.26	
	Cost for 1m. length of pipe				998.67	
	Say				998.65	

2.13.1.3 Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 30 m. length of a pipe of an average dia. say 450mm. Slope assumed 1 in 200. Excavation- Minimum depth of trench. 0.75+0.15+0.45 = 1.35m Average depth = (1.35+1.50)/2 = 1.425m Minimum width of trench = 0.90m 30x0.90x1.425 = 38.475 cum. 5% for collar = 1.924cum Total = 40.399cum					
2.9.1	Rate as per item No. 2.9.1 of SH: Earth Work	cum	40.399	632.95	25570.55	A
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	40.399	196.00	7918.20	A
0114	Beldar	day	0.94	736.00	691.84	
	TOTAL				34180.59	W
	Add 1 % Water charges on “W-A”				6.92	
	TOTAL				34187.51	X
	Add GST on “X-A” (multiplying factor 0.2127)				148.63	
	TOTAL				34336.14	Y
	Add 15% CPOH on “Y-A”				127.11	
	TOTAL				34463.25	Z
	Add Cess @ 1% on “Z-A”				9.74	
	Cost for 30 m length of a pipe				34472.99	
	Cost for one m length of a pipe				1149.10	
	Say				1149.10	

2.13.2 Hard rock (requiring blasting)

2.13.2.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 180 m length of a pipe of a average dia. say 40mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.10.1.1					
2.9.2	Rate as per item no. 2.9.2 of SH: Earth Work Refilling, ramming and watering	cum	85.05	1049.80	89285.49	A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	85.05	196.00	16669.80	A
0114	Beldar	day	2.50	736.00	1840.00	
	TOTAL				107795.29	W
	Add 1 % Water charges on “W-A”				18.40	
	TOTAL				107813.69	X
	Add GST on “X-A” (multiplying factor 0.2127)				395.28	
	TOTAL				108208.97	Y
	Add 15% CPOH on “Y-A”				338.05	
	TOTAL				108547.02	Z
	Add Cess @ 1% on “Z-A”				25.92	
	Cost for 180 m. length of pipe				108572.94	
	Cost for 1m. length of pipe				603.18	
	Say				603.20	

2.13.2.2 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 80 m length of a pipe of an average dia. say 200mm.					
	Slope assumed 1:200					
	Excavation-					
	Quantity same as in item No.2.13.1.2					
2.9.2	Rate as per item No. 2.9.2 of SH: Earth Work	cum	93.60	1049.80	98261.28	A
	Refilling, ramming and watering					
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	93.60	196.00	18345.60	A
	Extra labour for ramming of rock					
0114	Beldar	day	2.75	736.00	2024.00	
	TOTAL				118630.88	W
	Add 1 % Water charges on “W-A”				20.24	
	TOTAL				118651.12	X
	Add GST on “X-A” (multiplying factor 0.2127)				434.81	
	TOTAL				119085.93	Y
	Add 15% CPOH on “Y-A”				371.86	
	TOTAL				119457.79	Z
	Add Cess @ 1% on “Z-A”				28.51	
	Cost for 80 m. length of pipe				119486.30	
	Cost for 1m. length of pipe				1493.58	
	Say				1493.60	

2.13.2.3 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 30 m length of a pipe of an average dia. Say 450mm.					
	Slope assumed 1:200					
	Excavation-					
	Quantity same as in item No.2.13.1.3					
2.9.2	Rate as per item No. 2.9.2 of SH: Earth Work	cum	40.399	1049.80	42410.87	A
	Refilling, ramming and watering					
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	40.399	196.00	7918.20	A
	Extra labour for ramming of rock					
0114	Beldar	day	1.17	736.00	861.12	
	TOTAL				51190.19	W
	Add 1 % Water charges on “W-A”				8.61	
	TOTAL				51198.80	X
	Add GST on “X-A” (multiplying factor 0.2127)				184.99	
	TOTAL				51383.79	Y
	Add 15% CPOH on “Y-A”				158.21	
	TOTAL				51542.00	Z
	Add Cess @ 1% on “Z-A”				12.13	
	Cost for 30 m. length of pipe				51554.13	
	Cost for 1m. length of pipe				1718.47	
	Say				1718.45	

2.13.3 Hard rock (blasting prohibited)

2.13.3.1 Pipes, cables etc. not exceeding 80 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 180 m length of a pipe of a average dia. say 40mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.10.1.1					
2.9.3	Rate of item No 2.9.3 of SH: Earth Work Refilling, ramming and watering	cum	85.05	1523.05	129535.40	A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	85.05	196.00	16669.80	A
0114	Beldar	day	2.50	736.00	1840.00	
	TOTAL				148045.20	W
	Add 1 % Water charges on “W-A”				18.40	
	TOTAL				148063.60	X
	Add GST on “X-A” (multiplying factor 0.2127)				395.28	
	TOTAL				148458.88	Y
	Add 15% CPOH on “Y-A”				338.05	
	TOTAL				148796.93	Z
	Add Cess @ 1% on “Z-A”				25.92	
	Cost for 180 m. length of pipe				148822.85	
	Cost for 1m. length of pipe				826.79	
	Say				826.80	

2.13.3.2 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 80 m length of a pipe of an average dia. say 200mm. Slope assumed 1:200 Excavation- Quantity same as in item No.2.13.1.2					
2.9.3	Rate as per item No. 2.9.3 of SH: Earth Work Refilling, ramming and watering	cum	93.60	1523.05	142557.48	A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	93.60	196.00	18345.60	A
0114	Beldar	day	2.75	736.00	2024.00	
	TOTAL				162927.08	W
	Add 1 % Water charges on “W-A”				20.24	
	TOTAL				162947.32	X
	Add GST on “X-A” (multiplying factor 0.2127)				434.81	
	TOTAL				163382.13	Y
	Add 15% CPOH on “Y-A”				371.86	
	TOTAL				163753.99	Z
	Add Cess @ 1% on “Z-A”				28.51	
	Cost for 80 m. length of pipe				163782.50	
	Cost for 1m. length of pipe				2047.28	
	Say				2047.30	

2.13.3.3 Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 30 m length of a pipe of an average dia. Say 450mm.					
	Slope assumed 1:200					
	Excavation-					
	Quantity same as in item No.2.13.1.3					
2.9.3	Rate as per item No. 2.9.3 of SH: Earth Work	cum	40.399	1523.05	61529.70	A
	Refilling, ramming and watering					
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	40.399	196.00	7918.20	A
	Extra labour for ramming of rock					
0114	Beldar	day	1.17	736.00	861.12	
	TOTAL				70309.02	W
	Add 1 % Water charges on “W-A”				8.61	
	TOTAL				70317.63	X
	Add GST on “X-A” (multiplying factor 0.2127)				184.99	
	TOTAL				70502.62	Y
	Add 15% CPOH on “Y-A”				158.21	
	TOTAL				70660.83	Z
	Add Cess @ 1% on “Z-A”				12.13	
	Cost for 30 m. length of pipe				70672.96	
	Cost for 1m. length of pipe				2355.77	
	Say				2355.75	

2.14 Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 1.5 m in depth but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre)

2.14.1 Ordinary rock :

2.14.1.1 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 300m length of a pipe of an average dia. say 200mm. Slope assumed 1 in 200. Excavation- 100x0.90x1.75 = 157.50 cum. 200x0.90x(2.00 +3.00)/2= 450 cum. Total = 607.50 cum.					
2.9.1	Rate as per item No. 2.9.1 of SH: Earth Work Refilling, ramming and watering = 607.50 cum	cum	607.500	632.95	384517.13	A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock=(2.20 * 607.5/93.60 = 14.28)(Based on Item No 2.13.1.2)	cum	607.500	196.00	119070.00	A
0114	Beldar	day	14.280	736.00	10510.08	
2.13.1.2	Less excavation for depth upto 1.50 m Rate as per Item No.2.13.1.2 of SH: Earth Work	metre	-300.000	998.65	-299595.00	A
	TOTAL				214502.21	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W-A”				105.10	
	TOTAL				214607.31	X
	Add GST on “X-A” (multiplying factor 0.2127)				2257.85	
	TOTAL				216865.16	Y
	Add 15% CPOH on “Y-A”				1930.95	
	TOTAL				218796.11	Z
	Add Cess @ 1% on “Z-A”				148.04	
	Cost for 300m length of pipe				218944.15	
	Extra cost for one metre length				729.81	
	Say				729.80	

2.14.1.2 Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 300m length of a pipe of an average dia. say 450mm. Slope assumed 1 in 200. Excavation- 100x1.05x1.75 = 183.75 cum. 200x1.05x(2.00 +3.00)/2= 525.00 cum. Total = 708.75 cum.					
2.9.1	Rate as per item No. 2.9.1 of SH: Earth Work Refilling, ramming and watering = 708.75 cum	cum	708.750	632.95	448603.31	A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock=(2.20 * 708.75/93.60 = 19.04)(Based on Item No 2.13.1.2)	cum	708.750	196.00	138915.00	A
0114	Beldar	day	16.660	736.00	12261.76	
2.13.1.3	Less excavation for depth upto 1.50 m Rate as per Item No.2.13.1.3 of SH: Earth Work	metre	-300.000	1149.10	-344730.00	A
	TOTAL				255050.07	W
	Add 1 % Water charges on “W-A”				122.62	
	TOTAL				255172.69	X
	Add GST on “X-A” (multiplying factor 0.2127)				2634.16	
	TOTAL				257806.85	Y
	Add 15% CPOH on “Y-A”				2252.78	
	TOTAL				260059.63	Z
	Add Cess @ 1% on “Z-A”				172.71	
	Cost for 300m length of pipe				260232.34	
	Extra cost for one metre length				867.44	
	Say				867.45	

2.14.2 Hard rock (requiring blasting)

2.14.2.1 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Slope assumed 1 in 200. Excavation- 100x0.90x1.75 = 157.50 cum. 200x0.90x(2.00 +3.00)/2= 450 cum. Total = 607.50 cum.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2.9.2	Rate as per item No. 2.9.2 of SH: Earth Work Refilling, ramming and watering = 607.50 cum	cum	607.500	1049.80	637753.50	A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock=(2.75 * 607.5/93.60 = 17.85)(Based on Item No 2.13.2.2)	cum	607.500	196.00	119070.00	A
0114	Beldar	day	17.850	736.00	13137.60	
2.13.2.2	Less excavation for depth upto 1.50 m Rate as per Item No.2.13.2.2 of SH: Earth Work	metre	-300.000	1493.60	-448080.00	A
	TOTAL				321881.10	W
	Add 1 % Water charges on “W-A”				131.38	
	TOTAL				322012.48	X
	Add GST on “X-A” (multiplying factor 0.2127)				2822.31	
	TOTAL				324834.79	Y
	Add 15% CPOH on “Y-A”				2413.69	
	TOTAL				327248.48	Z
	Add Cess @ 1% on “Z-A”				185.05	
	Cost for 300m length of pipe				327433.53	
	Extra cost for one metre length				1091.45	
	Say				1091.45	

2.14.2.2 Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 300m length of a pipe of an average dia. say 450mm. Slope assumed 1 in 200. Excavation- 100x1.05x1.75 = 183.75 cum. 200x1.05x(2.00 +3.00)/2= 525.00 cum. Total = 708.75 cum.					
2.9.2	Rate as per item No. 2.9.2 of SH: Earth Work Refilling, ramming and watering = 708.75 cum	cum	708.750	1049.80	744045.75	A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock=(2.75 * 708.75/93.60 = 20.82)(Based on Item No 2.13.2.2)	cum	708.750	196.00	138915.00	A
0114	Beldar	day	20.820	736.00	15323.52	
2.13.2.3	Less excavation for depth upto 1.50 m Rate as per Item No.2.13.2.3 of SH: Earth Work	metre	-300.000	1718.45	-515535.00	A
	TOTAL				382749.27	W
	Add 1 % Water charges on “W-A”				153.24	
	TOTAL				382902.51	X
	Add GST on “X-A” (multiplying factor 0.2127)				3291.91	
	TOTAL				386194.42	Y
	Add 15% CPOH on “Y-A”				2815.30	
	TOTAL				389009.72	Z
	Add Cess @ 1% on “Z-A”				215.84	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost for 300m length of pipe				389225.56	
	Extra cost for one metre length				1297.42	
	Say				1297.40	

2.14.3 Hard rock (blasting prohibited)

2.14.3.1 Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 300m length of a pipe of an average dia. say 200mm. Slope assumed 1 in 200. Excavation- 100x0.90x1.75 = 157.50 cum. 200x0.90x(2.00 +3.00)/2= 450 cum. Total = 607.50 cum.					
2.9.3	Rate as per item No. 2.9.3 of SH: Earth Work Refilling, ramming and watering = 607.50 cum	cum	607.500	1523.05	925252.88	A
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock=(2.75 * 607.5/93.60 = 17.85)(Based on Item No 2.13.3.2)	cum	607.500	196.00	119070.00	A
0114	Beldar	day	17.850	736.00	13137.60	
2.13.3.2	Less excavation for depth upto 1.50 m Rate as per Item No.2.13.3.2 of SH: Earth Work	metre	-300.000	2047.30	-614190.00	A
	TOTAL				443270.48	W
	Add 1 % Water charges on “W-A”				131.38	
	TOTAL				443401.86	X
	Add GST on “X-A” (multiplying factor 0.2127)				2822.31	
	TOTAL				446224.17	Y
	Add 15% CPOH on “Y-A”				2413.69	
	TOTAL				448637.86	Z
	Add Cess @ 1% on “Z-A”				185.05	
	Cost for 300m length of pipe				448822.91	
	Extra cost for one metre length				1496.08	
	Say				1496.10	

2.14.3.2 Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 300m length of a pipe of an average dia. say 450mm. Slope assumed 1 in 200. Excavation- 100x1.05x1.75 = 183.75 cum. 200x1.05x(2.00 +3.00)/2= 525.00 cum. Total = 708.75 cum.					
2.9.3	Rate as per item No. 2.9.3 of SH: Earth Work Refilling, ramming and watering = 708.35 cum	cum	708.750	1523.05	1079461.69	A
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	708.750	196.00	138915.00	A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Extra labour for ramming of rock=(2.75 * 708.85/93.60 = 20.82)(Based on Item No 2.13.3.2)					
0114	Beldar	day	20.820	736.00	15323.52	
2.13.3.3	Less for depth upto 1.50 m					
	Rate as per Item No.2.13.3.3 of SH: Earth Work	metre	-300.000	2355.75	-706725.00	A
	TOTAL				526975.21	W
	Add 1 % Water charges on “W-A”				153.24	
	TOTAL				527128.45	X
	Add GST on “X-A” (multiplying factor 0.2127)				3291.91	
	TOTAL				530420.36	Y
	Add 15% CPOH on “Y-A”				2815.30	
	TOTAL				533235.66	Z
	Add Cess @ 1% on “Z-A”				215.84	
	Cost for 300m length of pipe				533451.50	
	Extra cost for one metre length				1778.17	
	Say				1778.15	

2.15 Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 3m in depth but not exceeding 4.5 m. (Rate is over corresponding basic item for depth upto 1.5 metre)

2.15.1 Ordinary rock :

2.15.1.1 Pipes, cables exceeding 300 mm dia but not exceeding 600 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100m length of a pipe of an average dia. say 450 mm. Slope assumed 1 in 200. Max depth assumed 3.5m Excavation- 100x1.05x2 = 210 cum.					
2.9.1	Rate as per item No. 2.9.1 of SH: Earth Work 100x1.90x1.25 = 237.5 cum	cum	210.000	632.95	132919.50	A
2.7.1	Rate as per item No. 2.7.1 of SH: Earth Work Refilling, ramming and watering 210+237.50 = 447.50 cum.	cum	237.500	498.90	118488.75	A
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	447.500	196.00	87710.00	A
	Extra labour for ramming of rock=(2.20 * 447.50/93.60 =10.52)(Based on Item No 2.13.1.2)					
0114	Beldar	day	10.520	736.00	7742.72	
	Less excavation for depth upto 1.50 m					
2.13.1.3	Rate as per item No 2.13.1.3 of SH: Earth Work	metre	-100.000	1149.10	-114910.00	A
	TOTAL				231950.97	W
	Add 1 % Water charges on “W-A”				77.43	
	TOTAL				232028.40	X
	Add GST on “X-A” (multiplying factor 0.2127)				1663.35	
	TOTAL				233691.75	Y
	Add 15% CPOH on “Y-A”				1422.53	
	TOTAL				235114.28	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z-A"				109.06	
	Cost for 100m length of pipe				235223.34	
	Extra cost for one metre length				2352.23	
	Say				2352.25	

2.16 Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).

2.16.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 trench 30m long and 1.5m deep, area= 10x2x30x1.50=900 sqm					
	MATERIAL					
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost					
	Poling boards of					
1198	Second class kail wood in planks	10 cudm	213.750	260.00	55575.00	
	900x0.038 = 34.2 cum = 34200 cudm					
	Qty taken for cost of using once					
	after deducting for credit = 34200x¼x¼ = 2137.5 dm^3					
	Wallings l00mmx 100mm of					
1197	Second class kail wood in scantling	10 cudm	75.000	260.00	19500.00	
	10x4x30x0.10x0.10 = 12cum= 12000 cudm					
	Qty taken for cost of using once after deducting for credit = 12000x¼x¼ = 750 dm^3					
0302	Safeda ballies 125 mm diameter	metre	31.875	44.00	1402.50	
	and 1.5m long					
	10x2x17x1.50 = 510m					
	Qty taken for cost of using once					
	after deducting for credit = 510x¼x¼ = 31.875 m					
	CARRIAGE					
2204	Carriage of Timber	cum	13.125	0.00	0.00	
	Poling boards = 34.2 cum					
	Walling = 12 cum.					
	Balli struts: 3.14/4x$(0.125)^3$x510 = 6.3 cum					
	Total of carriage = 52.5x¼ = 13.125 cum.					
0112	Carpenter 2nd class	day	5.000	816.00	4080.00	
0114	Beldar	day	10.000	736.00	7360.00	
9999	Sundries	L.S.	269.100	2.27	610.86	
	TOTAL				88528.36	W
	Add 1 % Water charges on "W"				885.28	
	TOTAL				89413.64	X
	Add GST on "X" (multiplying factor 0.2127)				19018.28	
	TOTAL				108431.92	Y
	Add 15% CPOH on "Y"				16264.79	
	TOTAL				124696.71	Z
	Add Cess @ 1% on "Z"				1246.97	
	Cost of 900 Sqm.				125943.68	
	Cost per sqm.				139.94	
	Say				139.95	

2.16.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 trench 30m long and 1.5m deep Area 10x2x30x1.50=900 sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of					
1198	Second class kail wood in planks 900x0.038 = 34.2 cum = 34200 cudm Qty taken for cost of using once after deducting for credit = 34200x¼x¼ = 2137.5 dm^3	10 cudm	213.750	260.00	55575.00	
	Walings 100 mmx 100mm of					
1197	Second class kail wood in scantling 10x4x30x0.10x0.10 = 12cum = 12000 cudm Qty taken for cost of using once after deducting for credit = 12000x¼x¼ = 750 dm^3	10 cudm	75.000	260.00	19500.00	
0302	Safeda ballies 125 mm diameter and 1.5m long 10x2x17x1.50 = 510m Qty taken for cost of using once after deducting for credit = 510x¼x¼ = 31.875 m	metre	31.875	44.00	1402.50	
	CARRIAGE					
2204	Carriage of Timber Poling boards = 34.2 cum Walling= 12 cum. Balli struts: 3.14/4x$(0.125)^3$x510 = 6.3 cum Total of carriage = 52.5x¼ = 13.125 cum.	cum	13.125	0.00	0.00	
0112	Carpenter 2nd class	day	7.500	816.00	6120.00	
0114	Beldar	day	20.000	736.00	14720.00	
9999	Sundries	L.S.	404.300	2.27	917.76	
	TOTAL				98235.26	W
	Add 1 % Water charges on “W”				982.35	
	TOTAL				99217.61	X
	Add GST on “X” (multiplying factor 0.2127)				21103.59	
	TOTAL				120321.20	Y
	Add 15% CPOH on “Y”				18048.18	
	TOTAL				138369.38	Z
	Add Cess @ 1% on “Z”				1383.69	
	Cost of 900 Sqm.				139753.07	
	Cost per sqm.				155.28	
	Say				155.30	

2.16.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 trench 30m long and 1.5m deep Area 10x2x30x1.5=900 sqm-					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	MATERIAL					
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost					
	Poling boards of					
1198	Second class kail wood in planks	10 cudm	213.750	260.00	55575.00	
	900x0.038 = 34.2 cum = 34200 cudm					
	Qty taken for cost of using once after deducting for credit = 34200x¼x¼ = 2137.5dm³					
	Wallings 100mmx 100mm of					
1197	Second class kail wood in scantling	10 cudm	75.000	260.00	19500.00	
	10x4x30x0.10x0.10 = I2cum = 12000 dm3					
	Qty taken for cost of using once after deducting for credit = 12000x¼x¼ = 750 dm³					
0302	Safeda ballies 125 mm diameter and 1.5m long	metre	31.875	44.00	1402.50	
	10x2x17x1.5 = 510m					
	Qty taken for cost of using once after deducting for credit = 510x¼x¼ = 31.875 m					
	CARRIAGE					
2204	Carriage of Timber	cum	13.125	0.00	0.00	
	Poling boards = 34.2 cum					
	Walling = 12 cum.					
	Balli struts: 3.14/4x(0.125)³x510 = 6.3 cum					
	Total of carriage = 52.5x¼ = 13.125 cum.					
	LABOUR					
0112	Carpenter 2nd class	day	15.000	816.00	12240.00	
0114	Beldar	day	40.000	736.00	29440.00	
9999	Sundries	L.S.	807.300	2.27	1832.57	
	TOTAL				119990.07	W
	Add 1 % Water charges on “W”				1199.90	
	TOTAL				121189.97	X
	Add GST on “X” (multiplying factor 0.2127)				25777.11	
	TOTAL				146967.08	Y
	Add 15% CPOH on “Y”				22045.06	
	TOTAL				169012.14	Z
	Add Cess @ 1% on “Z”				1690.12	
	Cost of 900 Sqm.				170702.26	
	Cost per sqm.				189.67	
	Say				189.65	

2.17 Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered).

2.17.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 manholes 1.2m x 1.0m x1.5m Surface area: 10x2x(1.2+1.0)x1.5 = 66 sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of					
1198	Second class kail wood in planks 66x0.038 = 2.51 cum = 2510 cudm Qty taken for cost of using once after deducting for credit = 2510x¼x¼ = 156.88 dm^3	10 cudm	15.688	260.00	4078.88	
	Wallings 100mmx 100mm of					
1197	Second class kail wood in scantling 10x2x2x1.124x0.1x0.1 = 0.45 cum 10x2x2x0.924x0.1x0.1 = 0.37 cum. Total Kail wood = 0.82 cum. = 820dm^3 Qty taken for cost of using once after deducting for credit = 820x¼x¼ = 51.25 dm^3	10 cudm	5.125	260.00	1332.50	
0302	Safeda ballies 125 mm diameter and 1.50m long 10x2x2x0.924 = 36.96 10x2x2x0.724 = 28.96 Total of balli = 65.92m Qty taken for cost of using once after deducting for credit = 65.92x¼x¼ = 4.12m	metre	4.120	44.00	181.28	
2204	Carriage of Timber CARRIAGE Poling boards = 2.51 cum Walling = 0.82 cum. Balli struts 3.14/4x$(0.125)^2$x65.92 =0.81 cum. Total of carriage = 4.14 cum x¼ = 1.035 cum	cum	1.035	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.600	816.00	489.60	
0114	Beldar	day	1.200	736.00	883.20	
9999	Sundries	L.S.	27.300	2.27	61.97	
	TOTAL				7027.43	W
	Add 1 % Water charges on “W”				70.27	
	TOTAL				7097.70	X
	Add GST on “X” (multiplying factor 0.2127)				1509.68	
	TOTAL				8607.38	Y
	Add 15% CPOH on “Y”				1291.11	
	TOTAL				9898.49	Z
	Add Cess @ 1% on “Z”				98.98	
	Cost of 66 sqm.				9997.47	
	Cost per sqm.				151.48	
	Say				151.50	

2.17.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 manholes 1.2m x 1.0m x1.5m- Surface area: 10x2x(1.2+1.0)x1.5 = 66sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of					
1198	Second class kail wood in planks 66x0.038 = 2.51 cum = 2510 cudm Qty taken for cost of using once after deducting for credit = 2510x¼x¼ = 156.88 dm^3	10 cudm	15.688	260.00	4078.88	
	Walling of					
1197	Second class kail wood in scantling 10x2x2x1.124x0.1x0.1 = 0.45 cum 10x2x2x0.924x0.1x0.1 = 0.37 cum. Total Kail wood = 0.82 cum. = 820dm^3 Qty taken for cost of using once after deducting for credit = 820x¼x¼ = 51.25 dm^3	10 cudm	5.125	260.00	1332.50	
0302	Safeda ballies 125 mm diameter and 1.5m long 10x2x2x0.924 = 36.96 10x2x2x0.724 = 28.96 Total of balli = 65.92m Qty taken for cost of using once after deducting for credit = 65.92x¼x¼ = 4.12m	metre	4.120	44.00	181.28	
2204	Carriage of Timber CARRIAGE Poling boards = 2.51 cum Walling = 0.82 cum. Balli struts 3.14/4x$(0.125)^2$x65.92 =0.81 cum. Total of carriage = 4.14 cum x¼ = 1.035 cum LABOUR	cum	1.035	0.00	0.00	
0112	Carpenter 2nd class	day	1.200	816.00	979.20	
0114	Beldar	day	2.500	736.00	1840.00	
9999	Sundries	L.S.	54.600	2.27	123.94	
	TOTAL				8535.80	W
	Add 1 % Water charges on “W”				85.36	
	TOTAL				8621.16	X
	Add GST on “X” (multiplying factor 0.2127)				1833.72	
	TOTAL				10454.88	Y
	Add 15% CPOH on “Y”				1568.23	
	TOTAL				12023.11	Z
	Add Cess @ 1% on “Z”				120.23	
	Cost of 66 sqm.				12143.34	
	Cost per sqm.				183.99	
	Say				184.00	

2.17.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 manholes 1.2m x 1.0m x1.5m-					
	Surface area: 10x2x(1.2+1.0)x1.5 = 66 sqm					
	MATERIAL					
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost					
	Poling boards of					
1198	Second class kail wood in planks	10 cudm	15.688	260.00	4078.88	
	66x0.038 = 2.51 cum = 2510 cudm					
	Qty taken for cost of using once after deducting for credit = 2510x¼x¼ = 156.88 dm^3					
	Walling of					
1197	Second class kail wood in scantling	10 cudm	5.125	260.00	1332.50	
	10x2x2x1.124x0.1x0.1 = 0.45 cum					
	10x2x2x0.924x0.1x0.1 = 0.37 cum.					
	Total Kail wood = 0.82 cum. = 820dm^3					
	Qty taken for cost of using once after deducting for credit = 820x¼x¼ = 51.25 dm^3					
0302	Safeda ballies 125 mm diameter and 1.50m long	metre	4.120	44.00	181.28	
	10x2x2x0.924 = 36.96					
	10x2x2x0.724 = 28.96					
	Total of balli = 65.92m					
	Qty taken for cost of using once after deducting for credit = 65.92x¼x¼ = 4.12m					
2204	Carriage of Timber	cum	1.035	0.00	0.00	
	CARRIAGE					
	Poling boards = 2.51 cum					
	Walling = 0.82 cum.					
	Balli struts 3.14/4x$(0.125)^2$x65.92 =0.81 cum.					
	Total of carriage = 4.14 cum x¼ = 1.035 cum					
	LABOUR					
0112	Carpenter 2nd class	day	1.900	816.00	1550.40	
0114	Beldar	day	3.800	736.00	2796.80	
9999	Sundries	L.S.	80.600	2.27	182.96	
	TOTAL				10122.82	W
	Add 1 % Water charges on “W”				101.23	
	TOTAL				10224.05	X
	Add GST on “X” (multiplying factor 0.2127)				2174.66	
	TOTAL				12398.71	Y
	Add 15% CPOH on “Y”				1859.81	
	TOTAL				14258.52	Z
	Add Cess @ 1% on “Z”				142.59	
	Cost of 66 sqm.				14401.11	
	Cost per sqm.				218.20	
	Say				218.20	

2.18 Close timbering over areas including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered):

2.18.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 area 30m long and 1.50m deep-					
	Area -10x30x1.5m = 450 sqm.					
	MATERIAL					
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost					
	Poling boards of					
1198	Second class kail wood in planks	10 cudm	106.875	260.00	27787.50	
	Size 250x38mm = 450x0.038 = 17.1 cum = 17100 cudm					
	Qty taken for cost of using once after					
	deducting for credit = 17100x¼x¼ = 1068.75 dm^3					
	Wallings l00mmx 100mm of					
1197	Second class kail wood in scantling	10 cudm	18.750	260.00	4875.00	
	100x100mm : 10x30x0.10x0.10 = 3 cum = 3000 cudm					
	Qty taken for cost of using once after					
	deducting for credit = 3000x¼x¼ = 187.5 dm^3					
	Raking struts					
0302	Safeda ballies 125 mm diameter	metre	15.900	44.00	699.60	
	10x17 x 1.5 = 255m					
	Qty taken for cost of using once after					
	deducting for credit = 255x¼x¼ = 15.9 m					
2204	Carriage of Timber	cum	5.810	0.00	0.00	
	CARRIAGE					
	Poling boards = 17.1 cum					
	Walling = 3 cum					
	Raking struts 3.14/4x$(0.125)^2$ x255= 3.13 cum					
	Total of carriage = 23.23 cum x¼ = 5.81 cum					
	LABOUR					
0112	Carpenter 2nd class	day	2.500	816.00	2040.00	
0114	Beldar	day	5.000	736.00	3680.00	
9999	Sundries	L.S.	314.600	2.27	714.14	
	TOTAL				39796.24	W
	Add 1 % Water charges on “W”				397.96	
	TOTAL				40194.20	X
	Add GST on “X” (multiplying factor 0.2127)				8549.31	
	TOTAL				48743.51	Y
	Add 15% CPOH on “Y”				7311.53	
	TOTAL				56055.04	Z
	Add Cess @ 1% on “Z”				560.55	
	Cost of 450 Sqm.				56615.59	
	Cost per sqm.				125.81	
	Say				125.80	

2.18.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 area 30m long and 1.5m deep- Area -10x30x1.5m = 450 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of					
1198	Second class kail wood in planks 250x38mm : 450x0.038 = 17.1 cum =17100 cudm Qty taken for cost of using once after deducting for credit = 17100x¼x¼ = 1068.75 dm³ Walling of	10 cudm	106.875	260.00	27787.50	
1197	Second class kail wood in scantling 100x100mm : 10x30x0.10x0.10 = 3cum = 3000 cudm Qty taken for cost of using once after deducting for credit = 3000x¼x¼ = 187.5 dm³ Raking struts	10 cudm	18.750	260.00	4875.00	
0302	Safeda ballies 125 mm diameter 10x17 x 1.5 = 255m Qty taken for cost of using once after deducting for credit = 255x¼x¼ = 15.9 m	metre	15.900	44.00	699.60	
2204	Carriage of Timber CARRIAGE Poling boards = 17.1 cum Walling = 3 cum. Raking struts 3.14/4x(0.125)² x255= 3.13 cum Total of carriage = 23.23 cum x¼ = 5.81 cum LABOUR	cum	5.810	0.00	0.00	
0112	Carpenter 2nd class	day	5.000	816.00	4080.00	
0114	Beldar	day	10.000	736.00	7360.00	
9999	Sundries	L.S.	340.600	2.27	773.16	
	TOTAL				45575.26	W
	Add 1 % Water charges on “W”				455.75	
	TOTAL				46031.01	X
	Add GST on “X” (multiplying factor 0.2127)				9790.80	
	TOTAL				55821.81	Y
	Add 15% CPOH on “Y”				8373.27	
	TOTAL				64195.08	Z
	Add Cess @ 1% on “Z”				641.95	
	Cost of 450 Sqm.				64837.03	
	Cost per sqm.				144.08	
	Say				144.10	

2.18.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 area 30m long and 1.5m deep-					
	Area -10x30x1.5m = 450 sqm.					
	MATERIAL					
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost					
	Poling boards of					
1198	Second class kail wood in planks 250x38mm : 450x0.038 = 17.1 cum = 17100 cudm	10 cudm	106.875	260.00	27787.50	
	Qty taken for cost of using once after deducting for credit = 17100x¼x¼ = 1068.75 dm^3					
	Walling of					
1197	Second class kail wood in scantling 100x100mm : 10x30x0.10x0.10 = 3 cum = 3000 cudm	10 cudm	18.750	260.00	4875.00	
	Qty taken for cost of using once after deducting for credit = 3000x¼x¼ = 187.5 dm^3					
	Raking struts					
0302	Safeda ballies 125 mm diameter and 1.5m long	metre	15.900	44.00	699.60	
	10x17 x 1.50 = 255m					
	Qty taken for cost of using once after deducting for credit = 255x¼x¼ = 15.9 m					
2204	Carriage of Timber	cum	5.810	0.00	0.00	
	CARRIAGE					
	Poling boards = 17.1 cum					
	Walling = 3 cum.					
	Raking struts 3.14/4x$(0.125)^2$x255 = 3.13 cum					
	Total of carriage = 23.23 cum x¼ = 5.81 cum					
	LABOUR					
0112	Carpenter 2nd class	day	7.500	816.00	6120.00	
0114	Beldar	day	15.000	736.00	11040.00	
9999	Sundries	L.S.	475.800	2.27	1080.07	
	TOTAL				51602.17	W
	Add 1 % Water charges on “W”				516.02	
	TOTAL				52118.19	X
	Add GST on “X” (multiplying factor 0.2127)				11085.54	
	TOTAL				63203.73	Y
	Add 15% CPOH on “Y”				9480.56	
	TOTAL				72684.29	Z
	Add Cess @ 1% on “Z”				726.84	
	Cost of 450 Sqm.				73411.13	
	Cost per sqm.				163.14	
	Say				163.15	

2.19 Extra for planking, strutting and packing materials for cavities (in close timbering) if required to be left permanently in position. (Face area of timber permanently left to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a trench 30m long and 1.5m deep area 2x30x1.5=90 sqm- MATERIAL Poling boards of					
1198	Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cudm	10 cudm	299.25	260.00	77805.00	
	Less @ 1/8 of Qty as timber is supposed to be used once before = 3420 - 427.5 = 2992.5 dm ^{3} Walings 100mmx100mm of					
1197	Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum = 1200 cudm	10 cudm	105.00	260.00	27300.00	
	Less @ 1/8 of Qty as timber is supposed to be used once before = 1200 - 150 = 1050 dm ^{3} Struts of					
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.5 = 51m	metre	44.63	44.00	1963.72	
	Less @ 1/8 of Qty as timber is supposed to be used once before = 51 - 6.37 = 44.63 m					
2204	Carriage of Timber Poling boards = 3.42 cum Walling= 1.20 cum. Balli struts: 3.14/4x(0.125) ^{2} x 51 = 0.63 cum = 5.25 cum Taking half = 5.25 x ½ = 2.675 cum	cum	2.675	0.00	0.00	
	TOTAL				107068.72	W
	Add 1 % Water charges on “W”				1070.69	
	TOTAL				108139.41	X
	Add GST on “X” (multiplying factor 0.2127)				23001.25	
	TOTAL				131140.66	Y
	Add 15% CPOH on “Y”				19671.10	
	TOTAL				150811.76	Z
	Add Cess @ 1% on “Z”				1508.12	
	Cost of 90 Sqm.				152319.88	
	Cost per sqm.				1692.44	
	Say				1692.45	

2.20 Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered):

2.20.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a trench of length 30m and 1.50m deep surface area - 2x30x1.5 = 90 sqm. MATERIAL					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost					
	Poling board of					
1198	Second class kail wood in planks 1.5mx0.25x0.038m 2x40x1.5x0.25x0.038= 1.14cum = 1140 cudm Qty taken for cost of using once after deducting for credit = 1140x¼x¼ = 71.25 cudm	10 cudm	7.125	260.00	1852.50	
1197	Second class kail wood in scantling Walling l00mmxl00mm : 4x30mx0.l0mx0.l0m = 1.20cum= 1200 cudm Qty taken for cost of using once after deducting for credit = 1200x¼x¼ = 75 dm^3	10 cudm	7.50	260.00	1950.00	
	Struts of					
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.50 = 51m Qty taken for cost of using once after deducting for credit = 51x¼x¼ = 3.18 m	metre	3.18	44.00	139.92	
2204	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts 3.14/4x(0.125) ^{2} = 0.63 cum Total of carriage = 2.97 cum x ¼ = 0.74	cum	0.74	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.25	816.00	204.00	
0114	Beldar	day	0.50	736.00	368.00	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				4559.28	W
	Add 1 % Water charges on “W”				45.59	
	TOTAL				4604.87	X
	Add GST on “X” (multiplying factor 0.2127)				979.46	
	TOTAL				5584.33	Y
	Add 15% CPOH on “Y”				837.65	
	TOTAL				6421.98	Z
	Add Cess @ 1% on “Z”				64.22	
	Cost of 90 Sqm				6486.20	
	Cost per sqm.				72.07	
	Say				72.05	

2.20.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a trench of length 30m and 1.5m deep surface area - 2x30x1.5 = 90 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of					
1198	Second class kail wood in planks 1.50mx0.25x0.038m 2x40x1.50x0.25x0.038= 1.14cum= 1140 cudm Qty taken for cost of using once after deducting for credit = 1140x¼x¼ = 71.25 dm^3 Wallings of	10 cudm	7.125	260.00	1852.50	
1197	Second class kail wood in scantling 100mmx 100mm: 4x30mx0.l0mx0.l0m = 1.20cum= 1200 cudm Qty taken for cost of using once after deducting for credit = 1200x¼x¼ = 75 dm^3 Struts of	10 cudm	7.50	260.00	1950.00	
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.5 = 51m Qty taken for cost of using once after deducting for credit = 51x¼x¼ = 3.18 m	metre	3.18	44.00	139.92	
2204	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling Ballies struts 3.14/4x(0.125) ^{2} = 0.63 cum Total of carriage = 2.97 cum x ¼ = 0.74 LABOUR	cum	0.74	0.00	0.00	
0112	Carpenter 2nd class	day	0.50	816.00	408.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries	L.S.	33.15	2.27	75.25	
	TOTAL				5161.67	W
	Add 1 % Water charges on “W”				51.62	
	TOTAL				5213.29	X
	Add GST on “X” (multiplying factor 0.2127)				1108.87	
	TOTAL				6322.16	Y
	Add 15% CPOH on “Y”				948.32	
	TOTAL				7270.48	Z
	Add Cess @ 1% on “Z”				72.70	
	Cost of 90 Sqm				7343.18	
	Cost per sqm.				81.59	
	Say				81.60	

2.20.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a trench of length 30m and 1.5m deep surface area - 2x30x1.5 = 90 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Poling boards of					
1198	Second class kail wood in planks 1.50mx0.25x0.038m : 2x40x1.5x0.25x0.038= 1.14 cum =1140 cudm Qty taken for cost of using once after deducting for credit = 1140x¼x¼ = 71.25 dm^3	10 cudm	7.125	260.00	1852.50	
	Wallings of					
1197	Second class kail wood in scantling l00mmxl00mm : 4x30mx0.lmx0.lm = 1.20cum= 1200 cudm Qty taken for cost of using once after deducting for credit = 1200x¼x¼ = 75 dm^3	10 cudm	7.50	260.00	1950.00	
	Struts of					
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.5 = 51m Qty taken for cost of using once after deducting for credit = 51x¼x¼ = 3.18 m	metre	3.18	44.00	139.92	
2204	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts 3.14/4x(0.125) ^{2} = 0.63 cum Total of carriage = 2.97 cum x ¼ = 0.74 LABOUR	cum	0.74	0.00	0.00	
0112	Carpenter 2nd class	day	1.00	816.00	816.00	
0114	Beldar	day	1.75	736.00	1288.00	
9999	Sundries	L.S.	46.67	2.27	105.94	
	TOTAL				6152.36	W
	Add 1 % Water charges on “W”				61.52	
	TOTAL				6213.88	X
	Add GST on “X” (multiplying factor 0.2127)				1321.69	
	TOTAL				7535.57	Y
	Add 15% CPOH on “Y”				1130.34	
	TOTAL				8665.91	Z
	Add Cess @ 1% on “Z”				86.66	
	Cost of 90 Sqm				8752.57	
	Cost per sqm.				97.25	
	Say				97.25	

2.21 Open timbering in case of shafts, wells, cesspits, manholes and the like including strutting and shoring complete (Measurements to be taken of the face area timbered):

2.21.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 manholes 1.2x 1m x 1.5m Surface area 10x2(1.2+1.0)x1.5 = 66 sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of					
1198	Second class kail wood in planks 250mm wide and 38mm thick 10x6x0.25xl.5x0.038 = 0.86 cum = 860cudm Qty taken for cost of using once after deducting for credit = 860x¼x¼ = 53.75 dm^3 Walling l00mmxl00mm of	10 cudm	5.375	260.00	1397.50	
1197	Second class kail wood in scantling 10x4x1.2x0.1x0.1 = 0.48 cum = 480 dm^3 Qty taken for cost of using once after deducting for credit = 480x¼x¼ = 30 dm^3 Struts of	10 cudm	3.000	260.00	780.00	
0302	Safeda ballies 125 mm diameter [(4x1.0)+(2x1.2)]x10 = 64m Qty taken for cost of using once after deducting for credit = 64x¼x¼ = 4 m	metre	4.000	44.00	176.00	
2204	Carriage of Timber CARRIAGE : Poling boards = 0.86 cum Walling = 0.48 cum Ballies struts 3.14/4x(0.125) ^{2} x 64 = 0.79 cum Total of carriage = 2.13 cum x¼ = 0.53 cum LABOUR	cum	0.530	0.00	0.00	
0112	Carpenter 2nd class	day	0.300	816.00	244.80	
0114	Beldar	day	0.600	736.00	441.60	
9999	Sundries	L.S.	18.200	2.27	41.31	
	TOTAL				3081.21	W
	Add 1 % Water charges on “W”				30.81	
	TOTAL				3112.02	X
	Add GST on “X” (multiplying factor 0.2127)				661.93	
	TOTAL				3773.95	Y
	Add 15% CPOH on “Y”				566.09	
	TOTAL				4340.04	Z
	Add Cess @ 1% on “Z”				43.40	
	Cost of 66 sqm.				4383.44	
	Cost per sqm.				66.42	
	Say				66.40	

2.21.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 manholes 1.2x 1m x 1.5m					
	Surface area 10x2(1.2+1.0)x1.5 = 66 sqm					
	MATERIAL					
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost					
	Polling boards of					
1198	Second class kail wood in planks	10 cudm	5.375	260.00	1397.50	
	250mm wide and 38mm thick :					
	10x6x0.25x1.50x0.038 = 0.86 cum = 860cudm					
	Qty taken for cost of using once after					
	deducting for credit = 860x¼x¼ = 53.75 dm^3					
	Walling 100mmxl00mm of					
1197	Second class kail wood in scantling	10 cudm	3.000	260.00	780.00	
	10x4x1.20x0.10x0.10 = 0.48 cum = 480 dm^3					
	Qty taken for cost of using once after					
	deducting for credit = 480x¼x¼ = 30 dm^3					
	Struts of					
0302	Safeda ballies 125 mm diameter	metre	4.000	44.00	176.00	
	[(4x1.00)+(2x1.20)]x10 = 64m					
	Qty taken for cost of using once after					
	deducting for credit = 64x¼x¼ = 4 m					
2204	Carriage of Timber	cum	0.530	0.00	0.00	
	CARRIAGE :					
	Poling boards = 0.86 cum					
	Walling = 0.48 cum					
	Ballies struts 3.14/4x(0.125) ^{2} x 64 = 0.79 cum					
	Total of carriage = 2.13 cum x¼ = 0.53 cum					
	LABOUR					
0112	Carpenter 2nd class	day	0.600	816.00	489.60	
0114	Beldar	day	1.200	736.00	883.20	
9999	Sundries	L.S.	27.300	2.27	61.97	
	TOTAL				3788.27	W
	Add 1 % Water charges on “W”				37.88	
	TOTAL				3826.15	X
	Add GST on “X” (multiplying factor 0.2127)				813.82	
	TOTAL				4639.97	Y
	Add 15% CPOH on “Y”				696.00	
	TOTAL				5335.97	Z
	Add Cess @ 1% on “Z”				53.36	
	Cost of 66 sqm.				5389.33	
	Cost per sqm.				81.66	
	Say				81.65	

2.21.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 manholes 1.2x 1m x1.5m					
	Surface area 10x2(1.20+1.00)x1.50 = 66 sqm					
	MATERIAL					
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost					
	Polling boards of					
1198	Second class kail wood in planks 250mm wide and 38mm thick : 10x6x0.25x1.50x0.038 = 0.86 cum = 860cudm	10 cudm	5.375	260.00	1397.50	
	Qty taken for cost of using once after deducting for credit = 860x¼x¼ = 53.75 dm^3					
	Walling 100mmxl00mm of					
1197	Second class kail wood in scantling 10x4x1.2x0.10x0.10 = 0.48 cum = 480 dm^3	10 cudm	3.000	260.00	780.00	
	Qty taken for cost of using once after deducting for credit = 480x¼x¼ = 30 dm^3					
	Struts of					
0302	Safeda ballies 125 mm diameter [(4x1.0)+(2x1.2)]x10 = 64m	metre	4.000	44.00	176.00	
	Qty taken for cost of using once after deducting for credit = 64x¼x¼ = 4 m					
2204	Carriage of Timber	cum	0.530	0.00	0.00	
	CARRIAGE :					
	Poling boards = 0.86 cum					
	Walling = 0.48 cum					
	Ballies struts 3.14/4x(0.125) ^{2} x 64 = 0.79 cum					
	Total of carriage = 2.13 cum x¼ = 0.53 cum					
	LABOUR					
0112	Carpenter 2nd class	day	1.000	816.00	816.00	
0114	Beldar	day	2.000	736.00	1472.00	
9999	Sundries	L.S.	36.400	2.27	82.63	
	TOTAL				4724.13	W
	Add 1 % Water charges on “W”				47.24	
	TOTAL				4771.37	X
	Add GST on “X” (multiplying factor 0.2127)				1014.87	
	TOTAL				5786.24	Y
	Add 15% CPOH on “Y”				867.94	
	TOTAL				6654.18	Z
	Add Cess @ 1% on “Z”				66.54	
	Cost of 66 sqm.				6720.72	
	Cost per sqm.				101.83	
	Say				101.85	

2.22 Open timbering over areas including strutting, shoring etc. complete. (Measurements to be taken of the face area timbered):

2.22.1 Depth not exceeding 1.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 area 30m long and 1.5m deep area = 10x30 x 1.5 = 450 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of					
1198	Second class kail wood in planks 250mm x 38mm 10x40x1.50x0.25x0.038 = 5.7cum. = 5700 dm^3 Qty taken for cost of using once after deducting for credit = 5700x¼x¼ = 356.25 dm^3 Raking struts-	10 cudm	35.625	260.00	9262.50	
0302	Safeda ballies 125 mm diameter 10x40x1.50 = 600m Qty taken for cost of using once after deducting for credit = 600x¼x¼ = 37.5 m	metre	37.500	44.00	1650.00	
2204	Carriage of Timber CARRIAGE : Poling boards = 5.7 cum Ballies 10x40x1.5x3.14/4x0.125^2 = 7.4 cum. Total for carriage = 13.1 cum x ¼ = 3.275 cum LABOUR	cum	3.275	0.00	0.00	
0112	Carpenter 2nd class	day	1.200	816.00	979.20	
0114	Beldar	day	2.500	736.00	1840.00	
9999	Sundries	L.S.	197.600	2.27	448.55	
	TOTAL				14180.25	W
	Add 1 % Water charges on “W”				141.80	
	TOTAL				14322.05	X
	Add GST on “X” (multiplying factor 0.2127)				3046.30	
	TOTAL				17368.35	Y
	Add 15% CPOH on “Y”				2605.25	
	TOTAL				19973.60	Z
	Add Cess @ 1% on “Z”				199.74	
	Cost of 450 sqm.				20173.34	
	Cost per sqm.				44.83	
	Say				44.85	

2.22.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 area 30m long and 1.5m deep area = 10x30 x 1.5 = 450 sqm. MATERIAL					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of					
1198	Second class kail wood in planks 250mm x 38mm 10x40x1.50x0.25x0.038 = 5.7cum. = 5700 dm^3 Qty taken for cost of using once after deducting for credit = 5700x¼x¼ = 356.25 dm^3	10 cudm	35.625	260.00	9262.50	
	Raking struts-					
0302	Safeda ballies 125 mm diameter 10x40x1.50 = 600m Qty taken for cost of using once after deducting for credit = 600x¼x¼ = 37.5 m	metre	37.500	44.00	1650.00	
2204	Carriage of Timber CARRIAGE : Poling boards = 5.7 cum Ballies 10x40x1.5x3.14/4x0.125^2 = 7.4 cum. Total for carriage = 13.1 cum x ¼ = 3.275 cum	cum	3.275	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	2.500	816.00	2040.00	
0114	Beldar	day	5.000	736.00	3680.00	
9999	Sundries	L.S.	331.500	2.27	752.51	
	TOTAL				17385.01	W
	Add 1 % Water charges on “W”				173.85	
	TOTAL				17558.86	X
	Add GST on “X” (multiplying factor 0.2127)				3734.77	
	TOTAL				21293.63	Y
	Add 15% CPOH on “Y”				3194.04	
	TOTAL				24487.67	Z
	Add Cess @ 1% on “Z”				244.88	
	Cost of 450 sqm.				24732.55	
	Cost per sqm.				54.96	
	Say				54.95	

2.22.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 area 30m long and 1.5m deep area = 10x30 x 1.50 = 450 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost Polling boards of					
1198	Second class kail wood in planks 250mm x 38mm	10 cudm	35.625	260.00	9262.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	10x40x1.50x0.25x0.038 = 5.7cum. = 5700 dm^3					
	Qty taken for cost of using once after deducting for credit = 5700x¼x¼ = 356.25 dm^3					
	Raking struts-					
0302	Safeda ballies 125 mm diameter	metre	37.500	44.00	1650.00	
	10x40x1.50 = 600m					
	Qty taken for cost of using once after deducting for credit = 600x¼x¼ = 37.5 m					
2204	Carriage of Timber	cum	3.275	0.00	0.00	
	CARRIAGE :					
	Poling boards = 5.7 cum					
	Ballies 10x40x1.5x3.14/4x0.125^2 = 7.4 cum.					
	Total for carriage = 13.1 cum x ¼ = 3.275 cum					
	LABOUR					
0112	Carpenter 2nd class	day	5.000	816.00	4080.00	
0114	Beldar	day	8.800	736.00	6476.80	
9999	Sundries	L.S.	475.800	2.27	1080.07	
	TOTAL				22549.37	W
	Add 1 % Water charges on “W”				225.49	
	TOTAL				22774.86	X
	Add GST on “X” (multiplying factor 0.2127)				4844.21	
	TOTAL				27619.07	Y
	Add 15% CPOH on “Y”				4142.86	
	TOTAL				31761.93	Z
	Add Cess @ 1% on “Z”				317.62	
	Cost of 450 sqm.				32079.55	
	Cost per sqm.				71.29	
	Say				71.30	

2.23 Extra for planking and strutting in open timbering if required to be left permanently in position. (Face area of the timber permanently left to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a trench of length 30m and 1.5m deep surface area - 2x30x1.5 = 90 sqm.					
	MATERIAL					
	Poling boards of					
1198	Second class kail wood in planks	10 cudm	99.75	260.00	25935.00	
	1.50mx0.25x0.038					
	2x40x1.50x0.25x0.038 = 1.14cum = 1140 cudm					
	Less @ 1/8 of Qty as timber is supposed to be used once before = 1140 - 142.5 = 997.5 dm^3					
	Walling 100mmx 100mm of					
1197	Second class kail wood in scantling	10 cudm	105.00	260.00	27300.00	
	4x30mx0.10 mx0.10 m = 1.20cum= 1200 cudm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Less @ 1/8 of Qty as timber is supposed to be used once before = 1200 - 150 = 1050 dm^3					
	Struts of					
0302	Safeda ballies 125 mm diameter and 1.5m long	metre	44.63	44.00	1963.72	
	2x17x1.5= 51m					
	Less @ 1/8 of Qty as timber is supposed to be used once before = 51 - 6.37 = 44.63 m					
2204	Carriage of Timber	cum	1.485	0.00	0.00	
	Poling boards = 1.14 cum					
	Walling = 1.20 cum					
	Ballies struts 51x3.14x¼x0.125^2 = 0.63 cum					
	Total of carriage = 2.97 cum Taking half = 2.97 x ½ = 1.485 cum					
	TOTAL				55198.72	W
	Add 1 % Water charges on “W”				551.99	
	TOTAL				55750.71	X
	Add GST on “X” (multiplying factor 0.2127)				11858.18	
	TOTAL				67608.89	Y
	Add 15% CPOH on “Y”				10141.33	
	TOTAL				77750.22	Z
	Add Cess @ 1% on “Z”				777.50	
	Cost of 90 sqm.				78527.72	
	Cost per sqm.				872.53	
	Say				872.55	

2.24 Extra rates for quantities of works, executed:

2.24.1 In or under water and/or liquid mud, including pumping out water as required

Code	Description	Unit	Quantity	Amount ₹
	Extra due to slow progress and dewatering: 20% of the rate of the item	metre depth	(20% of the rate of the item. The extra percentage in rate is applicable in respect of each item but limited to quantities of work executed in difficult condition.)	
	Cost of 1 metre depth			20.00%
	Say			20.00%

2.24.2 In or under foul position, including pumping out water as required

Code	Description	Unit	Quantity	Amount ₹	
	Extra due to slow progress and dewatering: 25% of the rate of the item	metre depth	(25% of the rate of the item. This pertains to only such. Pumping of water as is envisaged at the time of tendering and don't include those that covered under contractual risk)		
	Cost of 1 metre depth			25.00%	
	Say			25.00%	

Note for item no. 2.24:- The extra percentage rate is applicable in respect of each item but limited to quantities of work executed in these difficult conditions. The unit, namely, metre depth, to be considered for payment, shall be the depth measured from the sub soil water level up to the centre of gravity of the qty executed in difficult conditions. The depth shall be reckoned correct to 0.10 m, (0.05 m or more shall be taken as 0.10 m and less than 0.05 m ignored.)

2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	LABOUR					
0114	Beldar	day	0.450	736.00	331.20	
0115	Coolie	day	1.208	736.00	889.09	
0101	Bhisti	day	0.18	816.00	146.88	
9999	Sundries (Minor T&P)	L.S.	4.61	2.27	10.46	
	TOTAL				1377.63	W
	Add 1 % Water charges on "W"				13.78	
	TOTAL				1391.41	X
	Add GST on "X" (multiplying factor 0.2127)				295.95	
	TOTAL				1687.36	Y
	Add 15% CPOH on "Y"				253.10	
	TOTAL				1940.46	Z
	Add Cess @ 1% on "Z"				19.40	
	Cost of 10 cum.				1959.86	
	Cost of 1 cum.				195.99	
	Say				196.00	

2.25(a) Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.

Code No	Description	Unit	Quantity	Rate	Amount	
	Details of cost for 10 cum					
0020	Hydraulic Excavator (3D) with driver and fuel. (Cofficient from item No 2.6.1)	day	0.080	7850.00	628.00	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0128	Mate	day	0.04	816.00	32.64	
0114	Beldar (1/2x0.89=0.45 day)	day	0.45	736.00	331.20	
0115	Coolie	day	1.208	736.00	889.09	
0101	Bhisti	day	0.18	816.00	146.88	
	Carriage of materials upto 5 km					
1.1.2	Rate as per item No 1.1.2 of SH:1 carriage of materials including loading, unloading and stacking	cum	10.00	326.68	3266.80	A
0979	Royalty for good earth	cum	10.00	60.00	600.00	
	TOTAL				5894.61	W
	Add 1 % Water charges on “W-A”				26.28	
	TOTAL				5920.89	X
	Add GST on “X-A” (multiplying factor 0.2127)				564.52	
	TOTAL				6485.41	Y
	Add 15% CPOH on “Y-A”				482.79	
	TOTAL				6968.20	Z
	Add Cess @ 1% on “Z-A”				37.01	
	Cost of 10 cum				7005.21	
	Cost of 1 cum				700.52	
	Say				700.50	

2.26 Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.

2.26.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	LABOUR					
0128	Mate	day	0.10	816.00	81.60	
0114	Beldar	day	1.10	736.00	809.60	
	TOTAL				891.20	W
	Add 1 % Water charges on “W”				8.91	
	TOTAL				900.11	X
	Add GST on “X” (multiplying factor 0.2127)				191.45	
	TOTAL				1091.56	Y
	Add 15% CPOH on “Y”				163.73	
	TOTAL				1255.29	Z
	Add Cess @ 1% on “Z”				12.55	
	Cost of 10 cum.				1267.84	
	Cost of 1 cum.				126.78	
	Say				126.80	

2.26.2 Ordinary or hard rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	LABOUR					
0128	Mate	day	0.20	816.00	163.20	
0114	Beldar	day	1.95	736.00	1435.20	
	TOTAL				1598.40	W
	Add 1 % Water charges on “W”				15.98	
	TOTAL				1614.38	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				343.38	
	TOTAL				1957.76	Y
	Add 15% CPOH on “Y”				293.66	
	TOTAL				2251.42	Z
	Add Cess @ 1% on “Z”				22.51	
	Cost of 10 cum.				2273.93	
	Cost of 1 cum.				227.39	
	Say				227.40	

2.27 Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	MATERIAL					
6501	Sand zone V (Jamuna)	cum	10.00	1320.00	13200.00	
2335	Carriage of Jamuna sand	cum	10.00	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.89	736.00	655.04	
0115	Coolie	day	1.07	736.00	787.52	
0101	Bhisti	day	0.35	816.00	285.60	
	TOTAL				14928.16	W
	Add 1 % Water charges on “W”				149.28	
	TOTAL				15077.44	X
	Add GST on “X” (multiplying factor 0.2127)				3206.97	
	TOTAL				18284.41	Y
	Add 15% CPOH on “Y”				2742.66	
	TOTAL				21027.07	Z
	Add Cess @ 1% on “Z”				210.27	
	Cost of 10 cum.				21237.34	
	Cost of 1 cum.				2123.73	
	Say				2123.75	

2.28 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.

2.28.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	LABOUR					
0114	Beldar	day	1.97	736.00	1449.92	
0115	Coolie	day	1.29	736.00	949.44	
	TOTAL				2399.36	W
	Add 1 % Water charges on “W”				23.99	
	TOTAL				2423.35	X
	Add GST on “X” (multiplying factor 0.2127)				515.45	
	TOTAL				2938.80	Y
	Add 15% CPOH on “Y”				440.82	
	TOTAL				3379.62	Z
	Add Cess @ 1% on “Z”				33.80	
	Cost of 100 sqm.				3413.42	
	Cost of 1 sqm.				34.13	
	Say				34.15	

2.29 Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same.

2.29.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	LABOUR					
0114	Beldar	day	2.75	736.00	2024.00	
0101	Bhisti	day	0.50	816.00	408.00	
	TOTAL				2432.00	W
	Add 1 % Water charges on “W”				24.32	
	TOTAL				2456.32	X
	Add GST on “X” (multiplying factor 0.2127)				522.46	
	TOTAL				2978.78	Y
	Add 15% CPOH on “Y”				446.82	
	TOTAL				3425.60	Z
	Add Cess @ 1% on “Z”				34.26	
	Cost of 100 sqm.				3459.86	
	Cost of 1 sqm.				34.60	
	Say				34.60	

2.30 Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.

2.30.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes-					
	Earth work 10 x 0.30 (avg) = 3.0 cum					
2.8.1	Rate as per item no. 2.8.1 of SH: Earth work	cum	3.00	260.30	780.90	A
	Extra labour for filling and ramming					
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				811.59	W
	Add 1 % Water charges on “W-A”				0.31	
	TOTAL				811.90	X
	Add GST on “X-A” (multiplying factor 0.2127)				6.59	
	TOTAL				818.49	Y
	Add 15% CPOH on “Y-A”				5.64	
	TOTAL				824.13	Z
	Add Cess @ 1% on “Z-A”				0.43	
	Cost of 10 holes				824.56	
	Cost of 1 hole				82.46	
	Say				82.45	

2.30.2 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes-					
	Earth work 10 x 0.3 (avg) = 3.0 cum					
2.9.1	Rate as per Item Number 2.9.1 of SH: Earth Work	cum	3.00	632.95	1898.85	A
	Extra labour for filling and ramming					
9999	Sundries	L.S.	13.52	2.27	30.69	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1929.54	W
	Add 1 % Water charges on “W-A”				0.31	
	TOTAL				1929.85	X
	Add GST on “X-A” (multiplying factor 0.2127)				6.59	
	TOTAL				1936.44	Y
	Add 15% CPOH on “Y-A”				5.64	
	TOTAL				1942.08	Z
	Add Cess @ 1% on “Z-A”				0.43	
	Cost of 10 holes				1942.51	
	Cost of 1 hole				194.25	
	Say				194.25	

2.30.3 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes-					
	Earth work 10 x 0.3 (avg) = 3.0 cum					
2.9.2	Rate as per Item Number 2.9.2 of SH: Earth Work	cum	3.00	1049.80	3149.40	A
9999	Extra labour for filling and ramming Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				3180.09	W
	Add 1 % Water charges on “W-A”				0.31	
	TOTAL				3180.40	X
	Add GST on “X-A” (multiplying factor 0.2127)				6.59	
	TOTAL				3186.99	Y
	Add 15% CPOH on “Y-A”				5.64	
	TOTAL				3192.63	Z
	Add Cess @ 1% on “Z-A”				0.43	
	Cost of 10 holes				3193.06	
	Cost of 1 hole				319.31	
	Say				319.30	

2.30.4 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes-					
	Earth work 10 x 0.3 (avg) = 3.0 cum					
2.9.3	Rate as per Item Number 2.9.3 of SH: Earth Work	cum	3.00	1523.05	4569.15	A
9999	Extra labour for filling and ramming Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				4599.84	W
	Add 1 % Water charges on “W-A”				0.31	
	TOTAL				4600.15	X
	Add GST on “X-A” (multiplying factor 0.2127)				6.59	
	TOTAL				4606.74	Y
	Add 15% CPOH on “Y-A”				5.64	
	TOTAL				4612.38	Z
	Add Cess @ 1% on “Z-A”				0.43	
	Cost of 10 holes				4612.81	
	Cost of 1 hole				461.28	
	Say				461.30	

2.31 Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	LABOUR					
0114	Beldar	day	1.08	736.00	794.88	
0115	Coolie	day	0.60	736.00	441.60	
	TOTAL				1236.48	W
	Add 1 % Water charges on “W”				12.36	
	TOTAL				1248.84	X
	Add GST on “X” (multiplying factor 0.2127)				265.63	
	TOTAL				1514.47	Y
	Add 15% CPOH on “Y”				227.17	
	TOTAL				1741.64	Z
	Add Cess @ 1% on “Z”				17.42	
	Cost of 100 sqm.				1759.06	
	Cost of 1 sqm.				17.59	
	Say				17.60	

2.32 Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	LABOUR					
0114	Beldar	day	0.60	736.00	441.60	
0115	Coolie	day	0.25	736.00	184.00	
9999	Sundries	L.S.	1.82	2.27	4.13	
	TOTAL				629.73	W
	Add 1 % Water charges on “W”				6.30	
	TOTAL				636.03	X
	Add GST on “X” (multiplying factor 0.2127)				135.28	
	TOTAL				771.31	Y
	Add 15% CPOH on “Y”				115.70	
	TOTAL				887.01	Z
	Add Cess @ 1% on “Z”				8.87	
	Cost of 100 sqm				895.88	
	Cost of 1 sqm				8.96	
	Say				8.95	

2.33 Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.

2.33.1 Beyond 30 cm girth upto and including 60 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one tree of 15cm dia and average height 3m LABOUR quantity of wood- 3.14/4x0.15x0.15x3 = 0.053 cum. Add 20% for branches = 0.011 cum.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total = 0.064 cum.					
	Labour for cutting in trees removing the roots from the soil and then filling in Pit and depresions.					
0114	Beldar	day	0.33	736.00	242.88	
0115	Coolie	day	0.17	736.00	125.12	
9999	Sundries	L.S.	2.73	2.27	6.20	
	TOTAL				374.20	W
	Add 1 % Water charges on “W”				3.74	
	TOTAL				377.94	X
	Add GST on “X” (multiplying factor 0.2127)				80.39	
	TOTAL				458.33	Y
	Add 15% CPOH on “Y”				68.75	
	TOTAL				527.08	Z
	Add Cess @ 1% on “Z”				5.27	
	Cost of one tree				532.35	
	Say				532.35	

2.33.2 Beyond 60 cm girth upto and including 120 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a tree of average girth 90cm, average dia. 0.3m and length 5m LABOUR					
	quantity of wood- (22x0.30x0.30x5)/7x4 = 0.35 cum + 20% branches = 0.07 cum. Total = 0.42 cum					
	Labour for cutting trees, removing roots from the soil and filling in pit & depressions:					
0114	Beldar	day	1.50	736.00	1104.00	
0115	Coolie	day	0.75	736.00	552.00	
9999	Sundries	L.S.	5.46	2.27	12.39	
	TOTAL				1668.39	W
	Add 1 % Water charges on “W”				16.68	
	TOTAL				1685.07	X
	Add GST on “X” (multiplying factor 0.2127)				358.41	
	TOTAL				2043.48	Y
	Add 15% CPOH on “Y”				306.52	
	TOTAL				2350.00	Z
	Add Cess @ 1% on “Z”				23.50	
	Cost of one tree				2373.50	
	Say				2373.50	

2.33.3 Beyond 120 cm girth upto and including 240 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a tree of average girth 180cm, average dia. 0.6m and length 7m LABOUR					
	quantity of wood- (22x06x0.60x7)/7x4 = 1.98 cum.+ 20% branches = 0.40 cum. Total = 2.38 cum.					
	Labour for cutting trees, removing roots from the soil and filling in pit & depressions:					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	7.00	736.00	5152.00	
0115	Coolie	day	3.50	736.00	2576.00	
9999	Sundries	L.S.	8.06	2.27	18.30	
	TOTAL				7746.30	W
	Add 1 % Water charges on “W”				77.46	
	TOTAL				7823.76	X
	Add GST on “X” (multiplying factor 0.2127)				1664.11	
	TOTAL				9487.87	Y
	Add 15% CPOH on “Y”				1423.18	
	TOTAL				10911.05	Z
	Add Cess @ 1% on “Z”				109.11	
	Cost of one tree				11020.16	
	Say				11020.15	

2.33.4 Above 240 cm girth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a tree of average girth 300cm, average dia. 1m and length 10m LABOUR					
	quantity of wood- (22 x 1 x 1 x 10)/7x4 = 7.86 cum + 20% Branches = 1.57 cum. Total = 9.43 cum.					
	Labour for cutting trees, removing roots from the soil and filling in pit & depressions:					
0114	Beldar	day	14.00	736.00	10304.00	
0115	Coolie	day	7.00	736.00	5152.00	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				15517.09	W
	Add 1 % Water charges on “W”				155.17	
	TOTAL				15672.26	X
	Add GST on “X” (multiplying factor 0.2127)				3333.49	
	TOTAL				19005.75	Y
	Add 15% CPOH on “Y”				2850.86	
	TOTAL				21856.61	Z
	Add Cess @ 1% on “Z”				218.57	
	Cost of one tree				22075.18	
	Say				22075.20	

2.34 Supplying chemical emulsion in sealed containers including delivery as specified.

2.34.1 Chlorpyriphos/ Lindane emulsifiable concentrate of 20%

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 100 litres					
7022	Chlorpyriphos 20% E.C. / Lindane 20% E.C.	litre	100.00	165.00	16500.00	
2342	Carriage of solvent/ Diesel.	quintal	1.00	0.00	0.00	
	TOTAL				16500.00	W
	Add 1 % Water charges on “W”				165.00	
	TOTAL				16665.00	X
	Add GST on “X” (multiplying factor 0.2127)				3544.65	
	TOTAL				20209.65	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				3031.45	
	TOTAL				23241.10	Z
	Add Cess @ 1% on "Z"				232.41	
	Cost for 100 litres				23473.51	
	Cost for 1 litre				234.74	
	Say				234.75	

2.35 Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :

2.35.1 Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:

2.35.1.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metres					
	MATERIAL					
	Chlorpyriphos 1% concentration = 10.0x 0.30x7.5 = 22.5 litres					
	Chlorpyriphos 20% required = 22.5/20 = 1.125 litres					
	Chlorpyriphos 20% E.C. / Lindane 20% E.C. 1.125 litres (to be supplied free of cost)					
	LABOUR					
0114	Beldar (for excavating channel) rodding in chemical spraying the emulssion and refilling the same	day	0.33	736.00	242.88	
9999	Sundries, rent of sprayer etc.	L.S.	13.52	2.27	30.69	
	TOTAL				273.57	W
	Add 1 % Water charges on "W"				2.74	
	TOTAL				276.31	X
	Add GST on "X" (multiplying factor 0.2127)				58.77	
	TOTAL				335.08	Y
	Add 15% CPOH on "Y"				50.26	
	TOTAL				385.34	Z
	Add Cess @ 1% on "Z"				3.85	
	Cost for 10 metres				389.19	
	Cost for 1 metre				38.92	
	Say				38.90	

2.35.2 Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:

2.35.2.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metres					
	MATERIAL					
	Chlorpyriphos 1% concentration = 10x 2.25 = 22.5 litres					
	Chlorpyriphos 20% required = 22.50/20 = 1.125 litres					
	Chlorpyriphos 20% E.C. / Lindane 20% E.C. 1.125 litres (to be supplied free of cost)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	LABOUR					
0114	Beldar (for drilling holes and injecting chemical)	day	0.40	736.00	294.40	
9999	Sundries and rent of a sprayer and mortar and making good the holes	L.S.	35.88	2.27	81.45	
	TOTAL				375.85	W
	Add 1 % Water charges on “W”				3.76	
	TOTAL				379.61	X
	Add GST on “X” (multiplying factor 0.2127)				80.74	
	TOTAL				460.35	Y
	Add 15% CPOH on “Y”				69.05	
	TOTAL				529.40	Z
	Add Cess @ 1% on “Z”				5.29	
	Cost for 10 metres				534.69	
	Cost for 1 metre				53.47	
	Say				53.45	

2.35.3 Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:

2.35.3.1 With Chlorpyriphos/Lindane E.C. 20% with 1% concentration

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 9 sqm. (3 metre x 3 metre) No. of holes - 100 nos. MATERIAL Chlorpyriphos 1% required 100x1 litre = 100 litres Chlorpyriphos 20% E.C. = 100/20 = 5.0 litres Chlorpyriphos 20% E.C. / Lindane 20% E.C. 5 litres (to be supplied free of cost) LABOUR					
0114	Beldar (For making holes & spraying)	day	2.00	736.00	1472.00	
0124	Mason 2nd class	day	0.50	816.00	408.00	
9999	Sundries, rent of sprayer and mortar	L.S.	35.88	2.27	81.45	
	TOTAL				1961.45	W
	Add 1 % Water charges on “W”				19.61	
	TOTAL				1981.06	X
	Add GST on “X” (multiplying factor 0.2127)				421.37	
	TOTAL				2402.43	Y
	Add 15% CPOH on “Y”				360.36	
	TOTAL				2762.79	Z
	Add Cess @ 1% on “Z”				27.63	
	Cost for 9 square metre				2790.42	
	Cost per square metre				310.05	
	Say				310.05	

2.35.4 Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole :

2.35.4.1 With Chlorpyriphos/Lindane E.C. 20% with 1% concentration

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metres					
	MATERIAL					
	No. of holes 10.0/0.30 = 33.33+1 = 34.33 holes. Say 34 holes					
	chlorpyriphos 1% concentration required = 34x1.0 = 34.00 litres					
	Chlorpyriphos 20% E.C. required 34.00/20 = 1.70 litres					
	Chlorpyriphos 20% E.C. / Lindane 20% E.C. 1.7 litres (to be supplied free of cost)					
	LABOUR					
0114	Beldar	day	0.30	736.00	220.80	
0124	Mason 2nd class	day	0.05	816.00	40.80	
9999	Sundries, rent of pump etc.	L.S.	17.94	2.27	40.72	
	TOTAL				302.32	W
	Add 1 % Water charges on “W”				3.02	
	TOTAL				305.34	X
	Add GST on “X” (multiplying factor 0.2127)				64.95	
	TOTAL				370.29	Y
	Add 15% CPOH on “Y”				55.54	
	TOTAL				425.83	Z
	Add Cess @ 1% on “Z”				4.26	
	Cost for 10 metres				430.09	
	Cost for 1 metre				43.01	
	Say				43.00	

2.35.5 Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metres					
	MATERIAL					
	No. of holes 10.0/0.15 = 66.67+1 = 67.67 holes. Say 68 holes					
	Chlordane 1% concentration required = 68 x 0.5 = 34.00 litres					
	Chlordane 20% E.C. required 34.00/20=1.70 litres					
	Chlordane 20% E.C./ Lindane 20% E.C. 1.7 litres (to be supplied free of cost)					
	Kerosene oil = 34-1.7 = 32.30 litres					
0771	Kerosene oil	litre	32.30	50.00	1615.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.20	816.00	163.20	
	(For making holes and plugging the same)					
0114	Beldar	day	0.20	736.00	147.20	
	for injecting chemical					
9999	Sundries	L.S.	17.94	2.27	40.72	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1966.12	W
	Add 1 % Water charges on “W”				19.66	
	TOTAL				1985.78	X
	Add GST on “X” (multiplying factor 0.2127)				422.38	
	TOTAL				2408.16	Y
	Add 15% CPOH on “Y”				361.22	
	TOTAL				2769.38	Z
	Add Cess @ 1% on “Z”				27.69	
	Cost for 10 metres				2797.07	
	Cost for 1 metre				279.71	
	Say				279.70	

2.36 Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	LABOUR					
0128	Mate	day	0.08	816.00	65.28	
0115	Beldar/ Coolie	day	0.80	736.00	588.80	
	TOTAL				654.08	W
	Add 1 % Water charges on “W”				6.54	
	TOTAL				660.62	X
	Add GST on “X” (multiplying factor 0.2127)				140.51	
	TOTAL				801.13	Y
	Add 15% CPOH on “Y”				120.17	
	TOTAL				921.30	Z
	Add Cess @ 1% on “Z”				9.21	
	Cost of 10 cum.				930.51	
	Cost of 1 cum.				93.05	
	Say				93.05	

2.37 Supply and stacking of Fly ash conforming to IRC- 58 at site, including carriage, loading , unloading & stacking up to any lead (measured stacks will be reduced by 20% for payment).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	Ref :- Based on DAR Item No : 1.1.1					
	Labour and carriage					
1980	Flyash	cum	1.00	12.00	12.00	
	(Available free of cost at thermal power plant at Baderpur power plant. Lead = 35 km)					
2262	Carriage of Flyash	cum	1.00	185.55	185.55	
	(1st Lead 0 to 5km)					
	TOTAL				197.55	W
	Add 1 % Water charges on “W”				1.98	
	TOTAL				199.53	X
	Add GST on “X” (multiplying factor 0.2127)				42.44	
	TOTAL				241.97	Y
	Add 15% CPOH on “Y”				36.30	
	TOTAL				278.27	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				2.78	
	Cost of 1 cum.				281.05	
	Say				281.05	

2.38 Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting each layer by rolling/ ramming and watering, all complete as per drawing and direction of Engineer -in - charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cum.					
	Ref :- Based on DAR Item No : 2.25					
	LABOUR					
0128	Mate	day	0.20	816.00	163.20	
0115	Coolie	day	2.50	736.00	1840.00	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				2166.40	W
	Add 1 % Water charges on “W”				21.66	
	TOTAL				2188.06	X
	Add GST on “X” (multiplying factor 0.2127)				465.40	
	TOTAL				2653.46	Y
	Add 15% CPOH on “Y”				398.02	
	TOTAL				3051.48	Z
	Add Cess @ 1% on “Z”				30.51	
	Cost of 10 cum.				3081.99	
	Cost of 1 cum.				308.20	
	Say				308.20	

SUB HEAD : 3.0

MORTARS

3.1 Cement mortar 1:1 (1 cement : 1 fine sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum				
	MATERIAL				
	(0.7175 cum. of cement = 1.02 tonne) Cement required for cement mortar is 71.25%				
0367	Portland Cement	tonne	10.200	5156.00	52591.20
2209	Carriage of Cement	tonne	10.200	0.00	0.00
0983	Fine Sand (Zone IV)	cum	7.125	980.00	6982.50
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	7.125	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	7.500	736.00	5520.00
0101	Bhisti	day	0.700	816.00	571.20
9999	Hire and running charges of mechanical mixer	L.S.	269.000	2.27	610.63
9999	Sundries	L.S.	135.200	2.27	306.90
	Cost of 10.00 cum				66582.43
	Cost of 1.00 cum				6658.24
	Say				6658.25

3.2 Cement mortar 1:2 (1 cement : 2 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.475 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	5156.00	3506.08
2209	Carriage of Cement	tonne	0.68	0.00	0.00
0983	Fine sand (zone IV)	cum	0.95	980.00	931.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.95	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				5137.98
	Say				5138.00

3.3 Cement mortar 1:3 (1 cement : 3 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.357 cum. of cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
0367	Portland Cement	tonne	0.51	5156.00	2629.56
2209	Carriage of Cement	tonne	0.51	0.00	0.00
0983	Fine sand (zone IV)	cum	1.07	980.00	1048.60
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	0.00	0.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				4379.06
	Say				4379.05

3.4 Cement mortar 1:4 (1 cement : 4 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.268 cum. of cement = 0.38 tonne) Cement required for cement mortar is 26.80%				
0367	Portland Cement	tonne	0.38	5156.00	1959.28
2209	Carriage of Cement	tonne	0.38	0.00	0.00
0983	Fine sand (zone IV)	cum	1.07	980.00	1048.60
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				3708.78
	Say				3708.80

3.5 Cement mortar 1:5 (1 cement : 5 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	5156.00	1598.36
2209	Carriage of Cement	tonne	0.31	0.00	0.00
0983	Fine sand (zone IV)	cum	1.07	980.00	1048.60
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				3347.86
	Say				3347.85

3.6 Cement mortar 1:6 (1 cement : 6 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.178 cum. of cement = 0.25 tonne) Cement required for cement mortar is 17.80%				
0367	Portland Cement	tonne	0.25	5156.00	1289.00
2209	Carriage of Cement	tonne	0.25	0.00	0.00
0983	Fine sand (zone IV)	cum	1.07	980.00	1048.60
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				3038.50
	Say				3038.50

3.7 Cement mortar 1:2 (1 cement : 2 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.476 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	5156.00	3506.08
2209	Carriage of Cement	tonne	0.68	0.00	0.00
0982	Coarse sand (zone III)	cum	0.95	1450.00	1377.50
2203	Carriage of Coarse sand	cum	0.95	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				5584.48
	Say				5584.50

3.8 Cement mortar 1:3 (1 cement : 3 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.357 cum. of cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
0367	Portland Cement	tonne	0.51	5156.00	2629.56
2209	Carriage of Cement	tonne	0.51	0.00	0.00
0982	Coarse sand (zone III)	cum	1.07	1450.00	1551.50
2203	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				4881.96
	Say				4881.95

3.9 Cement mortar 1:4 (1 cement : 4 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.268 cum. of cement = 0.38 tonne) Cement required for cement mortar is 26.80%				
0367	Portland Cement	tonne	0.38	5156.00	1959.28
2209	Carriage of Cement	tonne	0.38	0.00	0.00
0982	Coarse sand (zone III)	cum	1.07	1450.00	1551.50
2203	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				4211.68
	Say				4211.70

3.10 Cement mortar 1:5 (1 cement : 5 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	5156.00	1598.36
2209	Carriage of Cement	tonne	0.31	0.00	0.00
0982	Coarse sand (zone III)	cum	1.07	1450.00	1551.50
2203	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	TOTAL				3850.76
	Say				3850.75

3.11 Cement mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.178 cum. of cement = 0.25 tonne) Cement required for cement mortar is 17.80%				
0367	Portland Cement	tonne	0.25	5156.00	1289.00
2209	Carriage of Cement	tonne	0.25	0.00	0.00
0982	Coarse sand (zone III)	cum	1.07	1450.00	1551.50
2203	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				3541.40
	Say				3541.40

3.12 Cement mortar 1:2 (1 cement : 2 stone dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.475 cum. of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	5156.00	3506.08
2209	Carriage of Cement	tonne	0.68	0.00	0.00
1159	Stone dust	cum	0.95	1100.00	1045.00
2267	Carriage of Stone dust	cum	0.95	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				5251.98
	Say				5252.00

3.13 Cement mortar 1:2 (1 cement : 2 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.475 cum of cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0367	Portland Cement	tonne	0.68	5156.00	3506.08
2209	Carriage of Cement	tonne	0.68	0.00	0.00
0784	Marble dust/ powder	cum	0.95	1180.00	1121.00
2268	Carriage of Marble dust and marble chips	cum	0.95	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				5327.98
	Say				5328.00

3.14 Cement mortar 1:5 (1 cement : 5 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.214 cum. of cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0367	Portland Cement	tonne	0.31	5156.00	1598.36
2209	Carriage of Cement	tonne	0.31	0.00	0.00
0784	Marble dust/ powder	cum	1.07	1180.00	1262.60
2268	Carriage of Marble dust and marble chips	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				3561.86
	Say				3561.85

3.15 White cement mortar 1:2 (1 white cement : 2 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.475 cum. of white cement = 0.68 tonne) Cement required for cement mortar is 47.50%				
0368	White Cement	tonne	0.68	10500.00	7140.00
2209	Carriage of Cement	tonne	0.68	0.00	0.00
0784	Marble dust/ powder	cum	0.95	1180.00	1121.00
2268	Carriage of Marble dust and marble chips	cum	0.95	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				8961.90
	Say				8961.90

3.16 White cement mortar 1:3 (1 white cement : 3 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.357 cum. of white cement = 0.51 tonne) Cement required for cement mortar is 35.70%				
0368	White Cement	tonne	0.51	10500.00	5355.00
2209	Carriage of Cement	tonne	0.51	0.00	0.00
0784	Marble dust/ powder	cum	1.07	1180.00	1262.60
2268	Carriage of Marble dust and marble chips	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				7318.50
	Say				7318.50

3.17 White cement mortar 1:5 (1 white cement : 5 marble dust).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum				
	MATERIAL				
	(0.214 cum. of white cement = 0.31 tonne) Cement required for cement mortar is 21.40%				
0368	White Cement	tonne	0.31	10500.00	3255.00
2209	Carriage of Cement	tonne	0.31	0.00	0.00
0784	Marble dust/ powder	cum	1.07	1180.00	1262.60
2268	Carriage of Marble dust and marble chips	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	736.00	552.00
0101	Bhisti	day	0.07	816.00	57.12
9999	Hire and running charges of mechanical mixer	L.S.	26.91	2.27	61.09
9999	Sundries	L.S.	13.52	2.27	30.69
	Cost of 1.00 cum				5218.50
	Say				5218.50

3.18 Mud mortar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for one cum				
	MATERIAL				
0811	Mud (dry)	cum	1.08	190.00	205.20
	LABOUR				
0114	Beldar	day	0.63	736.00	463.68
0101	Bhisti	day	0.315	816.00	257.04
9999	Sundries	L.S.	6.45	2.27	14.64
	Cost of one cum				940.56
	Say				940.55

3.19 Mortar in lime, surkhi (50% red and 50% light yellow) and marble dust 1:1.5:0.5

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum				
	MATERIAL				
	(0.475 cum of lime putty) = 3.01 q of unslaked lime				
1182	Surkhi	cum	7.125	778.00	5543.25
0773	Unslaked lime	quintal	30.100	325.00	9782.50
0784	Marble dust/ powder	cum	2.400	1180.00	2832.00
2268	Marble dust and/or marble chips	cum	2.400	0.00	0.00
2208	Carriage of Lime	cum	30.100	0.00	0.00
	LABOUR				
	For slaking lime, making lime putty, grinding and carrying				
0114	Beldar	day	9.000	736.00	6624.00
0101	Bhisti	day	4.500	816.00	3672.00
9999	As cost for running and upkeep of mortar mill	L.S.	103.500	2.27	234.95
9999	Sundries	L.S.	52.000	2.27	118.04
	Cost of 10.00 cum				28806.74
	Cost of 1.00 cum				2880.67
	Say				2880.65

SUB HEAD : 4.0

CONCRETE WORK

4.1 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :

4.1.2 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of Cement	tonne	0.40	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				5862.94	W
	Add 1 % Water charges on “W”				58.63	
	TOTAL				5921.57	X
	Add GST on “X” (multiplying factor 0.2127)				1259.52	
	TOTAL				7181.09	Y
	Add 15% CPOH on “Y”				1077.16	
	TOTAL				8258.25	Z
	Add Cess @ 1% on “Z”				82.58	
	Cost of 1 cum.				8340.83	
	Say				8340.85	

4.1.2A 1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.428	1425.00	609.90	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.142	957.00	135.89	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.21	1400.00	294.00	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.07	957.00	66.99	
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0982	Coarse sand (zone III) derived from natural sources	cum	0.319	1450.00	462.55	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.106	957.00	101.44	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of Cement	tonne	0.40	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				5713.21	W
	Add 1 % Water charges on “W”				57.13	
	TOTAL				5770.34	X
	Add GST on “X” (multiplying factor 0.2127)				1227.35	
	TOTAL				6997.69	Y
	Add 15% CPOH on “Y”				1049.65	
	TOTAL				8047.34	Z
	Add Cess @ 1% on “Z”				80.47	
	Cost of 1 cum.				8127.81	
	Say				8127.80	

4.1.3 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1425.00	954.75	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1400.00	308.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.445	1450.00	645.25	
2203	Carriage of Coarse sand	cum	0.445	0.00	0.00	
0367	Portland Cement (0.2225 cum)	tonne	0.32	5156.00	1649.92	
2209	Carriage of Cement	tonne	0.32	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				5537.96	W
	Add 1 % Water charges on “W”				55.38	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				5593.34	X
	Add GST on “X” (multiplying factor 0.2127)				1189.70	
	TOTAL				6783.04	Y
	Add 15% CPOH on “Y”				1017.46	
	TOTAL				7800.50	Z
	Add Cess @ 1% on “Z”				78.00	
	Cost of 1 cum.				7878.50	
	Say				7878.50	

4.1.3A 1:2:4 (1 cement : 2 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.503	1425.00	716.78	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.167	957.00	159.82	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.165	1400.00	231.00	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.055	957.00	52.64	
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.334	1450.00	484.30	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.111	957.00	106.23	
2203	Carriage of Coarse sand	cum	0.445	0.00	0.00	
0367	Portland Cement (0.2225 cum)	tonne	0.32	5156.00	1649.92	
2209	Carriage of Cement	tonne	0.32	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				5380.73	W
	Add 1 % Water charges on “W”				53.81	
	TOTAL				5434.54	X
	Add GST on “X” (multiplying factor 0.2127)				1155.93	
	TOTAL				6590.47	Y
	Add 15% CPOH on “Y”				988.57	
	TOTAL				7579.04	Z
	Add Cess @ 1% on “Z”				75.79	
	Cost of 1 cum.				7654.83	
	Say				7654.85	

4.1.4 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size, 0.56 - (7.5% for voids i.e.) 0.04 = 0.52 cum	cum	0.52	1400.00	728.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.22	1425.00	313.50	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.11	1400.00	154.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.52	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.33	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.445	1450.00	645.25	
2203	Carriage of Coarse sand	cum	0.445	0.00	0.00	
0367	Portland Cement (0.2225 cum)	tonne	0.32	5156.00	1649.92	
2209	Carriage of Cement	tonne	0.32	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				5468.94	W
	Add 1 % Water charges on “W”				54.69	
	TOTAL				5523.63	X
	Add GST on “X” (multiplying factor 0.2127)				1174.88	
	TOTAL				6698.51	Y
	Add 15% CPOH on “Y”				1004.78	
	TOTAL				7703.29	Z
	Add Cess @ 1% on “Z”				77.03	
	Cost of 1 cum.				7780.32	
	Say				7780.30	

4.1.5 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.70	1425.00	997.50	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24	1400.00	336.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.94	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Portland Cement(0.15674 cum)	tonne	0.22	5156.00	1134.32	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				5127.59	W
	Add 1 % Water charges on “W”				51.28	
	TOTAL				5178.87	X
	Add GST on “X” (multiplying factor 0.2127)				1101.55	
	TOTAL				6280.42	Y
	Add 15% CPOH on “Y”				942.06	
	TOTAL				7222.48	Z
	Add Cess @ 1% on “Z”				72.22	
	Cost of 1 cum.				7294.70	
	Say				7294.70	

4.1.5A 1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.70	957.00	669.90	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.24	957.00	229.68	
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.94	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of manufactured sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.15674 cum)	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114		day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				4461.96	W
	Add 1 % Water charges on “W”				44.62	
	TOTAL				4506.58	X
	Add GST on “X” (multiplying factor 0.2127)				958.55	
	TOTAL				5465.13	Y
	Add 15% CPOH on “Y”				819.77	
	TOTAL				6284.90	Z
	Add Cess @ 1% on “Z”				62.85	
	Cost of 1 cum.				6347.75	
	Say				6347.75	

4.1.5B 1:3:6 (1 cement : 3 manufactured sand derived from Recycled concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.70	420.00	294.00	
0284	Recycled Aggregate (RA) 10 mm nominal size	cum	0.24	450.00	108.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.94	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of manufactured sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.15674 cum)	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				3964.38	W
	Add 1 % Water charges on “W”				39.64	
	TOTAL				4004.02	X
	Add GST on “X” (multiplying factor 0.2127)				851.66	
	TOTAL				4855.68	Y
	Add 15% CPOH on “Y”				728.35	
	TOTAL				5584.03	Z
	Add Cess @ 1% on “Z”				55.84	
	Cost of 1 cum.				5639.87	
	Say				5639.85	

4.1.6 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 =0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.15674 cum)	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				5046.09	W
	Add 1 % Water charges on “W”				50.46	
	TOTAL				5096.55	X
	Add GST on “X” (multiplying factor 0.2127)				1084.04	
	TOTAL				6180.59	Y
	Add 15% CPOH on “Y”				927.09	
	TOTAL				7107.68	Z
	Add Cess @ 1% on “Z”				71.08	
	Cost of 1 cum.				7178.76	
	Say				7178.75	

4.1.6A 1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	390.00	253.50	
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	420.00	100.80	
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of manufactured sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.15674 cum)	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				3916.68	W
	Add 1 % Water charges on “W”				39.17	
	TOTAL				3955.85	X
	Add GST on “X” (multiplying factor 0.2127)				841.41	
	TOTAL				4797.26	Y
	Add 15% CPOH on “Y”				719.59	
	TOTAL				5516.85	Z
	Add Cess @ 1% on “Z”				55.17	
	Cost of 1 cum.				5572.02	
	Say				5572.00	

4.1.8 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.1175 cum)	tonne	0.17	5156.00	876.52	
2209	Carriage of Cement	tonne	0.17	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				4788.29	W
	Add 1 % Water charges on “W”				47.88	
	TOTAL				4836.17	X
	Add GST on “X” (multiplying factor 0.2127)				1028.65	
	TOTAL				5864.82	Y
	Add 15% CPOH on “Y”				879.72	
	TOTAL				6744.54	Z
	Add Cess @ 1% on “Z”				67.45	
	Cost of 1 cum.				6811.99	
	Say				6812.00	

4.1.8A 1:4:8 (1 cement : 4 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 8 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA)).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	390.00	253.50	
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	420.00	100.80	
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of manufactured sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.1175 cum)	tonne	0.17	5156.00	876.52	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2209	Carriage of Cement	tonne	0.17	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				3658.88	W
	Add 1 % Water charges on “W”				36.59	
	TOTAL				3695.47	X
	Add GST on “X” (multiplying factor 0.2127)				786.03	
	TOTAL				4481.50	Y
	Add 15% CPOH on “Y”				672.23	
	TOTAL				5153.73	Z
	Add Cess @ 1% on “Z”				51.54	
	Cost of 1 cum.				5205.27	
	Say				5205.25	

4.1.10 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.2225 cum)	tonne	0.13	5156.00	670.28	
2209	Carriage of Cement	tonne	0.13	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				4582.05	W
	Add 1 % Water charges on “W”				45.82	
	TOTAL				4627.87	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				984.35	
	TOTAL				5612.22	Y
	Add 15% CPOH on “Y”				841.83	
	TOTAL				6454.05	Z
	Add Cess @ 1% on “Z”				64.54	
	Cost of 1 cum.				6518.59	
	Say				6518.60	

4.1.10A 1:5:10 (1 cement : 5 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 10 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	390.00	253.50	
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	420.00	100.80	
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of manufactured sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.2225 cum)	tonne	0.13	5156.00	670.28	
2209	Carriage of Cement	tonne	0.13	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				3452.64	W
	Add 1 % Water charges on “W”				34.53	
	TOTAL				3487.17	X
	Add GST on “X” (multiplying factor 0.2127)				741.72	
	TOTAL				4228.89	Y
	Add 15% CPOH on “Y”				634.33	
	TOTAL				4863.22	Z
	Add Cess @ 1% on “Z”				48.63	
	Cost of 1 cum.				4911.85	
	Say				4911.85	

4.1.11 1:5:10 (1 cement : 5 fine sand derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	0.65	1400.00	910.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	(0.70 cum - 7.5% for voids i.e. 0.05 = 0.65 cum)					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0983	Fine sand (zone IV)	cum	0.47	980.00	460.60	
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.47	0.00	0.00	
0367	Portland Cement (0.2225 cum)	tonne	0.13	5156.00	670.28	
2209	Carriage of Cement	tonne	0.13	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	8.97	2.27	20.36	
	TOTAL				4350.82	W
	Add 1 % Water charges on “W”				43.51	
	TOTAL				4394.33	X
	Add GST on “X” (multiplying factor 0.2127)				934.67	
	TOTAL				5329.00	Y
	Add 15% CPOH on “Y”				799.35	
	TOTAL				6128.35	Z
	Add Cess @ 1% on “Z”				61.28	
	Cost of 1 cum.				6189.63	
	Say				6189.65	

4.1.12 1:2:3½:9 (1 ordinary portland cement : 2 Fly ash : 3½ coarse sand (zone-III) derived from natural sources : 9 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum-7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.37	1450.00	536.50	
2203	Carriage of Coarse sand	cum	0.37	0.00	0.00	
1980	Flyash	cum	0.21	12.00	2.52	
2262	Carriage of Flyash	cum	0.21	185.55	38.97	
0367	Portland Cement	tonne	0.17	5156.00	876.52	
2209	Carriage of Cement	tonne	0.17	0.00	0.00	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				4686.55	W
	Add 1 % Water charges on “W”				46.87	
	TOTAL				4733.42	X
	Add GST on “X” (multiplying factor 0.2127)				1006.80	
	TOTAL				5740.22	Y
	Add 15% CPOH on “Y”				861.03	
	TOTAL				6601.25	Z
	Add Cess @ 1% on “Z”				66.01	
	Cost of one cum.				6667.26	
	Say				6667.25	

4.1.12A **1:2:3½:9 (1 ordinary portland cement : 2 Fly ash : 3½ manufactured sand derived from Recycled Concrete Aggregate (RCA) : 9 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	390.00	253.50	
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	420.00	100.80	
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.37	957.00	354.09	
2203	Carriage of manufactured sand	cum	0.37	0.00	0.00	
1980	Flyash	cum	0.21	12.00	2.52	
2262	Carriage of Flyash	cum	0.21	185.55	38.97	
0367	Portland Cement	tonne	0.17	5156.00	876.52	
2209	Carriage of Cement	tonne	0.17	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				3606.44	W
	Add 1 % Water charges on “W”				36.06	
	TOTAL				3642.50	X
	Add GST on “X” (multiplying factor 0.2127)				774.76	
	TOTAL				4417.26	Y
	Add 15% CPOH on “Y”				662.59	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				5079.85	Z
	Add Cess @ 1% on “Z”				50.80	
	Cost of 1 cum.				5130.65	
	Say				5130.65	

4.1.13 1:2½:4:11 (1 ordinary portland cement : 2½ fly ash : 4 coarse sand(zone-III) derived from natural sources : 11 graded stone aggregate 40 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 cum-7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.34	1450.00	493.00	
2203	Carriage of Coarse sand	cum	0.34	0.00	0.00	
1980	Flyash	cum	0.21	12.00	2.52	
2262	Carriage of Flyash	cum	0.21	185.55	38.97	
0367	Portland Cement	tonne	0.13	5156.00	670.28	
2209	Carriage of Cement	tonne	0.13	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				4436.81	W
	Add 1 % Water charges on “W”				44.37	
	TOTAL				4481.18	X
	Add GST on “X” (multiplying factor 0.2127)				953.15	
	TOTAL				5434.33	Y
	Add 15% CPOH on “Y”				815.15	
	TOTAL				6249.48	Z
	Add Cess @ 1% on “Z”				62.49	
	Cost of one cum.				6311.97	
	Say				6311.95	

4.1.13A 1:2½:4:11 (1 ordinary portland cement : 2½ fly ash : 4 manufactured sand derived from Recycled Concrete Aggregate (RCA) :11 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	390.00	253.50	
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	420.00	100.80	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.34	957.00	325.38	
2203	Carriage of manufactured sand	cum	0.34	0.00	0.00	
1980	Flyash	cum	0.21	12.00	2.52	
2262	Carriage of Flyash	cum	0.21	185.55	38.97	
0367	Portland Cement	tonne	0.13	5156.00	670.28	
2209	Carriage of Cement	tonne	0.13	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				3371.49	W
	Add 1 % Water charges on “W”				33.71	
	TOTAL				3405.20	X
	Add GST on “X” (multiplying factor 0.2127)				724.29	
	TOTAL				4129.49	Y
	Add 15% CPOH on “Y”				619.42	
	TOTAL				4748.91	Z
	Add Cess @ 1% on “Z”				47.49	
	Cost of 1 cum.				4796.40	
	Say				4796.40	

4.2 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:

4.2.2 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of Cement	tonne	0.40	0.00	0.00	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	
0123	Mason (brick layer) 1st class	day	0.06	897.00	53.82	
0124	Mason (brick layer) 2nd class	day	0.06	816.00	48.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding	L.S.	114.40	2.27	259.69	
9999	Sundries	L.S.	14.30	2.27	32.46	
	(Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				7280.51	W
	Add 1 % Water charges on “W”				72.81	
	TOTAL				7353.32	X
	Add GST on “X” (multiplying factor 0.2127)				1564.05	
	TOTAL				8917.37	Y
	Add 15% CPOH on “Y”				1337.61	
	TOTAL				10254.98	Z
	Add Cess @ 1% on “Z”				102.55	
	Cost of 1 cum.				10357.53	
	Say				10357.55	

4.2.2A **1:1½:3 (1 cement : 1½ coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) 20 mm nominal size derived from natural sources	cum	0.428	1425.00	609.90	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.142	957.00	135.89	
0297	Stone Aggregate (Single size) 10 mm nominal size derived from natural sources	cum	0.21	1400.00	294.00	
0281	Recycled Concrete Aggregate (RCA): 10 mm nominal size	cum	0.07	957.00	66.99	
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.319	1450.00	462.55	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.106	957.00	101.44	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of Cement	tonne	0.40	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason (brick layer) 1st class	day	0.06	897.00	53.82	
0124	Mason (brick layer) 2nd class	day	0.06	816.00	48.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding	L.S.	114.40	2.27	259.69	
9999	Sundries	L.S.	14.30	2.27	32.46	
	(Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				7130.78	W
	Add 1 % Water charges on “W”				71.31	
	TOTAL				7202.09	X
	Add GST on “X” (multiplying factor 0.2127)				1531.88	
	TOTAL				8733.97	Y
	Add 15% CPOH on “Y”				1310.10	
	TOTAL				10044.07	Z
	Add Cess @ 1% on “Z”				100.44	
	Cost of 1 cum.				10144.51	
	Say				10144.50	

4.2.3 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1425.00	954.75	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1400.00	308.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.445	1450.00	645.25	
2203	Carriage of Coarse sand	cum	0.445	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	0.32	5156.00	1649.92	
2209	Carriage of Cement	tonne	0.32	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	
0123	Mason (brick layer) 1st class	day	0.06	897.00	53.82	
0124	Mason (brick layer) 2nd class	day	0.06	816.00	48.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding	L.S.	114.40	2.27	259.69	
9999	Sundries	L.S.	14.30	2.27	32.46	
	(Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				6955.53	W
	Add 1 % Water charges on “W”				69.56	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				7025.09	X
	Add GST on “X” (multiplying factor 0.2127)				1494.24	
	TOTAL				8519.33	Y
	Add 15% CPOH on “Y”				1277.90	
	TOTAL				9797.23	Z
	Add Cess @ 1% on “Z”				97.97	
	Cost of 1 cum.				9895.20	
	Say				9895.20	

4.2.3A 1:2:4 (1 Cement : 2 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.503	1425.00	716.78	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.167	957.00	159.82	
0297	Stone Aggregate (Single size) 10 mm nominal size derived from natural sources	cum	0.165	1400.00	231.00	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.055	957.00	52.64	
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.334	1450.00	484.30	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.111	957.00	106.23	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2225 cum)	tonne	0.32	5156.00	1649.92	
2209	Carriage of Cement	tonne	0.32	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	
0123	Mason (brick layer) 1st class	day	0.06	897.00	53.82	
0124	Mason (brick layer) 2nd class	day	0.06	816.00	48.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding	L.S.	114.40	2.27	259.69	
9999	Sundries	L.S.	14.30	2.27	32.46	
	(Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				6798.30	W
	Add 1 % Water charges on “W”				67.98	
	TOTAL				6866.28	X
	Add GST on “X” (multiplying factor 0.2127)				1460.46	
	TOTAL				8326.74	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				1249.01	
	TOTAL				9575.75	Z
	Add Cess @ 1% on "Z"				95.76	
	Cost of 1 cum.				9671.51	
	Say				9671.50	

4.2.5 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.70	1425.00	997.50	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24	1400.00	336.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.94	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.15674 cum)	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	
0123	Mason (brick layer) 1st class	day	0.06	897.00	53.82	
0124	Mason (brick layer) 2nd class	day	0.06	816.00	48.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding (17.60x2.5 avg.)	L.S.	114.40	2.27	259.69	
9999	Sundries	L.S.	13.52	2.27	30.69	
	(Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				6545.16	W
	Add 1 % Water charges on "W"				65.45	
	TOTAL				6610.61	X
	Add GST on "X" (multiplying factor 0.2127)				1406.08	
	TOTAL				8016.69	Y
	Add 15% CPOH on "Y"				1202.50	
	TOTAL				9219.19	Z
	Add Cess @ 1% on "Z"				92.19	
	Cost of 1 cum.				9311.38	
	Say				9311.40	

4.2.5A 1:3:6 (1 cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.70	957.00	669.90	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.24	957.00	229.68	
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.94	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of manufactured sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.15674 cum)	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	
0123	Mason (brick layer) 1st class	day	0.06	897.00	53.82	
0124	Mason (brick layer) 2nd class	day	0.06	816.00	48.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding	L.S.	114.40	2.27	259.69	
9999	Sundries	L.S.	13.52	2.27	30.69	
	(Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				5879.53	W
	Add 1 % Water charges on “W”				58.80	
	TOTAL				5938.33	X
	Add GST on “X” (multiplying factor 0.2127)				1263.08	
	TOTAL				7201.41	Y
	Add 15% CPOH on “Y”				1080.21	
	TOTAL				8281.62	Z
	Add Cess @ 1% on “Z”				82.82	
	Cost of 1 cum.				8364.44	
	Say				8364.45	

4.2.5B 1:3:6 (1 cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0283	Recycled Aggregate (RA) 40 mm nominal size	cum	0.70	420.00	294.00	
0284	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	450.00	108.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.94	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of manufactured sand	cum	0.47	0.00	0.00	
0367	Portland Cement (0.15674 cum)	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason (brick layer) 1st class	day	0.06	897.00	53.82	
0124	Mason (brick layer) 2nd class	day	0.06	816.00	48.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding	L.S.	114.40	2.27	259.69	
9999	Sundries (Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)	L.S.	13.52	2.27	30.69	
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				5381.95	W
	Add 1 % Water charges on “W”				53.82	
	TOTAL				5435.77	X
	Add GST on “X” (multiplying factor 0.2127)				1156.19	
	TOTAL				6591.96	Y
	Add 15% CPOH on “Y”				988.79	
	TOTAL				7580.75	Z
	Add Cess @ 1% on “Z”				75.81	
	Cost of 1 cum.				7656.56	
	Say				7656.55	

4.2.8 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Portland Cement	tonne	0.13	5156.00	670.28	
2209	Carriage of Cement	tonne	0.13	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	
0123	Mason (brick layer) 1st class	day	0.10	897.00	89.70	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding	L.S.	114.40	2.27	259.69	
9999	Sundries (Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)	L.S.	14.30	2.27	32.46	
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				5988.31	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				59.88	
	TOTAL				6048.19	X
	Add GST on “X” (multiplying factor 0.2127)				1286.45	
	TOTAL				7334.64	Y
	Add 15% CPOH on “Y”				1100.20	
	TOTAL				8434.84	Z
	Add Cess @ 1% on “Z”				84.35	
	Cost of 1 cum.				8519.19	
	Say				8519.20	

4.2.8A 1:5:10 (1 cement : 5 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 10 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA))

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0282	Recycled Aggregate (RA) 40 mm nominal size	cum	0.65	390.00	253.50	
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.24	420.00	100.80	
2206	Carriage of Recycled Aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of manufactured sand	cum	0.47	0.00	0.00	
0367	Portland Cement	tonne	0.13	5156.00	670.28	
2209	Carriage of Cement	tonne	0.13	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.90	736.00	662.40	
0115	Coolie	day	0.78	736.00	574.08	
0101	Bhisti	day	0.70	816.00	571.20	
0123	Mason (brick layer) 1st class	day	0.10	897.00	89.70	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Scaffolding	L.S.	114.40	2.27	259.69	
9999	Sundries	L.S.	14.30	2.27	32.46	
	(Extra labour for lifting material upto floor V level = 0.75 x 2.0 = 1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				4858.90	W
	Add 1 % Water charges on “W”				48.59	
	TOTAL				4907.49	X
	Add GST on “X” (multiplying factor 0.2127)				1043.82	
	TOTAL				5951.31	Y
	Add 15% CPOH on “Y”				892.70	
	TOTAL				6844.01	Z
	Add Cess @ 1% on “Z”				68.44	
	Cost of 1 cum.				6912.45	
	Say				6912.45	

4.3 Centering and shuttering including strutting, propping etc. and removal of form work for :

4.3.1 Foundations, footings, bases for columns

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for footing size 2.50mx2.50mx-1.00m Contact area = 10.00 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times, Adding for maintenance @ 10% of cost, Taking salvage value after full use of material @ 25% of cost					
7319	Wall form panel 1250x500 mm Qty taken for cost of using once =16x0.85/40 = 0.34	each	0.34	900.00	306.00	
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once =4x0.85/40 = 0.085	each	0.085	257.00	21.85	
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once =8x0.85/40= 0.17	each	0.17	950.00	161.50	
7328	Double clip (bridge clip) Qty taken for cost of using once =16x0.85/40 = 0.34	each	0.34	80.00	27.20	
7329	Single clip Qty taken for cost of using once =8x0.85/40 = 0.17	each	0.17	64.00	10.88	
7330	M.S. tube 40 mm dia Qty taken for cost of using once =10.00x0.85/40 = 0.213	metre	0.213	225.00	47.93	
9999	Assembly nuts & bolts	L.S.	22.10	2.27	50.17	
9977	Carriage	L.S.	78.00	2.27	177.06	
	LABOUR					
0116	Fitter (grade 1)	day	0.75	897.00	672.75	
0114	Beldar	day	1.50	736.00	1104.00	
9999	Shuttering oil	L.S.	52.00	2.27	118.04	
9999	Sundries	L.S.	26.00	2.27	59.02	
	TOTAL				2756.40	W
	Add 1 % Water charges on “W”				27.56	
	TOTAL				2783.96	X
	Add GST on “X” (multiplying factor 0.2127)				592.15	
	TOTAL				3376.11	Y
	Add 15% CPOH on “Y”				506.42	
	TOTAL				3882.53	Z
	Add Cess @ 1% on “Z”				38.83	
	Cost for 10.00 sqm				3921.36	
	Cost per sqm.				392.14	
	Say				392.15	

4.3.2 Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details for 7.5 m long and 1.00 m high wall Area of contact 2x7.5x1.0 = 15.00 sqm. MATERIAL					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost					
7319	Wall form panel 1250x500 mm Qty taken for cost of using once =24x0.85/40 = 0.51	each	0.51	900.00	459.00	
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once =6x0.85/40 = 0.13	each	0.13	950.00	123.50	
7328	Double clip (bridge clip) Qty taken for cost of using once =24x0.85/40 = 0.51	each	0.51	80.00	40.80	
7329	Single clip Qty taken for cost of using once =12x0.85/40 = 0.255	each	0.255	64.00	16.32	
7330	M.S. tube 40 mm dia Qty taken for cost of using once =32x0.85/40 = 0.68	metre	0.68	225.00	153.00	
9999	Nut & Bolts	L.S.	27.62	2.27	62.70	
9977	Carriage	L.S.	78.00	2.27	177.06	
	LABOUR					
0116	Fitter (grade 1)	day	3.50	897.00	3139.50	
0114	Beldar	day	6.00	736.00	4416.00	
9999	Shuttering oil	L.S.	78.00	2.27	177.06	
9999	Sundries	L.S.	52.00	2.27	118.04	
	TOTAL				8882.98	W
	Add 1 % Water charges on “W”				88.83	
	TOTAL				8971.81	X
	Add GST on “X” (multiplying factor 0.2127)				1908.30	
	TOTAL				10880.11	Y
	Add 15% CPOH on “Y”				1632.02	
	TOTAL				12512.13	Z
	Add Cess @ 1% on “Z”				125.12	
	Cost for 15.00sqm.				12637.25	
	Cost per sqm.				842.48	
	Say				842.50	

4.3.3 Columns, piers, abutments, pillars, posts and struts

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 45 sqm Size of column 450x450mm and 2.5m high Area of contact = 10x4x0.45x2.5 = 45 sqm. MATERIAL Assuming shuttering will become unserviceable after use of 40 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material					
7331	Wall form panel 1250x450 mm	each	1.700	900.00	1530.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Qty taken for cost of using once =10x 8x0.85/40 = 1.70					
7332	Corner angle 45x45x5 m 2.50 m long Qty taken for cost of using once = 10x4x0.85/40 = 0.85	each	0.850	275.00	233.75	
7333	Column clamp 450x1070 m Qty taken for cost of using once = 10x5x0.85/40 = 1.063	each	1.063	1020.00	1084.26	
7334	Prop 2 m (2-3.5m) Qty taken for cost of using once = 10x4x0.85/40 = 0.85	each	0.850	690.00	586.50	
9999	Assembly nut & bolt Qty taken for cost of using once = 10x1300x0.85/40 = 276.2	L.S.	276.200	2.27	626.97	
9977	Carriage	L.S.	520.000	2.27	1180.40	
	LABOUR					
0116	Fitter (grade 1)	day	10.000	897.00	8970.00	
0114	Beldar	day	20.000	736.00	14720.00	
9999	Shuttering oil	L.S.	390.000	2.27	885.30	
9977	Carriage	L.S.	260.000	2.27	590.20	
	TOTAL				30407.38	W
	Add 1 % Water charges on “W”				304.07	
	TOTAL				30711.45	X
	Add GST on “X” (multiplying factor 0.2127)				6532.33	
	TOTAL				37243.78	Y
	Add 15% CPOH on “Y”				5586.57	
	TOTAL				42830.35	Z
	Add Cess @ 1% on “Z”				428.30	
	Cost for 45 sqm.				43258.65	
	Cost per sqm.				961.30	
	Say				961.30	

4.4.1 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for kerb : 100m long 20cm deep and 30cm wide, 100m x 0.30m x 0.20m = 6.00 cum.					
	Cement concrete 1:1½:3					
4.1.2	Rate as per Item No.4.1.2 of SH:Concrete Work	cum	6.00	8340.85	50045.10	A
	Cost for 6 cum.				50045.10	
	Cost per cum.				8340.85	
	Say				8340.85	

4.4.1A 1:1.5:3 (1 cement: 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%)).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for kerb : 100m long 20cm deep and 30cm wide, 100m x 0.30m x 0.20m = 6.00 cum.					
	Cement concrete 1:1.5:3					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
4.1.2A	Rate as per Item No.4.1.2A of SH:Concrete Work Cost for 6 cum. Cost per cum. Say	cum	6.00	8127.80	48766.80 48766.80 8127.80 8127.80	A

4.5 Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required Centering complete.

4.5.1 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Plain window sill 10x15 nos.					
	10x15x1m x 0.20m x 0.15m = 4.5cum.					
	MATERIAL					
	Cement concrete 1:1½:3					
4.1.2	Rate as per Item No. 4.1.2 of SH: Concrete work	cum	4.500	8340.85	37533.83	A
0115	Coolie	day	5.100	736.00	3753.60	
	(Extra labour for lifting = 0.75 x 4.5 x 1.5 = 5.1)					
	Centering and shuttering					
	(1) Mould					
	(i) Plate 3mm thick					
	[(2x1x0.15)+(2x0.15x0.20)]x10 = 3.6 sqm. @ 23.55kg/m^2 = 84.8 kg.					
	(ii) Flat 10x5mm					
	10x4x1.0 = 40m					
	10x8x0.2 = 16m					
	10x4x0.15 = 6m					
	Handle 10x2x0.25 = 5m					
	67m @ 0.4kg/m = 26.8 kg.					
	Total = 111.6kg					
	Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit.					
	Qty taken for cost of using once = 111.6x0.75/40 = 2.1 kg					
10.1	Rate as per item No.10.1 SH: steel work	kg	2.100	117.35	246.44	A
	(2) Moulding Platform					
	Assuming platform will become unserviceable after use of 40 times.					
	(i) Brick on edge flooring cement mortar 1:6					
	10x1x2.0x2.0m = 40 sqm.					
	Qty taken for cost of using once = 40/40 = 1 sqm					
11.1.2	Rate as per item No. 11.1.2 of SH: Flooring work	sqm	1.000	965.55	965.55	A
	(ii) 25mm thick cement concrete 1:2:4 in pavement					
	10x2.00x2.00x0.025 = 1cum					
	Qty taken for cost of using once = 1/40 = 0.025 cum					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
11.7	Rate as per Item No. 11.7 of S.H.: Flooring work	cum	0.025	8595.15	214.88	A
9999	Mortar and labour for hoisting and finishing	L.S.	363.000	2.27	824.01	
	TOTAL				43538.31	W
	Add 1 % Water charges on "W-A"				45.78	
	TOTAL				43584.09	X
	Add GST on "X-A" (multiplying factor 0.2127)				983.40	
	TOTAL				44567.49	Y
	Add 15% CPOH on "Y-A"				841.02	
	TOTAL				45408.51	Z
	Add Cess @ 1% on "Z-A"				64.48	
	Cost for 4.5 cum.				45472.99	
	Cost per cum.				10105.11	
	Say				10105.10	

4.5.1A **1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Plain window sill 10x15 nos.					
	10x15x1m x 0.20m x 0.15m = 4.5cum.					
	MATERIAL					
	Cement concrete 1:1½:3					
4.1.2A	Rate as per Item No. 4.1.2A of SH: Concrete work	cum	4.50	8127.80	36575.10	A
0115	Coolie	day	5.100	736.00	3753.60	
	(Extra labour for lifting = 0.75 x 4.5 x 1.5 = 5.1)					
	Centering and shuttering					
	(1) Mould					
	(i) Plate 3mm thick					
	[(2x1x0.15)+(2x0.15x0.20)]x10 = 3.6 sqm. @ 23.55kg/m^2 = 84.8 kg.					
	(ii) Flat 10x5mm					
	10x4x1.0 = 40m					
	10x8x0.2 = 16m					
	10x4x0.15 = 6m					
	Handle 10x2x0.25 = 5m					
	67m @ 0.4kg/m = 26.8 kg.					
	Total = 111.6kg					
	Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit.					
	Qty taken for cost of using once = 111.6x0.75/40 = 2.1 kg					
10.1	Rate as per item no.10.1 S.H. steel work	kg	2.100	117.35	246.44	A
	(2) Moulding Platform					
	Assuming platform will become unserviceable after use of 40 times.					
	(i) Brick on edge flooring cement mortar 1:6					
	10x1x2.0x2.0m = 40 sqm.					
	Qty taken for cost of using once = 40/40 = 1 sqm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
11.1.2	Rate as per item no. 11.1.2 of S.H.: Flooring work (ii) 25mm thick cement concrete 1:2:4 in pavement 10x2.00x2.00x0.025 = 1cum Qty taken for cost of using once = 1/40 = 0.025 cum	sqm	1.000	965.55	965.55	A
Sub A/R-1	Rate as per item no. Sub AR-1 (Reference item no 11.7)	cum	0.025	8844.45	221.11	A
9999	Mortar and labour for hoisting and finishing	L.S.	363.000	2.27	824.01	
	TOTAL				42585.81	W
	Add 1 % Water charges on “W-A”				45.78	
	TOTAL				42631.59	X
	Add GST on “X-A” (multiplying factor 0.2127)				983.40	
	TOTAL				43614.99	Y
	Add 15% CPOH on “Y-A”				841.02	
	TOTAL				44456.01	Z
	Add Cess @ 1% on “Z-A”				64.48	
	Cost for 4.5 cum.				44520.49	
	Cost per cum.				9893.44	
	Say				9893.45	

Sub AR-1 (Reference item no 11.7) **Cement concrete pavement with 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%), including finishing complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one cum.					
	MATERIAL					
	Cement concrete 1:1.5:3					
4.1.2A	Rate as per item No.4.1.2A of SH.Concrete Work	cum	1.00	8127.80	8127.80	A
	Extra labour for laying in floors etc.					
0124	Mason (brick layer) 2nd class	day	0.35	816.00	285.60	
0114	Beldar	day	0.18	736.00	132.48	
0101	Bhisti	day	0.05	816.00	40.80	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				8631.54	W
	Add 1 % Water charges on “W-A”				5.04	
	TOTAL				8636.58	X
	Add GST on “X-A” (multiplying factor 0.2127)				108.22	
	TOTAL				8744.80	Y
	Add 15% CPOH on “Y-A”				92.55	
	TOTAL				8837.35	Z
	Add Cess @ 1% on “Z-A”				7.10	
	Cost of 1 Cum.				8844.45	
	Say				8844.45	

4.6 Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete.

4.6.1 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 250 No. kerbs, 40x30x20cm					
	250 no x 0.40m x 0.30m x 0.20m = 6 cum					
	MATERIAL					
	Cement concrete 1:1.5:3					
4.1.2	Rate as per Item No.4.1.2 of SH:Concrete Work	cum	6.000	8340.85	50045.10	A
	Centering and shuttering					
	(1) Mould					
	(i) Plate 3mm thick					
	10x0.28 sqm. @ 23.55kg/m^2 = 65.9 kg.					
	(ii) Flat 10x5mm					
	Handle					
	10x2x0.25 x0.4 = 2kg. Total =67.9 kg					
	Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit.					
	Qty taken for cost of using once = 67.9x0.75/40 = 1.273 kg					
10.1	Rate as per item No 10.1 SH: Steel work	kg	1.273	117.35	149.39	A
	(2) Moulding Platform					
	Assuming platform will become unserviceable after use of 40 times.					
	(i) Brick on edge flooring cement mortar 1:6					
	10x1x2.0x2.0m = 40 sqm.					
	Qty taken for cost of using once = 40/40 = 1 sqm					
11.1.2	Rate as per item No. 11.1.2 SH: Flooring work.	sqm	1.000	965.55	965.55	A
	(ii) 25mm thick cement concrete 1:2:4 in pavement					
	10x2.00x2.00x0.025 = 1					
	Qty taken for cost of using once = 1/40 = 0.025 cum					
11.7	Rate as per Item No. 11.7 of SH: Flooring	cum	0.025	8595.15	214.88	A
9999	Mortar and labour for finishing	L.S.	305.400	2.27	693.26	
	TOTAL				52068.18	W
	Add 1 % Water charges on “W-A”				6.93	
	TOTAL				52075.11	X
	Add GST on “X-A” (multiplying factor 0.2127)				148.93	
	TOTAL				52224.04	Y
	Add 15% CPOH on “Y-A”				127.37	
	TOTAL				52351.41	Z
	Add Cess @ 1% on “Z-A”				9.76	
	Cost for 6 cum.				52361.17	
	Cost per cum.				8726.86	
	Say				8726.85	

4.6.1A **1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 25%).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 250 no kerbs, 40x30x20cm					
	250 no x 0.40m x 0.30m x 0.20m = 6 cum					
	MATERIAL					
	Cement concrete 1:1.5:3					
4.1.2A	Rate as per Item No.4.1.2A of SH:Concrete Work	cum	6.000	8127.80	48766.80	A
	Centering and shuttering					
	(1) Mould					
	(i) Plate 3mm thick					
	10x0.28 sqm. @ 23.55kg/m^2 = 65.9 kg.					
	(ii) Flat 10x5mm					
	Handle					
	10x2x0.25 x0.4 = 2kg. Total =67.9 kg					
	Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit.					
	Qty taken for cost of using once = 67.9x0.75/40 = 1.273 kg					
10.1	Rate as per item No. 10.1 SH: Steel work	kg	1.273	117.35	149.39	A
	(2) Moulding Platform					
	Assuming platform will become unserviceable after use of 40 times.					
	(i) Brick on edge flooring cement mortar 1:6					
	10x1x2.0x2.0m = 40 sqm.					
	Qty taken for cost of using once = 40/40 = 1 sqm					
11.1.2	Rate as per item No. 11.1.2 SH: Flooring work.	sqm	1.000	965.55	965.55	A
	(ii) 25mm thick cement concrete 1:2:4 in pavement					
	10x2.00x2.00x0.025 = 1					
	Qty taken for cost of using once = 1/40 = 0.025 cum					
Sub A/R-1	Rate as per item No. Sub AR-1 (Reference item no 11.7)	cum	0.025	8844.45	221.11	A
9999	Mortar and labour for finishing	L.S.	305.400	2.27	693.26	
	TOTAL				50796.11	W
	Add 1 % Water charges on “W-A”				6.93	
	TOTAL				50803.04	X
	Add GST on “X-A” (multiplying factor 0.2127)				148.93	
	TOTAL				50951.97	Y
	Add 15% CPOH on “Y-A”				127.37	
	TOTAL				51079.34	Z
	Add Cess @ 1% on “Z-A”				9.76	
	Cost for 6 cum.				51089.10	
	Cost per cum.				8514.85	
	Say				8514.85	

4.7 Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete :

4.7.1 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 250 no blocks, 40x20x30cm					
	250 no x 0.40m x 0.30m x 0.20m = 6 cum					
	MATERIAL					
	Cement concrete 1:1.5:3					
4.1.2	Rate as per Item No.4.1.2 of SH:Concrete Work	cum	6.000	8340.85	50045.10	A
	Centering and shuttering					
	(1) Mould					
	(i) Plate 3mm thick					
	10x0.28 sqm. @ 23.55kg/m^2 = 65.9 kg.					
	(ii) Flat 10x5mm					
	Handle					
	10x2x0.25 x0.4 = 2kg. Total =67.9 kg					
	Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit.					
	Qty taken for cost of using once = 67.9x0.75/40 = 1.273 kg					
10.1	Rate as per item no.10.1 S.H: steel work	kg	1.273	117.35	149.39	A
	(2) Moulding Platform					
	Assuming platform will become unserviceable after use of 40 times.					
	(i) Brick on edge flooring cement mortar 1:6					
	10x1x2.0x2.0m = 40 sqm.					
	Qty taken for cost of using once = 40/40 = 1 sqm					
11.1.2	Rate as per item no. 11.1.2 S.H.: Flooring work.	sqm	1.000	965.55	965.55	A
	(ii) 25mm thick cement concrete 1:2:4 in pavement					
	10x2.00x2.00x0.025 = 1					
	Qty taken for cost of using once = 1/40 = 0.025 cum					
11.7	Rate as per Item No.11.7 of SH:Flooring	cum	0.025	8595.15	214.88	A
	Mortar 1:3 for Fixing=10x0.202/100x25=0.51					
3.8	Rate as per Item No 3.8	cum	0.510	4881.95	2489.79	
	Extra Labour for lifting (6x0.75x1.5=6.75)					
0115	Coolie	day	6.750	736.00	4968.00	
	Labour for hoisting and setting in position					
0123	Mason (brick layer) 1st class	day	6.000	897.00	5382.00	
0114	Beldar	day	36.000	736.00	26496.00	
	TOTAL				90710.71	W
	Add 1 % Water charges on “W-A”				393.36	
	TOTAL				91104.07	X
	Add GST on “X-A” (multiplying factor 0.2127)				8450.39	
	TOTAL				99554.46	Y
	Add 15% CPOH on “Y-A”				7226.93	
	TOTAL				106781.39	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z-A"				554.06	
	Cost for 6 cum.				107335.45	
	Cost per cum.				17889.24	
	Say				17889.25	

4.7.1A 1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including (Recycled Concrete Aggregate (RCA) upto 25%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 250 no blocks, 40x20x30cm					
	250 no x 0.40m x 0.30m x 0.20m = 6 cum					
	MATERIAL					
	Cement concrete 1:1.5:3					
4.1.2A	Rate as per Item No.4.1.2A of SH:Concrete Work	cum	6.000	8127.80	48766.80	A
	Centering and shuttering					
	(1) Mould					
	(i) Plate 3mm thick					
	10x0.28 sqm. @ 23.55kg/m^2 = 65.9 kg.					
	(ii) Flat 10x5mm					
	Handle					
	10x2x0.25 x0.4 = 2kg. Total =67.9 kg					
	Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit.					
	Qty taken for cost of using once = 67.9x0.75/40 = 1.273 kg					
10.1	Rate as per item no.10.1 SH: steel work	kg	1.273	117.35	149.39	A
	(2) Moulding Platform					
	Assuming platform will become unserviceable after use of 40 times.					
	(i) Brick on edge flooring cement mortar 1:6					
	10x1x2.0x2.0m = 40 sqm.					
	Qty taken for cost of using once = 40/40 = 1 sqm					
11.1.2	Rate as per item no. 11.1.2 SH.: Flooring work.	sqm	1.000	965.55	965.55	A
	(ii) 25mm thick cement concrete 1:2:4 in pavement					
	10x2.00x2.00x0.025 = 1					
	Qty taken for cost of using once = 1/40 = 0.025 cum					
Sub A/R-1	Rate as per item no. Sub AR-1 (Reference item no 11.7)	cum	0.025	8844.45	221.11	A
	Mortar 1:3 for Fixing 10x0.202/100x25=0.51					
3.8	Rate as per Item No 3.8	cum	0.510	4881.95	2489.79	
	Extra Labour for lifting (6x0.75x1.5=6.75)					
0115	Coolie	day	6.750	736.00	4968.00	
	Labour for hoisting and setting in position					
0123	Mason (brick layer) 1st class	day	6.000	897.00	5382.00	
0114	Beldar	day	36.000	736.00	26496.00	
	TOTAL				89438.64	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W-A”				393.36	
	TOTAL				89832.00	X
	Add GST on “X-A” (multiplying factor 0.2127)				8450.39	
	TOTAL				98282.39	Y
	Add 15% CPOH on “Y-A”				7226.93	
	TOTAL				105509.32	Z
	Add Cess @ 1% on “Z-A”				554.06	
	Cost for 6 cum.				106063.38	
	Cost per cum.				17677.23	
	Say				17677.25	

4.8 Providing and fixing up to floor five level precast cement concrete hollow block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete.

4.8.1 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) .

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one block of overall size 1m x 0.50m and 0.10m thick having 6 vertical hollows, 40x20x30cm finished contents = 1mx-0.5mx0.1m = 0.05cum					
	MATERIAL					
	Cement concrete 1:1.5:3					
	Net qty = 0.05[6x0.5x{2x1/2(0.05+7)}x0.074] = 0.023cum					
4.1.2	Rate as per Item No.4.1.2 of SH:Concrete Work	cum	0.023	8340.85	191.84	A
9999	Centering and shuttering including T&P charges, hire charges of steel mould, table vibrator, rammer, bolts nuts & washers etc.	L.S.	26.91	2.27	61.09	
	Cement mortar 1:2 for fixing					
3.7	Rate as per Item No.3.7 of SH:Mortars	cum	0.002	5584.50	11.17	
	Labour					
	Extra Labour for lifting material upto floor V level					
0115	Coolie	day	0.056	736.00	41.22	
	Labour for hoisting and setting in position					
0123	Mason (brick layer) 1st class	day	0.05	897.00	44.85	
0114	Beldar	day	0.30	736.00	220.80	
	TOTAL				570.97	W
	Add 1 % Water charges on “W-A”				3.79	
	TOTAL				574.76	X
	Add GST on “X-A” (multiplying factor 0.2127)				81.45	
	TOTAL				656.21	Y
	Add 15% CPOH on “Y-A”				69.66	
	TOTAL				725.87	Z
	Add Cess @ 1% on “Z-A”				5.34	
	Cost for 0.05 cum.				731.21	
	Cost per cum.				14624.20	
	Say				14624.20	

4.8.1A **1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) ncluding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 3 graded stone aggregate 20 mm nominal size including (Recycled Concrete Aggregate (RCA) upto 25%).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one block of overall size 1m x 0.50m and 0.10m thick having 6 vertical hollows, 40x20x30cm finished contents = 1mx-0.5mx0.1m = 0.05cum					
	MATERIAL					
	Cement concrete 1:1.5:3					
	Net qty = 0.05[6x0.5x{2x1/2(0.05+7)}x0.074] = 0.023cum					
4.1.2A	Rate as per Item No.4.1.2A of SH:Concrete Work	cum	0.023	8127.80	186.94	A
9999	Centering and shuttering including T&P charges, hire charges of steel mould, table vibrator, rammer, bolts nuts & washers etc.	L.S.	26.91	2.27	61.09	
	Cement mortar 1:2 for fixing					
3.7	Rate as per Item No.3.7 of SH:Mortars	cum	0.002	5584.50	11.17	
	Labour					
	Extra Labour for lifting material upto floor V level					
0115	Coolie	day	0.056	736.00	41.22	
	Labour for hoisting and setting in position					
0123	Mason (brick layer) 1st class	day	0.05	897.00	44.85	
0114	Beldar	day	0.30	736.00	220.80	
	TOTAL				566.07	W
	Add 1 % Water charges on “W-A”				3.79	
	TOTAL				569.86	X
	Add GST on “X-A” (multiplying factor 0.2127)				81.45	
	TOTAL				651.31	Y
	Add 15% CPOH on “Y-A”				69.66	
	TOTAL				720.97	Z
	Add Cess @ 1% on “Z-A”				5.34	
	Cost for 0.05 cum.				726.31	
	Cost per cum.				14526.20	
	Say				14526.20	

4.9 **Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in cement concrete 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources), including necessary excavation of size 250x250x450mm deep for the same in bitumen/ concrete pavement at specified spacing.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost for one bollard					
	MATERIAL					
	Cement concrete 1:2:4					
	3.14/4x(0.125)x(0.125)x0.60 = 0.007 cum					
5.1.3	Rate as per Item No. 5.1.3 SH : RCC	cum	0.007	8583.40	60.08	A
	Centering and shuttering					
	3.14x(0.125)x0.60 = 0.24 sqm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
5.9.1	Rate as per Item No. 5.9.1 SH : RCC M.S. pipes (medium class) 50 mm dia sleeve =1x0.30x5.10 =1.53 kg 40 mm dia pipe =1x0.45x3.61 =1.62 kg M.S. plate 3mm thick =(0.15x0.15)x23.55 =0.53 kg Total =3.68 kg	sqm	0.24	392.15	94.12	A
10.1	Rate as per Item No.10.1SH : Steel work Excavation 0.25x0.25x0.45 = 0.03 cum	kg	3.68	117.35	431.85	A
2.8.1	Rate as per Item No. 2.8.1 SH : Earth work Cement concrete 1:3:6	cum	0.03	260.30	7.81	A
4.1.5	Rate as per Item No. 4.1.5 SH : Cement concrete 6 mm rendering (1:3) (0.24+0.01) = 0.25 sqm	cum	0.03	7294.70	218.84	A
5.23	Rate as per Item No. 5.23 SH : RCC	sqm	0.25	300.45	75.11	A
9988	Carriage and fixing charges	L.S.	13.00	2.27	29.51	
	TOTAL				917.32	W
	Add 1 % Water charges on “W-A”				0.30	
	TOTAL				917.62	X
	Add GST on “X-A” (multiplying factor 0.2127)				6.34	
	TOTAL				923.96	Y
	Add 15% CPOH on “Y-A”				5.42	
	TOTAL				929.38	Z
	Add Cess @ 1% on “Z-A”				0.42	
	Cost for one bollard				929.80	
	Say				929.80	

4.9 A **Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in cement concrete 1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size (Recycled Concrete Aggregate (RCA)), including necessary excavation of size 250x250x450mm deep for the same in bitumen/ concrete pavement at specified spacing**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost for one bollard MATERIAL Cement concrete 1:2:4 3.14/4x(0.125)x(0.125)x0.60 = 0.007 cum					
5.1.3A	Rate as per Item no. 5.1.3 SH : RCC Centering and shuttering 3.14x(0.125)x0.60 = 0.24 sqm	cum	0.007	8404.05	58.83	A
5.9.1	Rate as per Item no. 5.9.1 SH : RCC M.S. pipes (medium class) 50 mm dia sleeve =1x0.30x5.10 =1.53 kg 40 mm dia pipe =1x0.45x3.61 =1.62 kg M.S. plate 3mm thick =(0.15x0.15)x23.55 =0.53 kg Total =3.68 kg	sqm	0.24	392.15	94.12	A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
10.1	Rate as per Item no.10.1SH : Steel work	kg	3.68	117.35	431.85	A
	Excavation					
	0.25x0.25x0.45 = 0.03 cum					
2.8.1	Rate as per Item no. 2.8.1 SH : Earth work	cum	0.03	260.30	7.81	A
	Cement concrete 1:3:6					
4.1.5 A	Rate as per Item no. 4.1.5 A SH : Cement concrete	cum	0.03	6347.75	190.43	A
	6 mm rendering (1:3) (0.24+0.01) = 0.25 sqm					
5.23	Rate as per Item no. 5.23 SH : RCC	sqm	0.25	300.45	75.11	A
9988	Carriage and fixing charges	L.S.	13.00	2.27	29.51	
	TOTAL				887.66	W
	Add 1 % Water charges on “W-A”				0.30	
	TOTAL				887.96	X
	Add GST on “X-A” (multiplying factor 0.2127)				6.34	
	TOTAL				894.30	Y
	Add 15% CPOH on “Y-A”				5.42	
	TOTAL				899.72	Z
	Add Cess @ 1% on “Z-A”				0.42	
	Cost for one bollard				900.14	
	Say				900.15	

4.9 B **Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in cement concrete 1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size (Recycled Aggregate (RA), including necessary excavation of size 250x250x450mm deep for the same in bitumen/ concrete pavement at specified spacing**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost for one bollard					
	MATERIAL					
	Cement concrete 1:2:4					
	3.14/4x(0.125)x(0.125)x0.60 = 0.007 cum					
5.1.3A	Rate as per Item no. 5.1.3 SH : RCC	cum	0.007	8404.05	58.83	A
	Centering and shuttering					
	3.14x(0.125)x0.60 = 0.24 sqm					
5.9.1	Rate as per Item no. 5.9.1 SH : RCC	sqm	0.24	392.15	94.12	A
	M.S. pipes (medium class)					
	50 mm dia sleeve =1x0.30x5.10 =1.53 kg					
	40 mm dia pipe =1x0.45x3.61 =1.62 kg					
	M.S. plate 3mm thick =(0.15x0.15)x23.55 =0.53 kg					
	Total =3.68 kg					
10.1	Rate as per Item no.10.1SH : Steel work	kg	3.68	117.35	431.85	A
	Excavation					
	0.25x0.25x0.45 = 0.03 cum					
2.8.1	Rate as per Item no. 2.8.1 SH : Earth work	cum	0.03	260.30	7.81	A
	Cement concrete 1:3:6					
4.1.5 B	Rate as per Item no. 4.1.5 B SH : Cement concrete	cum	0.03	5639.85	169.20	A
	6 mm rendering (1:3) (0.24+0.01) = 0.25 sqm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
5.23	Rate as per Item no. 5.23 SH : RCC	sqm	0.25	300.45	75.11	A
9988	Carriage and fixing charges	L.S.	13.00	2.27	29.51	
	TOTAL				866.43	W
	Add 1 % Water charges on “W-A”				0.30	
	TOTAL				866.73	X
	Add GST on “X-A” (multiplying factor 0.2127)				6.34	
	TOTAL				873.07	Y
	Add 15% CPOH on “Y-A”				5.42	
	TOTAL				878.49	Z
	Add Cess @ 1% on “Z-A”				0.42	
	Cost for one bollard				878.91	
	Say				878.90	

4.10 Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 12.5 mm nominal size)					
	10x0.040 = 0.40 cum					
4.1.3	Rate as per item no 4.1.3 of SH: Concrete work	cum	0.40	7878.50	3151.40	A
	Add deduct for difference of cost between 20mm size and 12.5mm size					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	-0.67	1425.00	-954.75	
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.67	1400.00	938.00	
	Add for delay					
0123	Mason (brick layer) 1st class	day	0.40	897.00	358.80	
0124	Mason (brick layer) 2nd class	day	0.40	816.00	326.40	
9999	Sundries (Form work etc.)	L.S.	1.95	2.27	4.43	
	TOTAL				3824.28	W
	Add 1 % Water charges on “W-A”				6.73	
	TOTAL				3831.01	X
	Add GST on “X-A” (multiplying factor 0.2127)				144.55	
	TOTAL				3975.56	Y
	Add 15% CPOH on “Y-A”				123.62	
	TOTAL				4099.18	Z
	Add Cess @ 1% on “Z-A”				9.48	
	Cost for 10 sqm				4108.66	
	Cost for 1 sqm				410.87	
	Say				410.85	

4.10A Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 12.5mm nominal size including (Recycled Concrete Aggregate (RCA) upto 25%)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) Recycled concrete aggregate (RCA) upto 25% : 4 graded stone aggregate 12.5mm nominal size (Recycled concrete aggregate (RCA) upto 25%)) 10x0.040 = 0.40 cum					
4.1.3A	Rate as per item no 4.1.3A of SH: Concrete work	cum	0.40	7654.85	3061.94	A
	Add deduct for difference of cost between 20mm size and 12.5mm size					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from naturla sources	cum	-0.503	1425.00	-716.78	
0279	Stone Aggregate (Single size) : 20 mm nominal size derived from Reinforced Cement Concrete (RCA)	cum	-0.167	957.00	-159.82	
0296	Stone Aggregate (Single size) : 12.5 mm nominal size derived from naturla sources	cum	0.503	1400.00	704.20	
0280	Stone Aggregate (Single size) : 12.5 mm nominal size derived from Reinforced Cement Concrete (RCA)	cum	0.167	957.00	159.82	
	Add for delay					
0123	Mason (brick layer) 1st class	day	0.40	897.00	358.80	
0124	Mason (brick layer) 2nd class	day	0.40	816.00	326.40	
9999	Sundries (Form work etc.)	L.S.	1.95	2.27	4.43	
	TOTAL				3738.99	W
	Add 1 % Water charges on “W-A”				6.77	
	TOTAL				3745.76	X
	Add GST on “X-A” (multiplying factor 0.2127)				145.45	
	TOTAL				3891.21	Y
	Add 15% CPOH on “Y-A”				124.39	
	TOTAL				4015.60	Z
	Add Cess @ 1% on “Z-A”				9.54	
	Cost for 10 sqm				4025.14	
	Cost for 1 sqm				402.51	
	Say				402.50	

4.11 Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size) = 10x0.05 = 0.50 cum					
4.1.3	Rate as per item no 4.1.3 of SH:Concrete work	cum	0.50	7878.50	3939.25	A
	Add for delay :					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason (brick layer) 1st class	day	0.40	897.00	358.80	
0124	Mason (brick layer) 2nd class	day	0.40	816.00	326.40	
9999	Sundries (Form work etc.)	L.S.	13.52	2.27	30.69	
	TOTAL				4655.14	W
	Add 1 % Water charges on “W-A”				7.16	
	TOTAL				4662.30	X
	Add GST on “X-A” (multiplying factor 0.2127)				153.79	
	TOTAL				4816.09	Y
	Add 15% CPOH on “Y-A”				131.53	
	TOTAL				4947.62	Z
	Add Cess @ 1% on “Z-A”				10.08	
	Cost for 10 sqm.				4957.70	
	Cost of 1 sqm.				495.77	
	Say				495.75	

4.11A Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) ncluding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 20mm nominal size (Recycled Concrete Aggregate (RCA) upto 25%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	1:2:4 (1 cement : 2 coarse sand (zone-III) Recycled concrete aggregate (RCA) upto 25% : 4 graded stone aggregate 20mm nominal size (Recycled Concrete Aggregate (RCA) upto 25%)) = 10x0.05 = 0.50 cum					
4.1.3A	Rate as per item no 4.1.3A of SH:Concrete work	cum	0.50	7654.85	3827.43	A
	Add for delay :					
0123	Mason (brick layer) 1st class	day	0.40	897.00	358.80	
0124	Mason (brick layer) 2nd class	day	0.40	816.00	326.40	
9999	Sundries (Form work etc.)	L.S.	13.52	2.27	30.69	
	TOTAL				4543.32	W
	Add 1 % Water charges on “W-A”				7.16	
	TOTAL				4550.48	X
	Add GST on “X-A” (multiplying factor 0.2127)				153.79	
	TOTAL				4704.27	Y
	Add 15% CPOH on “Y-A”				131.53	
	TOTAL				4835.80	Z
	Add Cess @ 1% on “Z-A”				10.08	
	Cost for 10 sqm.				4845.88	
	Cost of 1 sqm.				484.59	
	Say				484.60	

4.12 Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for per bag of 50kg. of cement					
	MATERIAL					
	Approved waterproofing'materials according to the recommended proportions@0.20% of cement					
1213	Water proofing materials	kilogram	0.10	45.00	4.50	
9988	Carriage of water proofing material and labour for mixing etc.	L.S.	3.64	2.27	8.26	
	TOTAL				12.76	W
	Add 1 % Water charges on "W"				0.13	
	TOTAL				12.89	X
	Add GST on "X" (multiplying factor 0.2127)				2.74	
	TOTAL				15.63	Y
	Add 15% CPOH on "Y"				2.34	
	TOTAL				17.97	Z
	Add Cess @ 1% on "Z"				0.18	
	Cost per bag of cement of 50kg.				18.15	
	Say				18.15	

4.13 Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
0309	Paving bitumen VG-10 of approved quality	tonne	0.017	33530.00	570.01	
0771	Kerosene oil	litre	1.23	50.00	61.50	
	Fuel for heating					
0370	Coal (steam)	quintal	0.035	500.00	17.50	
2211	Carriage of Tar bitumen	tonne	0.017	0.00	0.00	
	LABOUR					
	Cleaning surface and applying kerosene oil					
0114	Beldar	day	0.12	736.00	88.32	
	Heating the material					
0115	Coolie	day	0.07	736.00	51.52	
	Spreading hot tar over damp proof course					
0131	Painter	day	0.20	816.00	163.20	
9988	Sundries (Carriage of kerosene, steam coal, brushes, T&P etc.)	L.S.	33.15	2.27	75.25	
	TOTAL				1027.30	W
	Add 1 % Water charges on "W"				10.27	
	TOTAL				1037.57	X
	Add GST on "X" (multiplying factor 0.2127)				220.69	
	TOTAL				1258.26	Y
	Add 15% CPOH on "Y"				188.74	
	TOTAL				1447.00	Z
	Add Cess @ 1% on "Z"				14.47	
	Cost for 10 sqm.				1461.47	
	Cost of 1 sqm.				146.15	
	Say				146.15	

4.14 Extra for concrete work in superstructure above floor V level for each four floors or part thereof by mechnical means.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5.3 cum per four floors .					
0037	Mobile crane	day	0.125	5050.00	631.25	
	TOTAL				631.25	W
	Add 1 % Water charges on “W”				6.31	
	TOTAL				637.56	X
	Add GST on “X” (multiplying factor 0.2127)				135.61	
	TOTAL				773.17	Y
	Add 15% CPOH on “Y”				115.98	
	TOTAL				889.15	Z
	Add Cess @ 1% on “Z”				8.89	
	Cost of 5.3 Cum.				898.04	
	Cost for 1 cum				169.44	
	Say				169.45	

4.15 Extra for laying concrete in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4.2 cum per 1 m depth (14 cum per 0.3m depth)					
	Quantity of concrete = 14 cum. pumping hours = 3 hrs. or 0.375 day.					
0011	Hire charges of Pumpset of capacity 4000 litres/hour.	day	0.375	800.00	300.00	
0114	Beldar	day	4.000	736.00	2944.00	
	for cleaning slush					
	TOTAL				3244.00	W
	Add 1 % Water charges on “W”				32.44	
	TOTAL				3276.44	X
	Add GST on “X” (multiplying factor 0.2127)				696.90	
	TOTAL				3973.34	Y
	Add 15% CPOH on “Y”				596.00	
	TOTAL				4569.34	Z
	Add Cess @ 1% on “Z”				45.69	
	Cost of 4.2cum per 1 metre depth				4615.03	
	Cost of cum per metre depth				1098.82	
	Say				1098.80	

4.16 Extra for laying concrete in or under foul positions.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	Extra labour due to slow progress-					
0123	Mason (brick layer) 1st class	day	0.02	897.00	17.94	
0124	Mason (brick layer) 2nd class	day	0.02	816.00	16.32	
0114	Beldar	day	0.25	736.00	184.00	
0115	Coolie	day	0.15	736.00	110.40	
	TOTAL				328.66	W
	Add 1 % Water charges on “W”				3.29	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				331.95	X
	Add GST on "X" (multiplying factor 0.2127)				70.61	
	TOTAL				402.56	Y
	Add 15% CPOH on "Y"				60.38	
	TOTAL				462.94	Z
	Add Cess @ 1% on "Z"				4.63	
	Cost for 1 cum.				467.57	
	Say				467.55	

4.17 Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	0.75	700.00	525.00	
2260	Carriage of Brick aggregate	cum	0.75	0.00	0.00	
0983	Fine sand (zone IV)	cum	0.06	980.00	58.80	
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.06	0.00	0.00	
	Dressing the gound including cutting and filling upto 15 cm				0.00	
0114	Beldar	day	0.16	736.00	117.76	
0115	Coolie	day	0.11	736.00	80.96	
	MATERIAL					
	Qty. of cement concrete 1:3:6 on 10 sqm. area = 0.5 cum.					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.35	1425.00	498.75	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.12	1400.00	168.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.47	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.23	1450.00	333.50	
2203	Carriage of Coarse sand	cum	0.23	0.00	0.00	
0367	Portland Cement	tonne	0.11	5156.00	567.16	
2209	Carriage of Cement	tonne	0.11	0.00	0.00	
	Labour (for C.C 1:3:6)				0.00	
0114	Beldar	day	1.00	736.00	736.00	
0123	Mason (brick layer) 1st class	day	0.05	897.00	44.85	
0101	Bhisti	day	0.33	816.00	269.28	
9999	Hire and runing charges of mechanical mixer	L.S.	13.39	2.27	30.40	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0155	Mason (average)	day	0.27	857.00	231.39	
0114	Beldar	day	1.08	736.00	794.88	
0115	Coolie	day	1.08	736.00	794.88	
	TOTAL				5266.96	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on "W"				52.67	
	TOTAL				5319.63	X
	Add GST on "X" (multiplying factor 0.2127)				1131.49	
	TOTAL				6451.12	Y
	Add 15% CPOH on "Y"				967.67	
	TOTAL				7418.79	Z
	Add Cess @ 1% on "Z"				74.19	
	Cost of 10.00 sqm				7492.98	
	Cost of 1.00 sqm				749.30	
	Say				749.30	

4.17A Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	0.75	700.00	525.00	
2260	Carriage of Brick aggregate	cum	0.75	0.00	0.00	
0983	Fine sand (zone IV)	cum	0.06	980.00	58.80	
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.06	0.00	0.00	
	Dressing the gound including cutting and filling upto 15 cm				0.00	
0114	Beldar	day	0.16	736.00	117.76	
0115	Coolie	day	0.11	736.00	80.96	
	MATERIAL					
	Qty. of cement concrete 1:3:6 on 10 sqm. area = 0.5 cum.					
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.35	957.00	334.95	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.12	957.00	114.84	
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.47	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.23	957.00	220.11	
2203	Carriage of Coarse sand including manufactured sand	cum	0.23	0.00	0.00	
0367	Portland Cement	tonne	0.11	5156.00	567.16	
2209	Carriage of Cement	tonne	0.11	0.00	0.00	
	Labour (for C.C 1:3:6)					
0114	Beldar	day	1.00	736.00	736.00	
0123	Mason (brick layer) 1st class	day	0.05	897.00	44.85	
0101	Bhisti	day	0.33	816.00	269.28	
9999	Hire and runing charges of mechanical mixer	L.S.	13.39	2.27	30.40	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0155	Mason (average)	day	0.27	857.00	231.39	
0114	Beldar	day	1.08	736.00	794.88	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	1.08	736.00	794.88	
	TOTAL				4936.61	W
	Add 1 % Water charges on “W”				49.37	
	TOTAL				4985.98	X
	Add GST on “X” (multiplying factor 0.2127)				1060.52	
	TOTAL				6046.50	Y
	Add 15% CPOH on “Y”				906.98	
	TOTAL				6953.48	Z
	Add Cess @ 1% on “Z”				69.53	
	Cost of 10.00 sqm				7023.01	
	Cost of 1.00 sqm				702.30	
	Say				702.30	

4.17B Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Aggregate (RA) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	0.75	700.00	525.00	
2260	Carriage of Brick aggregate	cum	0.75	0.00	0.00	
0983	Fine sand (zone IV)	cum	0.06	980.00	58.80	
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.06	0.00	0.00	
	Dressing the gound including cutting and filling upto 15cm					
0114	Beldar	day	0.16	736.00	117.76	
0115	Coolie	day	0.11	736.00	80.96	
	MATERIAL					
	Qty. of cement concrete 1:3:6 on 10 sqm. area = 0.5cum.					
0283	Recycled Aggregate (RA) 20 mm nominal size	cum	0.35	420.00	147.00	
0284	Recycled Aggregate (RA) 10 mm nominal size	cum	0.12	450.00	54.00	
2202	Carriage of Recycled Aggregate below 40 mm nominal size	cum	0.47	0.00	0.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.23	957.00	220.11	
2203	Carriage of manufactured sand	cum	0.23	0.00	0.00	
0367	Portland Cement	tonne	0.11	5156.00	567.16	
2209	Carriage of Cement	tonne	0.11	0.00	0.00	
	Labour (for C.C 1:3:6)					
0114	Beldar	day	1.00	736.00	736.00	
0123	Mason (brick layer) 1st class	day	0.05	897.00	44.85	
0101	Bhisti	day	0.33	816.00	269.28	
9999	Hire and runing charges of mechanical mixer	L.S.	13.39	2.27	30.40	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0155	Mason (average)	day	0.27	857.00	231.39	
0114	Beldar	day	1.08	736.00	794.88	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	1.08	736.00	794.88	
	TOTAL				4687.82	W
	Add 1 % Water charges on “W”				46.88	
	TOTAL				4734.70	X
	Add GST on “X” (multiplying factor 0.2127)				1007.07	
	TOTAL				5741.77	Y
	Add 15% CPOH on “Y”				861.27	
	TOTAL				6603.04	Z
	Add Cess @ 1% on “Z”				66.03	
	Cost of 10.00 sqm				6669.07	
	Cost of 1.00 sqm				666.91	
	Say				666.90	

4.18 Extra for addition of synthetic Polyester triangular fibre of length 12mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement concrete/RCC/Flooring/water retaining structures by using 125gms of synthetic Polyester triangular fibre for 50 Kg cement used as per directions of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for per bag of 50 kg of cement used in concrete					
	MATERIAL					
8732	Synthetic polyester triangular fibre of length 12mm, effective dia 10-40 microns and specific gravity of 1.34 to 1.40	kg	0.125	395.50	49.44	
	TOTAL				49.44	W
	Add 1 % Water charges on “W”				0.49	
	TOTAL				49.93	X
	Add GST on “X” (multiplying factor 0.2127)				10.62	
	TOTAL				60.55	Y
	Add 15% CPOH on “Y”				9.08	
	TOTAL				69.63	Z
	Add Cess @ 1% on “Z”				0.70	
	Cost per bag of 50 kg of cement				70.33	
	Say				70.35	

4.20 Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete.

Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.

4.20.1 All works upto plinth level :

4.20.1.1 Concrete of M10 grade with minimum cement content of 220 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.10	30.00	33.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	
	Labour for pouring, consolidating & curing				0.00	
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6210.42	W
	Add 1 % Water charges on “W”				62.10	
	TOTAL				6272.52	X
	Add GST on “X” (multiplying factor 0.2127)				1334.17	
	TOTAL				7606.69	Y
	Add 15% CPOH on “Y”				1141.00	
	TOTAL				8747.69	Z
	Add Cess @ 1% on “Z”				87.48	
	Cost per 1.00 cum				8835.17	
	Say				8835.15	

4.20.1.2 Concrete of M15 grade with minimum cement content of 240 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.24	5156.00	1237.44	
2209	Carriage of Cement	tonne	0.24	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.20	30.00	36.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	
	Labour for pouring, consolidating & curing				0.00	
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6316.54	W
	Add 1 % Water charges on “W”				63.17	
	TOTAL				6379.71	X
	Add GST on “X” (multiplying factor 0.2127)				1356.96	
	TOTAL				7736.67	Y
	Add 15% CPOH on “Y”				1160.50	
	TOTAL				8897.17	Z
	Add Cess @ 1% on “Z”				88.97	
	Cost per 1.00 cum				8986.14	
	Say				8986.15	

4.20.1.3 Concrete of M20 grade with minimum cement content of 270 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.27	5156.00	1392.12	
2209	Carriage of Cement	tonne	0.27	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.35	30.00	40.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6475.72	W
	Add 1 % Water charges on “W”				64.76	
	TOTAL				6540.48	X
	Add GST on “X” (multiplying factor 0.2127)				1391.16	
	TOTAL				7931.64	Y
	Add 15% CPOH on “Y”				1189.75	
	TOTAL				9121.39	Z
	Add Cess @ 1% on “Z”				91.21	
	Cost per 1.00 cum				9212.60	
	Say				9212.60	

4.20.1.4 Concrete of M25 grade with minimum cement content of 300 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.30	5156.00	1546.80	
2209	Carriage of Cement	tonne	0.30	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.50	30.00	45.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	
	Labour for pouring, consolidating & curing				0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6634.90	W
	Add 1 % Water charges on “W”				66.35	
	TOTAL				6701.25	X
	Add GST on “X” (multiplying factor 0.2127)				1425.36	
	TOTAL				8126.61	Y
	Add 15% CPOH on “Y”				1218.99	
	TOTAL				9345.60	Z
	Add Cess @ 1% on “Z”				93.46	
	Cost per 1.00 cum				9439.06	
	Say				9439.05	

4.20.2 All works above plinth and upto floor V level

4.20.2.1 Concrete of M10 grade with minimum cement content of 220 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.10	30.00	33.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6460.42	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				64.60	
	TOTAL				6525.02	X
	Add GST on “X” (multiplying factor 0.2127)				1387.87	
	TOTAL				7912.89	Y
	Add 15% CPOH on “Y”				1186.93	
	TOTAL				9099.82	Z
	Add Cess @ 1% on “Z”				91.00	
	Cost per 1.00 cum				9190.82	
	Say				9190.80	

4.20.2.2 Concrete of M15 grade with minimum cement content of 240 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.24	5156.00	1237.44	
2209	Carriage of Cement	tonne	0.24	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.20	30.00	36.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6566.54	W
	Add 1 % Water charges on “W”				65.67	
	TOTAL				6632.21	X
	Add GST on “X” (multiplying factor 0.2127)				1410.67	
	TOTAL				8042.88	Y
	Add 15% CPOH on “Y”				1206.43	
	TOTAL				9249.31	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				92.49	
	Cost per 1.00 cum				9341.80	
	Say				9341.80	

4.20.2.3 Concrete of M20 grade with minimum cement content of 270 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.27	5156.00	1392.12	
2209	Carriage of Cement	tonne	0.27	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.35	30.00	40.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6725.72	W
	Add 1 % Water charges on “W”				67.26	
	TOTAL				6792.98	X
	Add GST on “X” (multiplying factor 0.2127)				1444.87	
	TOTAL				8237.85	Y
	Add 15% CPOH on “Y”				1235.68	
	TOTAL				9473.53	Z
	Add Cess @ 1% on “Z”				94.74	
	Cost per 1.00 cum				9568.27	
	Say				9568.25	

4.20.2.4 Concrete of M25 grade with minimum cement content of 300 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0293	Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1400.00	910.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1425.00	342.00	
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	0.00	0.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.47	1450.00	681.50	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.30	5156.00	1546.80	
2209	Carriage of Cement	tonne	0.30	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.50	30.00	45.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6884.90	W
	Add 1 % Water charges on “W”				68.85	
	TOTAL				6953.75	X
	Add GST on “X” (multiplying factor 0.2127)				1479.06	
	TOTAL				8432.81	Y
	Add 15% CPOH on “Y”				1264.92	
	TOTAL				9697.73	Z
	Add Cess @ 1% on “Z”				96.98	
	Cost per 1.00 cum				9794.71	
	Say				9794.70	

4.20A Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources and using recycled concrete aggregate (RCA) as coarse aggregate and fine aggregate within the permissible utilization, Portland Pozzolana / Ordinary Portland/ Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete.

Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.

4.20A.1 All works upto plinth level

4.20A.1.1 Concrete of M10 grade with minimum cement content of 220 kg /cum. (Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 100% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.89	957.00	851.73	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0278	Fine aggregate derivered from recycled concrete aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of fine aggregate derivered from recycled concrete aggregate (RCA)	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.10	30.00	33.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				5578.44	W
	Add 1 % Water charges on “W”				55.78	
	TOTAL				5634.22	X
	Add GST on “X” (multiplying factor 0.2127)				1198.40	
	TOTAL				6832.62	Y
	Add 15% CPOH on “Y”				1024.89	
	TOTAL				7857.51	Z
	Add Cess @ 1% on “Z”				78.58	
	Cost per 1.00 cum				7936.09	
	Say				7936.10	

4.20A.1.2 Concrete of M15 grade with minimum cement content of 240 kg /cum. (Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1425.00	951.90	
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1450.00	511.85	
0278	Fine aggregate derivered from recycled concrete aggregate (RCA) (25%)	cum	0.117	957.00	111.97	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.24	5156.00	1237.44	
2209	Carriage of Cement	tonne	0.24	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.20	30.00	36.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6171.21	W
	Add 1 % Water charges on “W”				61.71	
	TOTAL				6232.92	X
	Add GST on “X” (multiplying factor 0.2127)				1325.74	
	TOTAL				7558.66	Y
	Add 15% CPOH on “Y”				1133.80	
	TOTAL				8692.46	Z
	Add Cess @ 1% on “Z”				86.92	
	Cost per 1.00 cum				8779.38	
	Say				8779.40	

4.20A.1.3 Concrete of M20 grade with minimum cement content of 270 kg /cum. (Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1425.00	951.90	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1450.00	511.85	
0278	Fine aggregate derivered from recycled concrete aggregate (RCA) (25%)	cum	0.117	957.00	111.97	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.27	5156.00	1392.12	
2209	Carriage of Cement	tonne	0.27	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.35	30.00	40.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6330.39	W
	Add 1 % Water charges on “W”				63.30	
	TOTAL				6393.69	X
	Add GST on “X” (multiplying factor 0.2127)				1359.94	
	TOTAL				7753.63	Y
	Add 15% CPOH on “Y”				1163.04	
	TOTAL				8916.67	Z
	Add Cess @ 1% on “Z”				89.17	
	Cost per 1.00 cum				9005.84	
	Say				9005.85	

4.20A.1.4 Concrete of M25 grade with minimum cement content of 300 kg /cum. (Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1425.00	951.90	
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1450.00	511.85	
0278	Fine aggregate derivered from recycled concrete aggregate (RCA) (25%)	cum	0.117	957.00	111.97	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.30	5156.00	1546.80	
2209	Carriage of Cement	tonne	0.30	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.50	30.00	45.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6489.57	W
	Add 1 % Water charges on “W”				64.90	
	TOTAL				6554.47	X
	Add GST on “X” (multiplying factor 0.2127)				1394.14	
	TOTAL				7948.61	Y
	Add 15% CPOH on “Y”				1192.29	
	TOTAL				9140.90	Z
	Add Cess @ 1% on “Z”				91.41	
	Cost per 1.00 cum				9232.31	
	Say				9232.30	

4.20A.2 All works above plinth and upto floor V level

4.20A.2.1 Concrete of M10 grade with minimum cement content of 220 kg /cum. (Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 100% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0279	Recycled Concrete Aggregate (RCA)) 20 mm nominal size	cum	0.89	957.00	851.73	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0278	Fine aggregate derivered from recycled concrete aggregate (RCA)	cum	0.47	957.00	449.79	
2203	Carriage of fine aggregate derivered from recycled concrete aggregate (RCA)	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.22	5156.00	1134.32	
2209	Carriage of Cement	tonne	0.22	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.10	30.00	33.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				5828.44	W
	Add 1 % Water charges on “W”				58.28	
	TOTAL				5886.72	X
	Add GST on “X” (multiplying factor 0.2127)				1252.11	
	TOTAL				7138.83	Y
	Add 15% CPOH on “Y”				1070.82	
	TOTAL				8209.65	Z
	Add Cess @ 1% on “Z”				82.10	
	Cost per 1.00 cum				8291.75	
	Say				8291.75	

4.20A.2.2 Concrete of M15 grade with minimum cement content of 240 kg /cum.
(Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1425.00	951.90	
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1450.00	511.85	
0278	Fine aggregate derivered from recycled concrete aggregate (RCA) (25%)	cum	0.117	957.00	111.97	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.24	5156.00	1237.44	
2209	Carriage of Cement	tonne	0.24	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.20	30.00	36.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6421.21	W
	Add 1 % Water charges on "W"				64.21	
	TOTAL				6485.42	X
	Add GST on "X" (multiplying factor 0.2127)				1379.45	
	TOTAL				7864.87	Y
	Add 15% CPOH on "Y"				1179.73	
	TOTAL				9044.60	Z
	Add Cess @ 1% on "Z"				90.45	
	Cost per 1.00 cum				9135.05	
	Say				9135.05	

4.20A.2.3 Concrete of M20 grade with minimum cement content of 270 kg /cum. (Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1425.00	951.90	
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1450.00	511.85	
0278	Fine aggregate derivered from recycled concrete aggregate (RCA) (25%)	cum	0.117	957.00	111.97	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.27	5156.00	1392.12	
2209	Carriage of Cement	tonne	0.27	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.35	30.00	40.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6580.39	W
	Add 1 % Water charges on "W"				65.80	
	TOTAL				6646.19	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				1413.64	
	TOTAL				8059.83	Y
	Add 15% CPOH on "Y"				1208.97	
	TOTAL				9268.80	Z
	Add Cess @ 1% on "Z"				92.69	
	Cost per 1.00 cum				9361.49	
	Say				9361.50	

4.20A.2.4 Concrete of M25 grade with minimum cement content of 300 kg /cum. (Note: The permissible utilization of Recycled Concrete Aggregate (RCA) as coarse aggregate and fine aggregate is 25% each).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.668	1425.00	951.90	
0279	Recycled Concrete Aggregate (RCA) (25%) 20 mm nominal size	cum	0.222	957.00	212.45	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.353	1450.00	511.85	
0278	Fine aggregate derivered from recycled concrete aggregate (RCA) (25%)	cum	0.117	957.00	111.97	
2203	Carriage of Coarse sand	cum	0.47	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.30	5156.00	1546.80	
2209	Carriage of Cement	tonne	0.30	0.00	0.00	
7318	Plasticizer / super plasticizer	kilo-gram	1.50	30.00	45.00	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including carriage for all leads and hire charges of pump, piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6739.57	W
	Add 1 % Water charges on "W"				67.40	
	TOTAL				6806.97	X
	Add GST on "X" (multiplying factor 0.2127)				1447.84	
	TOTAL				8254.81	Y
	Add 15% CPOH on "Y"				1238.22	
	TOTAL				9493.03	Z
	Add Cess @ 1% on "Z"				94.93	
	Cost per 1.00 cum				9587.96	
	Say				9587.95	

SUB HEAD : 5.0

REINFORCED CEMENT CONCRETE

5.1 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :

5.1.2 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of Cement	tonne	0.40	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				6358.45	W
	Add 1 % Water charges on “W”				63.58	
	TOTAL				6422.03	X
	Add GST on “X” (multiplying factor 0.2127)				1365.97	
	TOTAL				7788.00	Y
	Add 15% CPOH on “Y”				1168.20	
	TOTAL				8956.20	Z
	Add Cess @ 1% on “Z”				89.56	
	Cost of 1 cum.				9045.76	
	Say				9045.75	

5.1.2A 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size of Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL:					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.456	1425.00	649.80	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.224	1400.00	313.60	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59	
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0982	Coarse sand (zone III) derived from natural sources	cum	0.34	1450.00	493.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.085	957.00	81.35	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of cement	tonne	0.40	0.00	0.00	
	LABOUR:					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.07	900.00	63.00	
0012	Vibrator (Needle type 40 mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	Total				6238.39	W
	Add 1 % Water charges on “W”				62.38	
	TOTAL				6300.77	X
	Add GST on “X” (multiplying factor 0.2127)				1340.17	
	TOTAL				7640.94	Y
	Add 15% CPOH on “Y”				1146.14	
	TOTAL				8787.08	Z
	Add Cess @ 1% on “Z”				87.87	
	Cost of 1 cum				8874.95	
	Say				8874.95	

5.1.3 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.67	1425.00	954.75	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1400.00	308.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.445	1450.00	645.25	
2203	Carriage of Coarse sand	cum	0.445	0.00	0.00	
0367	Portland Cement (0.2225 cum)	tonne	0.32	5156.00	1649.92	
2209	Carriage of Cement	tonne	0.32	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	900.00	63.00	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	TOTAL				6033.47	W
	Add 1 % Water charges on “W”				60.33	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				6093.80	X
	Add GST on “X” (multiplying factor 0.2127)				1296.15	
	TOTAL				7389.95	Y
	Add 15% CPOH on “Y”				1108.49	
	TOTAL				8498.44	Z
	Add Cess @ 1% on “Z”				84.98	
	Cost of 1 cum.				8583.42	
	Say				8583.40	

5.1.3A 1:2:4 (1 cement : 2 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 4 graded stone aggregate 20 mm nominal size of Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL:					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.536	1425.00	763.80	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.134	957.00	128.24	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.176	1400.00	246.40	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.044	957.00	42.11	
2202	Carriage of Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.89	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.36	1450.00	516.20	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.089	957.00	85.17	
2203	Carriage of Coarse sand including manufactured sand	cum	0.445	0.00	0.00	
0367	Portland Cement (0.2833cum)	tonne	0.32	5156.00	1649.92	
2209	Carriage of cement	tonne	0.32	0.00	0.00	
	LABOUR:					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.07	900.00	63.00	
0012	Vibrator (Needle type 40 mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	Total				5907.39	W
	Add 1 % Water charges on “W”				59.07	
	TOTAL				5966.46	X
	Add GST on “X” (multiplying factor 0.2127)				1269.07	
	TOTAL				7235.53	Y
	Add 15% CPOH on “Y”				1085.33	
	TOTAL				8320.86	Z
	Add Cess @ 1% on “Z”				83.21	
	Cost of 1 cum				8404.07	
	Say				8404.05	

5.2 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :

5.2.2 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10x9.18 cum =91.80 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	52.326	1425.00	74564.55	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	25.704	1400.00	35985.60	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	78.030	0.00	0.00	
0982	Coarse sand (zone III)	cum	39.015	1450.00	56571.75	
2203	Carriage of Coarse sand	cum	39.015	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	36.720	5156.00	189328.32	
2209	Carriage of Cement	tonne	36.720	0.00	0.00	
	LABOUR					
0114	Beldar	day	112.900	736.00	83094.40	
0115	Coolie	day	75.300	736.00	55420.80	
0101	Bhisti	day	82.600	816.00	67401.60	
0123	Mason 1st class	day	9.200	897.00	8252.40	
0124	Mason 2nd class	day	9.200	816.00	7507.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	6.400	900.00	5760.00	
0012	Vibrator(Needle type 40mm)	day	6.400	400.00	2560.00	
9999	Sundries	L.S.	1318.200	2.27	2992.31	
9999	Scaffolding	L.S.	4200.300	2.27	9534.68	
	Extra labour for lifting of material upto floor V level:					
	0.75x2.0x91.80 = 137.7					
0115	Coolie	day	137.700	736.00	101347.20	
	TOTAL				700320.81	W
	Add 1 % Water charges on “W”				7003.21	
	TOTAL				707324.02	X
	Add GST on “X” (multiplying factor 0.2127)				150447.82	
	TOTAL				857771.84	Y
	Add 15% CPOH on “Y”				128665.78	
	TOTAL				986437.62	Z
	Add Cess @ 1% on “Z”				9864.38	
	Cost for 91.80 cum.				996302.00	
	Cost for 1 cum.				10852.96	
	Say				10852.95	

5.2.2A 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10x9.18 cum =91.80 cum					
	MATERIAL:					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	41.860	1425.00	59650.50	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	10.466	957.00	10015.96	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	20.563	1400.00	28788.20	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	5.141	957.00	4919.94	
2202	Carriage of Stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	78.030	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	31.212	1450.00	45257.40	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	7.803	957.00	7467.47	
2203	Carriage of Coarse sand including manufactured sand	cum	39.015	0.00	0.00	
0367	Portland Cement (0.2833cum)	tonne	36.720	5156.00	189328.32	
2209	Carriage of cement	tonne	36.720	0.00	0.00	
	LABOUR:					
0114	Beldar	day	112.900	736.00	83094.40	
0115	Coolie	day	75.300	736.00	55420.80	
0101	Bhisti	day	82.600	816.00	67401.60	
0123	Mason 1st class	day	9.200	897.00	8252.40	
0124	Mason (brick layer) 2 nd class	day	9.200	816.00	7507.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	6.400	900.00	5760.00	
0012	Vibrator (Needle type 40 mm)	day	6.400	400.00	2560.00	
9999	Sundries	L.S.	1318.200	2.27	2992.31	
9999	Scaffolding	L.S.	4200.300	2.27	9534.68	
	Extra labour for lifting of material upto floor V level: 0.75x2.0x91.8=137.7					
0115	Coolie	day	137.700	736.00	101347.20	
	Total				689298.38	W
	Add 1 % Water charges on “W”				6892.98	
	TOTAL				696191.36	X
	Add GST on “X” (multiplying factor 0.2127)				148079.90	
	TOTAL				844271.26	Y
	Add 15% CPOH on “Y”				126640.69	
	TOTAL				970911.95	Z
	Add Cess @ 1% on “Z”				9709.12	
	Cost of 91.80 cum				980621.07	
	Cost of 1 cum				10682.15	
	Say				10682.15	

5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of Cement	tonne	0.40	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	0.24	857.00	205.68	
0114	Beldar	day	2.75	736.00	2024.00	
0101	Bhisti	day	0.90	816.00	734.40	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.08	900.00	72.00	
0012	Vibrator(Needle type 40mm)	day	0.08	400.00	32.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	Extra labour for lifting material upto floor V level:					
	Coolie (2.0x0.75=1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	TOTAL				8087.44	W
	Add 1 % Water charges on “W”				80.87	
	TOTAL				8168.31	X
	Add GST on “X” (multiplying factor 0.2127)				1737.40	
	TOTAL				9905.71	Y
	Add 15% CPOH on “Y”				1485.86	
	TOTAL				11391.57	Z
	Add Cess @ 1% on “Z”				113.92	
	Cost for 1 cum.				11505.49	
	Say				11505.50	

5.3A Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases above plinth level up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20%: 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL:					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.456	1425.00	649.80	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.224	1400.00	313.60	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59	
2202	Carriage of stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.34	1450.00	493.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.085	957.00	81.35	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of cement	tonne	0.40	0.00	0.00	
	LABOUR:					
0155	Mason (average)	day	0.24	857.00	205.68	
0114	Beldar	day	2.75	736.00	2024.00	
0101	Bhisti	day	0.90	816.00	734.40	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.08	900.00	72.00	
0012	Vibrator (Needle type 40 mm)	day	0.08	400.00	32.00	
9999	Sundries	L.S.	14.30	2.27	32.46	
	Extra labour for lifting material upto floor V level:Coolie (2.0x0.75=1.50)					
0115	Coolie	day	1.50	736.00	1104.00	
	Total				7967.38	W
	Add 1 % Water charges on “W”				79.67	
	TOTAL				8047.05	X
	Add GST on “X” (multiplying factor 0.2127)				1711.61	
	TOTAL				9758.66	Y
	Add 15% CPOH on “Y”				1463.80	
	TOTAL				11222.46	Z
	Add Cess @ 1% on “Z”				112.22	
	Cost of 1 cum				11334.68	
	Say				11334.70	

5.4 Providing and laying reinforced cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
4.4.1	Cement concrete 1:1.5:3 (Rate as per item no 4.4.1 of SH:Concrete work)	cum	1.00	8340.85	8340.85	A
	LABOUR					
	Extra labour for laying CC in RCC work :					
0114	Beldar	day	0.10	736.00	73.60	
0101	Bhisti	day	0.20	816.00	163.20	
0123	Mason 1st class	day	0.04	897.00	35.88	
0124	Mason 2nd class	day	0.04	816.00	32.64	
0128	Mate	day	0.04	816.00	32.64	
	TOTAL				8678.81	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W-A”				3.38	
	TOTAL				8682.19	X
	Add GST on “X-A” (multiplying factor 0.2127)				72.60	
	TOTAL				8754.79	Y
	Add 15% CPOH on “Y-A”				62.09	
	TOTAL				8816.88	Z
	Add Cess @ 1% on “Z-A”				4.76	
	Cost of 1 cum.				8821.64	
	Say				8821.65	

5.4A Providing and laying reinforced cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL:					
	Cement concrete 1:1.5:3					
Sub AR-1	Rate as per Sub AR-1 (Ref item no 4.1.2)	cum	1.000	8170.05	8170.05	A
	LABOUR:					
	Extra labour for laying CC in RCC work					
0114	Beldar	day	0.10	736.00	73.60	
0101	Bhisti	day	0.20	816.00	163.20	
0123	Mason 1st class	day	0.04	897.00	35.88	
0124	Mason 2nd class	day	0.04	816.00	32.64	
0128	Mate	day	0.04	816.00	32.64	
	Total				8508.01	W
	Add 1 % Water charges on “W-A”				3.38	
	TOTAL				8511.39	X
	Add GST on “X-A” (multiplying factor 0.2127)				72.60	
	TOTAL				8583.99	Y
	Add 15% CPOH on “Y-A”				62.09	
	TOTAL				8646.08	Z
	Add Cess @ 1% on “Z-A”				4.76	
	Cost of 1 cum				8650.84	
	Say				8650.85	

Sub AR-1 (Ref item 4.1.2) 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL:					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.456	1425.00	649.80	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.224	1400.00	313.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59	
2202	Carriage of stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.850	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.340	1450.00	493.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.085	957.00	81.35	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833cum)	tonne	0.400	5156.00	2062.40	
2209	Carriage of cement	tonne	0.400	0.00	0.00	
	LABOUR:					
0155	Mason (average)	day	0.100	857.00	85.70	
0114	Beldar	day	1.630	736.00	1199.68	
0101	Bhisti	day	0.700	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.070	900.00	63.00	
0012	Vibrator (Needle type 40 mm)	day	0.070	400.00	28.00	
9999	Sundries	L.S.	14.300	2.27	32.46	
	Total				5742.88	W
	Add 1 % Water charges on “W”				57.43	
	TOTAL				5800.31	X
	Add GST on “X” (multiplying factor 0.2127)				1233.73	
	TOTAL				7034.04	Y
	Add 15% CPOH on “Y”				1055.11	
	TOTAL				8089.15	Z
	Add Cess @ 1% on “Z”				80.89	
	Cost of 1 cum				8170.04	
	Say				8170.05	

5.5 Reinforced cement concrete work in arches, archribs, domes, vaults, shells, folded plate and roofs having slope more than 15° up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 26.73cum for semicircular arch 6m clear span and 9m long and 30cm thick. Cement concrete 1:1.5:3 = 1x0.50x3.14x6.30x9.00x0.30 = 26.73cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	15.236	1425.00	21711.30	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	7.484	1400.00	10477.60	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	22.720	0.00	0.00	
0982	Coarse sand (zone III)	cum	11.36	1450.00	16472.00	
2203	Carriage of Coarse sand	cum	11.36	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	10.692	5156.00	55127.95	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2209	Carriage of Cement	tonne	10.692	0.00	0.00	
	LABOUR					
0155	Mason (average)	day	6.42	857.00	5501.94	
0114	Beldar	day	73.51	736.00	54103.36	
0101	Bhisti	day	24.06	816.00	19632.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	2.14	900.00	1926.00	
0012	Vibrator(Needle type 40mm)	day	2.14	400.00	856.00	
9999	Sundries	L.S.	401.89	2.27	912.29	
	Extra for laying CC over curved surfaces					
0123	Mason 1st class	day	5.00	897.00	4485.00	
0124	Mason 2nd class	day	5.00	816.00	4080.00	
0101	Bhisti	day	1.50	816.00	1224.00	
0115	Coolie	day	4.50	736.00	3312.00	
	(Extra labour for lifting material upto floor V level : Coolie = 0.75 x 2.0 x 26.73 = 40.10)					
0115	Coolie	day	40.10	736.00	29513.60	
	TOTAL				229336.00	W
	Add 1 % Water charges on “W”				2293.36	
	TOTAL				231629.36	X
	Add GST on “X” (multiplying factor 0.2127)				49267.56	
	TOTAL				280896.92	Y
	Add 15% CPOH on “Y”				42134.54	
	TOTAL				323031.46	Z
	Add Cess @ 1% on “Z”				3230.31	
	Cost for 26.73 cum.				326261.77	
	Cost for 1 cum.				12205.83	
	Say				12205.85	

5.5A Reinforced cement concrete work in arches, archribs, domes, vaults, shells, folded plate and roofs having slope more than 15° up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 26.73cum for semicircular arch 6m clear span and 9m long and 30cm thick. Cement concrete 1:1½:3 = 1x0.50x3.14x6.30x 9.00x0.30 = 26.73cum					
	MATERIAL:					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	12.189	1425.00	17369.33	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	3.047	957.00	2915.98	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	5.987	1400.00	8381.80	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	1.497	957.00	1432.63	
2202	Carriage of stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	22.720	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0982	Coarse sand (zone III) derived from natural sources	cum	9.088	1450.00	13177.60	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	2.272	957.00	2174.30	
2203	Carriage of Coarse sand including manufactured sand	cum	11.36	0.00	0.00	
0367	Portland Cement (0.2833 cum)	tonne	10.692	5156.00	55127.95	
2209	Carriage of cement	tonne	10.692	0.00	0.00	
	LABOUR:					
0155	Mason (average)	day	6.42	857.00	5501.94	
0114	Beldar	day	73.51	736.00	54103.36	
0101	Bhisti	day	24.06	816.00	19632.96	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	2.14	900.00	1926.00	
0012	Vibrator (Needle type 40 mm)	day	2.14	400.00	856.00	
9999	Sundries	L.S.	401.89	2.27	912.29	
	Extra for laying CC over curved surfaces					
0123	Mason 1st class	day	5.00	897.00	4485.00	
0124	Mason 2nd class	day	5.00	816.00	4080.00	
0101	Bhisti	day	1.50	816.00	1224.00	
0115	Coolie	day	4.50	736.00	3312.00	
	(Extra labour for lifting material upto floor V level : Coolie = 0.75 x 2.0 x 26.73 = 40.10)					
0115	Coolie	day	40.10	736.00	29513.60	
	Total				226126.74	W
	Add 1 % Water charges on “W”				2261.27	
	TOTAL				228388.01	X
	Add GST on “X” (multiplying factor 0.2127)				48578.13	
	TOTAL				276966.14	Y
	Add 15% CPOH on “Y”				41544.92	
	TOTAL				318511.06	Z
	Add Cess @ 1% on “Z”				3185.11	
	Cost of 26.73 cum				321696.17	
	Cost of 1 cum				12035.02	
	Say				12035.00	

5.6 Reinforced cement concrete work in chimneys, shafts, up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
	RCC 1:1½:3 in chimneys & shafts					
5.2.2	Rate as per Item No.5.2.2 of SH: Reinforced Cement Concrete Work	cum	1.00	10852.95	10852.95	A
	LABOUR					
	Extra labour involved for laying cc in chimneys,shafts					
0115	Coolie	day	0.26	736.00	191.36	
	TOTAL				11044.31	W
	Add 1 % Water charges on “W-A”				1.91	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				11046.22	X
	Add GST on "X-A" (multiplying factor 0.2127)				41.11	
	TOTAL				11087.33	Y
	Add 15% CPOH on "Y-A"				35.16	
	TOTAL				11122.49	Z
	Add Cess @ 1% on "Z-A"				2.70	
	Cost for 1 cum.				11125.19	
	Say				11125.20	

5.6A Reinforced cement concrete work in chimneys, shafts, up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL:					
	RCC 1:1.5:3 in chimneys & shafts					
5.2.2A	Rate as per Item Number 5.2.2A of SH: Reinforced cement concrete work	cum	1.00	10682.15	10682.15	A
	Extra labour involved for laying cc in chimneys,shafts					
0115	Coolie	day	0.26	736.00	191.36	
	Total				10873.51	W
	Add 1 % Water charges on "W-A"				1.91	
	TOTAL				10875.42	X
	Add GST on "X-A" (multiplying factor 0.2127)				41.11	
	TOTAL				10916.53	Y
	Add 15% CPOH on "Y-A"				35.16	
	TOTAL				10951.69	Z
	Add Cess @ 1% on "Z-A"				2.70	
	Cost of 1 cum				10954.39	
	Say				10954.40	

5.7 Reinforced cement concrete work in well-steining, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-lll) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
	RCC 1:1½:3 in well steining					
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	1.00	8340.85	8340.85	A
	LABOUR					
	Extra labour involved :					
0115	Coolie	day	0.08	736.00	58.88	
	TOTAL				8399.73	W
	Add 1 % Water charges on "W-A"				0.59	
	TOTAL				8400.32	X
	Add GST on "X-A" (multiplying factor 0.2127)				12.65	
	TOTAL				8412.97	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y-A"				10.82	
	TOTAL				8423.79	Z
	Add Cess @ 1% on "Z-A"				0.83	
	Cost for 1 cum.				8424.62	
	Say				8424.60	

5.7A Reinforced cement concrete work in well-steining excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL:					
	RCC 1:1.5:3 in well steining					
Sub AR 1	Rate as per Sub AR-1 (Ref item 4.1.2)	cum	1.00	8170.05	8170.05	A
	Extra labour involved					
0115	Coolie	day	0.08	736.00	58.88	
	Total				8228.93	W
	Add 1 % Water charges on "W-A"				0.59	
	TOTAL				8229.52	X
	Add GST on "X-A" (multiplying factor 0.2127)				12.65	
	TOTAL				8242.17	Y
	Add 15% CPOH on "Y-A"				10.82	
	TOTAL				8252.99	Z
	Add Cess @ 1% on "Z-A"				0.83	
	Cost of 1 cum				8253.82	
	Say				8253.80	

5.8 Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for10 sets of 4 RCC Vertical fins 4m high and 1m center with 2 horizontal fins, all projecting 60cm from face of wall and 5cm thick = 0.66 cum x 10 = 6.6 cum					
	Cement Concrete 1:1.5.3					
	10x4x4.00x0.60x0.05 = 4.8 cum.					
	10x2x3x1.00x0.60x0.05 = 1.8 cum.					
	Total = 6.6 cum.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	3.762	1425.00	5360.85	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1.848	1400.00	2587.20	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	5.610	0.00	0.00	
0982	Coarse sand (zone III)	cum	2.805	1450.00	4067.25	
2203	Carriage of Coarse sand	cum	2.805	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0367	Portland Cement (0.2833 cum)	tonne	2.640	5156.00	13611.84	
2209	Carriage of Cement	tonne	2.640	0.00	0.00	
	LABOUR					
0114	Beldar	day	7.900	736.00	5814.40	
0115	Coolie	day	5.600	736.00	4121.60	
0101	Bhisti	day	6.000	816.00	4896.00	
0123	Mason 1st class	day	0.600	897.00	538.20	
0124	Mason 2nd class	day	0.600	816.00	489.60	
9999	Scafolding	L.S.	301.600	2.27	684.63	
9999	Sundries	L.S.	94.900	2.27	215.42	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.500	900.00	450.00	
0012	Vibrator(Needle type 40mm)	day	0.500	400.00	200.00	
	Extra labour for lifting material upto floor V level:(Coolie 6.6x0.75x2.00=9.9)					
0115	Coolie	day	9.900	736.00	7286.40	
	Extra for restricted working in fins					
0123	Mason 1st class	day	0.500	897.00	448.50	
0124	Mason 2nd class	day	0.500	816.00	408.00	
0114	Beldar	day	1.000	736.00	736.00	
0101	Bhisti	day	1.500	816.00	1224.00	
	TOTAL				53139.89	W
	Add 1 % Water charges on “W”				531.40	
	TOTAL				53671.29	X
	Add GST on “X” (multiplying factor 0.2127)				11415.88	
	TOTAL				65087.17	Y
	Add 15% CPOH on “Y”				9763.08	
	TOTAL				74850.25	Z
	Add Cess @ 1% on “Z”				748.50	
	Cost for 6.6 cum.				75598.75	
	Cost for 1 cum.				11454.36	
	Say				11454.35	

5.8A Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards above plinth level up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10x0.66cum =6.6 cum Details of cost for 10 sets of 4 RCC Vertical fins 4m high and 1m center with 2 horizontal fins, all projecting 60cm from face of wall and 5cm thick = 10x0.66cum =6.6 cum. Cement Concrete 1 : 1 . 5 : 3 = 10 x 4x4.00x0.60x0.05 = 4.8 cum and 10x2x3x1.00x0.60x0.05 = 1.8 cum, Total = 6.6 cum. MATERIAL:					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	3.010	1425.00	4289.25	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.752	957.00	719.66	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	1.478	1400.00	2069.20	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.370	957.00	354.09	
2202	Carriage of stone aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	5.610	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	2.244	1450.00	3253.80	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.561	957.00	536.88	
2203	Carriage of Coarse sand including manufactured sand	cum	2.805	0.00	0.00	
0367	Portland Cement (0.2833cum)	tonne	2.640	5156.00	13611.84	
2209	Carriage of cement	tonne	2.640	0.00	0.00	
	LABOUR:					
0114	Beldar	day	7.900	736.00	5814.40	
0115	Coolie	day	5.600	736.00	4121.60	
0101	Bhisti	day	6.000	816.00	4896.00	
0123	Mason 1st class	day	0.600	897.00	538.20	
0124	Mason (brick layer) 2 nd class	day	0.600	816.00	489.60	
9999	Scaffolding	L.S.	301.600	2.27	684.63	
9999	Sundries	L.S.	94.900	2.27	215.42	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.500	900.00	450.00	
0012	Vibrator (Needle type 40 mm)	day	0.500	400.00	200.00	
	Extra labour for lifting material upto floor V level:(Coolie 6.6x0.75x2.00=9.9)					
0115	Coolie	day	9.900	736.00	7286.40	
	Extra for restricted working in fins					
0123	Mason 1st class	day	0.500	897.00	448.50	
0124	Mason (brick layer) 2 nd class	day	0.500	816.00	408.00	
0114	Beldar	day	1.000	736.00	736.00	
0101	Bhisti	day	1.500	816.00	1224.00	
	Total				52347.47	W
	Add 1 % Water charges on “W”				523.47	
	TOTAL				52870.94	X
	Add GST on “X” (multiplying factor 0.2127)				11245.65	
	TOTAL				64116.59	Y
	Add 15% CPOH on “Y”				9617.49	
	TOTAL				73734.08	Z
	Add Cess @ 1% on “Z”				737.34	
	Cost of 6.6 cum				74471.42	
	Cost of 1 cum				11283.55	
	Say				11283.55	

5.9 Centering and shuttering including strutting, propping etc. and removal of form for

5.9.1 Foundations, footings, bases of columns, etc. for mass concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for footing size 2.5mx2.5mx-1.00m Contact area = 10.00 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost					
7319	Wall form panel 1250x500 mm Qty taken for cost of using once = 16x0.85/40 = 0.34	each	0.34	900.00	306.00	
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = 4x0.85/40 = 0.085	each	0.085	257.00	21.85	
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = 8x0.85/40= 0.17	each	0.17	950.00	161.50	
7328	Double clip (bridge clip) Qty taken for cost of using once = 16x0.85/40 = 0.34	each	0.34	80.00	27.20	
7329	Single clip Qty taken for cost of using once = 8x0.85/40 = 0.17	each	0.17	64.00	10.88	
7330	M.S. tube 40 mm dia Qty taken for cost of using once = 10.00x0.85/40 = 0.213	metre	0.213	225.00	47.93	
9999	Assembly nuts & bolts Qty taken for cost using once = 1040x0.85/40 = 22.10	L.S.	22.10	2.27	50.17	
9977	Carriage	L.S.	78.00	2.27	177.06	
	LABOUR					
0116	Fitter (grade 1)	day	0.75	897.00	672.75	
0114	Beldar	day	1.50	736.00	1104.00	
9999	Shuttering oil	L.S.	52.00	2.27	118.04	
9999	Sundries	L.S.	26.00	2.27	59.02	
	TOTAL				2756.40	W
	Add 1 % Water charges on “W”				27.56	
	TOTAL				2783.96	X
	Add GST on “X” (multiplying factor 0.2127)				592.15	
	TOTAL				3376.11	Y
	Add 15% CPOH on “Y”				506.42	
	TOTAL				3882.53	Z
	Add Cess @ 1% on “Z”				38.83	
	Cost for 10.00 sqm.				3921.36	
	Cost per sqm.				392.14	
	Say				392.15	

5.9.2 Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details for 7.5m long and 1.00m high wall Area of contact= 2 x 7.5 x1.0 = 15.00 sqm. MATERIAL Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost					
7319	Wall form panel 1250x500 mm 2x3x2x2 = 24Nos. Qty taken for cost of using once =24x0.85/40 = 0.51	each	0.51	900.00	459.00	
7327	100 mm channel shoulder 2.5 m long 3x2 = 6 Qty taken for cost of using once =6x0.85/40 = 0.13	each	0.13	950.00	123.50	
7328	Double clip (bridge clip) 2x6x2 = 24 Qty taken for cost of using once =24x0.85/40 = 0.51	each	0.51	80.00	40.80	
7329	Single clip 2x3x2 = 12 Qty taken for cost of using once =12x0.85/40 = 0.255	each	0.255	64.00	16.32	
7330	M.S. tube 40 mm dia 2x2x8m = 32m Qty taken for cost of using once =32x0.85/40 = 0.68	metre	0.68	225.00	153.00	
9999	Nut & Bolts Qty taken for cost using once =1300x0.85/40 = 27.62	L.S.	27.62	2.27	62.70	
9977	Carriage	L.S.	78.00	2.27	177.06	
	LABOUR					
0116	Fitter (grade 1)	day	3.50	897.00	3139.50	
0114	Beldar	day	6.00	736.00	4416.00	
9999	Shuttering oil	L.S.	78.00	2.27	177.06	
9999	Sundries	L.S.	52.00	2.27	118.04	
	TOTAL				8882.98	W
	Add 1 % Water charges on “W”				88.83	
	TOTAL				8971.81	X
	Add GST on “X” (multiplying factor 0.2127)				1908.30	
	TOTAL				10880.11	Y
	Add 15% CPOH on “Y”				1632.02	
	TOTAL				12512.13	Z
	Add Cess @ 1% on “Z”				125.12	
	Cost for 15.00 sqm.				12637.25	
	Cost per sqm.				842.48	
	Say				842.50	

5.9.3 Suspended floors, roofs, landings, balconies and access platform

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 room					
	10x4.50x3 = 135 sqm, height 3.5 m					
	MATERIAL					
	Adding for maintenance @ 10% of cost					
	Taking salvage value after full use of material @ 25% of cost					
	1. Plates (size 0.75 x 0.60)					
	Angle 40x40x5mm					
	2x0.75 = 1.50 m					
	2x0.60 = 1.20 m					
	= 2.70 m @ 3.00 kg/m = 8.1 kg					
	sheet 1.6 mm thick					
	0.75x0.60 = 0.45 sqm					
	0.45 sqm @ 12.55kg/sqm = 5.65kg					
	Weight of one plate = 13.75kg					
	Add for wastage @ 5% = 0.69 kg					
	Total weight for one plate = 14.44kg					
	Total weight of all plates =10x 5x6x14.44 = 4332 kg.					
	Qty taken for cost using once = 4332x0.85/40 = 92.055 kg					
10.1	Rate as per item no.10.1 S.H. steel work	kg	92.055	117.35	10802.65	A
7342	Adjustable span ESO+SI (2.35-3.40)	each	1.063	1540.00	1637.02	
	Qty taken for cost using once = 10x5x0.85/40 = 1.063					
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1.275	1051.00	1340.03	
	Qty taken for cost using once = 10x6x0.85/40 = 1.275					
9999	4. Assembly nut & bolts etc.	L.S.	221.000	2.27	501.67	
	Qty taken for cost using once = 10x1040x0.85/40 = 221					
9977	Carriage	L.S.	1300.000	2.27	2951.00	
	LABOUR					
0116	Fitter (grade 1)	day	30.000	897.00	26910.00	
0114	Beldar	day	60.000	736.00	44160.00	
9999	Shuttering oil	L.S.	780.000	2.27	1770.60	
9999	Sundries, paper tap etc.	L.S.	497.000	2.27	1128.19	
	TOTAL				91201.16	W
	Add 1 % Water charges on “W-A”				803.99	
	TOTAL				92005.15	X
	Add GST on “X-A” (multiplying factor 0.2127)				17271.77	
	TOTAL				109276.92	Y
	Add 15% CPOH on “Y-A”				14771.14	
	TOTAL				124048.06	Z
	Add Cess @ 1% on “Z-A”				1132.45	
	Cost for 135 sqm.				125180.51	
	Cost per sqm.				927.26	
	Say				927.25	

5.9.4 Shelves (Cast in situ)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 room of size 4.50x3m =10x4.5x3.0 = 135 sqm, height 3.5 m					
	MATERIAL					
	Adding for maintenance @ 10% of cost					
	Taking salvage value after full use of material @ 25% of cost					
	1. Plates (size 0.75 x 0.60)					
	Angle 40x40x5mm					
	2x0.75 = 1.50 m					
	2x0.60 = 1.20 m					
	= 2.70 m @ 3.00 kg/m = 8.1 kg					
	sheet 1.6 mm thick					
	0.75x0.60 = 0.45 sqm					
	0.45 sqm @ 12.55kg/sqm = 5.65kg					
	Weight of one plate = 13.75kg					
	Add for wastage @ 5% = 0.69 kg					
	Total weight for one plate = 14.44kg					
	Total weight of all plates =10x 5x6x14.44 = 4332 kg.					
	Qty taken for cost using once = 4332x0.85/40 = 92.055 kg					
10.1	Rate as per item no.10.1 S.H. steel work	kg	92.055	117.35	10802.65	A
7342	Adjustable span ESO+SI (2.35-3.40)	each	1.063	1540.00	1637.02	
	Qty taken for cost using once = 10x5x0.85/40 = 1.063					
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1.275	1051.00	1340.03	
	Qty taken for cost using once = 10x6x0.85/40 = 1.275					
9999	4. Assembly nut & bolts etc.	L.S.	221.000	2.27	501.67	
	Qty taken for cost using once = 10x1040x0.85/40 = 221					
9977	Carriage	L.S.	1300.000	2.27	2951.00	
	LABOUR					
0116	Fitter (grade 1)	day	30.000	897.00	26910.00	
0114	Beldar	day	60.000	736.00	44160.00	
9999	Shuttering oil	L.S.	780.000	2.27	1770.60	
9999	Sundries, paper tap etc.	L.S.	497.000	2.27	1128.19	
	TOTAL				91201.16	W
	Add 1 % Water charges on “W-A”				803.99	
	TOTAL				92005.15	X
	Add GST on “X-A” (multiplying factor 0.2127)				17271.77	
	TOTAL				109276.92	Y
	Add 15% CPOH on “Y-A”				14771.14	
	TOTAL				124048.06	Z
	Add Cess @ 1% on “Z-A”				1132.45	
	Cost for 135 sqm.				125180.51	
	Cost per sqm.				927.26	
	Say				927.25	

5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Consider 10 beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor					
	Cubical contents					
	10x6.60x0.5x0.3 = 9.9 cum					
	10x1x1.30x6.00 = 78 sqm					
	MATERIAL					
	Assuming shuttering will become unservice-able after use of 40 times					
	Add maintenance charges @ 10% of cost of material					
	Less salvage value of material after full use @ 25% of cost of material					
	1. Steel plates for side and bottom					
	(plate size 1.20 x 0.50m)					
	Angle 40x40x5mm					
	2x1.20 = 2.40 m					
	3x0.50 = 1.50 m					
	3.90 m @ 3.00 kg/m = 11.70 kg					
	sheet 1.6 mm thick					
	1.20m x 0.50 m = 0.60 sqm.					
	0.60 sqm @ 12.55 kg/sqm. = 7.53 kg.					
	Weight of one plate = 19.23 kg.					
	Add for wastage @ 5% = 0.96 kg.					
	Total = 20.19 kg.					
	Total weight of all plates=					
	10x3x5x20.19 = 3028.5 kg					
	Qty taken for cost of using once = 13028.5x0.85/40 = 64.356 kg.					
10.1	Rate as per item no.10.1 S.H. steel work	kg	64.356	117.35	7552.18	A
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1.275	1051.00	1340.03	
	Qty taken for cost of using once =10x6x0.85/40 = 1.275 m					
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	1.063	375.00	398.63	
	Qty taken for cost of using once = 10x5x0.85/40 = 1.063 m					
9999	(iv) Assembly nut & bolts etc.	L.S.	221.000	2.27	501.67	
	Qty taken for cost of using once = 10x1040x0.85/40 = 221					
9977	Carriage	L.S.	780.000	2.27	1770.60	
	LABOUR					
0116	Fitter (grade 1)	day	12.500	897.00	11212.50	
0114	Beldar	day	25.000	736.00	18400.00	
9999	Shuttering oil	L.S.	390.000	2.27	885.30	
9999	Sundries, paper tape etc.	L.S.	246.100	2.27	558.65	
	TOTAL				42619.56	W
	Add 1 % Water charges on “W-A”				350.67	
	TOTAL				42970.23	X
	Add GST on “X-A” (multiplying factor 0.2127)				7533.42	
	TOTAL				50503.65	Y
	Add 15% CPOH on “Y-A”				6442.72	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				56946.37	Z
	Add Cess @ 1% on “Z-A”				493.94	
	Cost for 78 sqm.				57440.31	
	Cost per sqm.				736.41	
	Say				736.40	

5.9.6 Columns, Pillars, Piers, Abutments, Posts and Struts

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 45 sqm					
	Size of column 450x450mm and 2.5m high					
	Area of contact = 10x4x0.45x2.5 = 45 sqm.					
	MATERIAL					
	Assuming shuttering will become unservice-able after use of 40 times					
	Add maintenance charges @ 10% of cost of material					
	Less salvage value of material after full use @ 25% of cost of material					
7331	Wall form panel 1250x450 mm	each	1.700	900.00	1530.00	
	Qty taken for cost of using once =10x 8x0.85/40 = 1.70					
7332	Corner angle 45x45x5 m 2.50 m long	each	0.850	275.00	233.75	
	Qty taken for cost of using once = 10x4x0.85/40 = 0.85					
7333	Column clamp 450x1070 m	each	1.063	1020.00	1084.26	
	Qty taken for cost of using once = 10x5x0.85/40 = 1.063					
7334	Prop 2 m (2-3.5m)	each	0.850	690.00	586.50	
	Qty taken for cost of using once = 10x4x0.85/40 = 0.85					
9999	Assembly nut & bolt	L.S.	276.200	2.27	626.97	
	Qty taken for cost of using once = 10x1300x0.85/40 = 276.2					
9977	Carriage	L.S.	520.000	2.27	1180.40	
	LABOUR					
0116	Fitter (grade 1)	day	10.000	897.00	8970.00	
0114	Beldar	day	20.000	736.00	14720.00	
9999	Shuttering oil	L.S.	390.000	2.27	885.30	
9977	Carriage	L.S.	260.000	2.27	590.20	
	TOTAL				30407.38	W
	Add 1 % Water charges on “W”				304.07	
	TOTAL				30711.45	X
	Add GST on “X” (multiplying factor 0.2127)				6532.33	
	TOTAL				37243.78	Y
	Add 15% CPOH on “Y”				5586.57	
	TOTAL				42830.35	Z
	Add Cess @ 1% on “Z”				428.30	
	Cost for 45 sqm.				43258.65	
	Cost per sqm.				961.30	
	Say				961.30	

5.9.7 Stairs, (excluding landings) except spiral-staircases

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 57.9 sqm. Details of 10 Nos. staircase, 3.40m clear span including 1m landing. MATERIAL (i) Cost of plank 38mm (2nd class kail wood) Waist= 10x2.69x1.30 = 35.0sqm. Side shuttering of steps and side of waist- Steps 10x8x1.30x0.15 = 15.6 sqm. Face of landing 10x1x1.30x0.15 = 2.0 sqm. Side of waist 10x2.69x0.13 = 3.5 sqm. Side of steps- 10x8x0.50x0.30x0.15 = 1.80sqm. Total = 57.9 sqm. Wastage 5% = 2.9sqm. Total = 60.8 sq. Cubical content- 60.8x0.038 = 2.31 cum = 2310 dm^3 Qty taken for cost using once = 2310/8= 288.75 cudm					
1198	Second class kail wood in planks (ii) Batten 100mm x 75mm 10x4x1.30x0.100x0.075=0.39 cum = 390 dm^3 Qty taken for cost using once = 390/8 = 48.75 cudm	10 cudm	28.875	260.00	7507.50	
1197	Second class kail wood in scantling 10x2x4x0.80 = 64.0m Qty taken for cost using once = 64.0/8 = 8.0 m	10 cudm	4.875	260.00	1267.50	
0302	Safeda ballies 125 mm diameter Planks = 2.31 cum. Battens = 0.39 cum. Ballies 64x3.142/4x$(0.125)^2$ = 0.79cum. Total = 3.49 cum. Qty taken for cost using once = 3.49/8 = 0.436 cum	metre	8.000	44.00	352.00	
2204	Carriage of Timber LABOUR For assembling, erection, dismantling and cleaning	cum	0.436	0.00	0.00	
0112	Carpenter 2nd class	day	17.500	816.00	14280.00	
0114	Beldar	day	10.000	736.00	7360.00	
9999	Sundries	L.S.	161.200	2.27	365.92	
	TOTAL				31132.92	W
	Add 1 % Water charges on “W”				311.33	
	TOTAL				31444.25	X
	Add GST on “X” (multiplying factor 0.2127)				6688.19	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				38132.44	Y
	Add 15% CPOH on "Y"				5719.87	
	TOTAL				43852.31	Z
	Add Cess @ 1% on "Z"				438.52	
	Cost of 57.9 sqm.				44290.83	
	Cost per sqm.				764.95	
	Say				764.95	

5.9.8 Spiral staircases (including landing)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 6.28 sqm (For 10 steps)					
	Treads					
	10x0.70x0.20(av.) = 1.40 sqm					
5.9.5	Rate as per Item Number 5.9.5 of SH: RCC	sqm	1.40	736.40	1030.96	A
	Riser					
	2x10x0.70x0.23 = 3.22 sqm					
5.9.2	Rate as per item no 5.9.2 of SH : RCC	sqm	3.22	842.50	2712.85	A
	Newal Post (Column)					
	10x0.23x3.14x0.23 = 1.66 sqm					
5.9.7	Rate as per item no 5.9.7 of SH: RCC	sqm	1.66	764.95	1269.82	A
	Cost of 6.28 sqm				5013.63	
	Cost of 1 sqm				798.35	
	Say				798.35	

5.9.9 Arches, domes, vaults up to 6 m span

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 semicircular arch 3.6m clear span and 3.6m long.					
	Area of centering = 10x(22/7) x1.8x3.6=203.7sqm.					
	MATERIAL					
	Frame work in 2nd class kail wood for one					
	Tie-1x3.6x0.15x0.20 = 0.108cum.					
	Struts-3x1.8x0.10x0.10 =0.054cum					
	Struts-2x2.55x0.10x0.10=0.051cum.					
	Ribs-4x1.38x.075x0.075=0.031cum.					
	Total = 0.244 cum.					
	Quantity for 10x7 such frames					
	10x7x0.244 = 17.08cum.					
	Strips 5cmx2.5cm					
	centre to centre					
	10x(5.66/0.075)x0.05x0.025x3.6 = 3.40cum.					
	Total= 20.48 cum = 20480 cudm					
	Qty taken for cost using once = 20480/8 = 2560 cudm					
1197	Second class kail wood in scantling	10 cudm	256.000	260.00	66560.00	
	Safeda ballies 125 mm dia					
	10x7x4x3.6= 1008m					
	Qty taken for cost using once = 1008/8 = 126m					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0302	Safeda ballies 125 mm diameter G.I. Plain sheet 203.7 sqm = 1160kg. Or 11.6 quintal Qty taken for cost using once =11.6/8 = 1.45 qtl	metre	126.000	44.00	5544.00	
0992	Galvanised steel plain sheets Carriage- Kail wood = 20.48cum. Ballies - 1008x3.142x$(0.125)^2$/4= 12.37cum. Total = 32.85 cum. Qty taken for cost using once = 32.85/8 = 4.106 cum	quintal	1.450	6800.00	9860.00	
2204	Carriage of Timber G.I. Sheet = 1.16 t Qty taken for cost using once = 1.16/8 = 0.145 t	cum	4.106	0.00	0.00	
2302	Carriage of G.I.sheet and accessories	tonne	0.145	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	160.000	816.00	130560.00	
0114	Beldar	day	130.000	736.00	95680.00	
9999	Sundries	L.S.	117.000	2.27	265.59	
	TOTAL				308469.59	W
	Add 1 % Water charges on “W”				3084.70	
	TOTAL				311554.29	X
	Add GST on “X” (multiplying factor 0.2127)				66267.60	
	TOTAL				377821.89	Y
	Add 15% CPOH on “Y”				56673.28	
	TOTAL				434495.17	Z
	Add Cess @ 1% on “Z”				4344.95	
	Cost of 203.7sqm.				438840.12	
	Cost per sqm.				2154.35	
	Say				2154.35	

5.9.10 Extra for arches, domes, vaults exceeding 6 m span

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 333.1 sqm Centering and shuttering for 10 Nos. arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m 2R-2 = 8 tan $^{-1}$ (4/3)=53.28° 2x53.28° = 106° Surface area =10x2x(22/7)x5x3.6x106/360 =333.10 sqm Arc=9.25m MATERIAL Tie-2x8x0.18x0.05 =0.144cum Struts-2x2.5x0.1x0.1 =0.050cum. Struts-2x1.77x0.1x0.1=0.035cum. Ribs-6x1.54x0.23x0.1=0.213cum. Struts-2x1.72x0.1x0.1=0.034cum.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total=0.476cum. For 10x4 such frames =0.476x4x10 = 19.04 cum laggings-10x75x3.6x0.125x0.075=25.31cum Tie-10x2x3.6x0.225x0.038=0.62cum Brace-10x3x2x2.14x0.225x0.038=1.10 cum Brace-10x3x4x3.8x0.225x0.038=3.90 cum Sleepers-10x4x3.6x0.20x0.15=4.32 cum Sleepers-10x2x4x3.6x0.175x0.075=3.78 cum Vertical post-10x4x4x3.6x0.15x0.15=12.96 cum Total =71.03cum. or 71030 cudm Qty taken 1/8th of qty for cost using once =71030/8 = 8879 Cudm					
1197	Second class kail wood in scantling	10 cudm	887.900	260.00	230854.00	
2204	Carriage of Timber	cum	8.879	0.00	0.00	
	Fittings: 3 way straps 50mmx10mm = 32x10 Nos. =320 Nos. 320 no. @0.50cm each = 160m Straps-50mmx10mm = 8x10 Nos. @ 0.25cm each = 20m Total = 180m 180m, wt @ 3.9kg/m = 702 kg. = 7.02q Qty taken l/8th of qty for cost using once = 7.02/8 = 0.878					
1225	Mild steel flat strap fitting	quintal	0.878	4120.00	3617.36	
	Bolts 160x10 Nos. 254 mm long 16mm dia.-1600x.254x 1.58=642.1 kg=6.42q. Qty taken l/8th of qty for cost using once =6.42/8 = 0.802					
1034	Bolts and nuts upto 300 mm in length	quintal	0.802	5200.00	4170.40	
2302	Carriage of G.I.sheet and accessories Qty taken 1/8th of qty for cost using once = 0.878+0.802=0.168 tonne	tonne	0.168	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	280.000	816.00	228480.00	
0114	Beldar	day	240.000	736.00	176640.00	
9999	Sundries	L.S.	1345.500	2.27	3054.29	
	Less Cost of shuttering etc. for an arch upto 6 m span					
5.9.9	Rate as per item no 5.9.9 of SH : RCC	sqm	-333.100	2154.35	-717613.99	A
	TOTAL				-70797.94	W
	Add 1 % Water charges on “W-A”				6468.16	
	TOTAL				-64329.78	X
	Add GST on “X-A” (multiplying factor 0.2127)				138953.55	
	TOTAL				74623.77	Y
	Add 15% CPOH on “Y-A”				118835.66	
	TOTAL				193459.43	Z
	Add Cess @ 1% on “Z-A”				9110.73	
	Cost of 333.1sqm.				202570.16	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost per sqm of soffit area				608.14	
	Say				608.15	

5.9.11 Chimneys and shafts

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details for 7.9m long and 1.00m high wall					
	Area of contact 2x7.9x1.0 = 15.8 sqm.					
	MATERIAL					
	Adding for maintenance @ 10% of cost					
	Taking salvage value after full use of material @ 25% of cost					
7319	Wall form panel 1250x500 mm	each	0.51	900.00	459.00	
	2x3x2x2 = 24 Nos. Qty taken for cost of using once = 24x0.85/40 = 0.51					
7327	100 mm channel shoulder 2.5 m long	each	0.17	950.00	161.50	
	4x2 = 8					
	Qty taken for cost of using once = 8x0.85/40 = 0.17					
7328	Double clip (bridge clip)	each	0.51	80.00	40.80	
	2x6x2 = 24					
	Qty taken for cost of using once = 24x0.85/40 = 0.51					
7329	Single clip	each	0.255	64.00	16.32	
	2x3x2 = 12					
	Qty taken for cost of using once = 12x0.85/40 = 0.255					
7330	M.S. tube 40 mm dia	metre	0.68	225.00	153.00	
	2x2x8m = 32m					
	Qty taken for cost of using once = 32x0.85/40 = 0.68					
9999	Nut & Bolts	L.S.	27.63	2.27	62.72	
	Qty taken for cost of using once = 1300x0.85/40 = 27.63					
9977	Carriage	L.S.	78.00	2.27	177.06	
	LABOUR					
0116	Fitter (grade 1)	day	3.50	897.00	3139.50	
0114	Beldar	day	6.00	736.00	4416.00	
9999	Shuttering oil	L.S.	78.00	2.27	177.06	
9999	Sundries	L.S.	52.00	2.27	118.04	
	TOTAL				8921.00	W
	Add 1 % Water charges on “W”				89.21	
	TOTAL				9010.21	X
	Add GST on “X” (multiplying factor 0.2127)				1916.47	
	TOTAL				10926.68	Y
	Add 15% CPOH on “Y”				1639.00	
	TOTAL				12565.68	Z
	Add Cess @ 1% on “Z”				125.66	
	Cost for 15.8 sqm.				12691.34	
	Cost per sqm.				803.25	
	Say				803.25	

5.9.12 Well steining

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost 26.39 sqm.					
	Surface area					
	Outside area = 26.39 sqm					
	MATERIAL					
	Assuming that the timber will become unserviceable after being used 8 times					
	Planks 38 mm (Second class kail wood)					
	26.39x0.038 = 1.00cum.					
	Wastage 20% = 0.20cum.					
	Total = 1.20cum. or 1200 cudm.					
	Qty for cost using once = 1200/8=150 cudm					
1198	Second class kail wood in planks	10 cudm	15.000	260.00	3900.00	
	2nd class kail wood battens					
	Inside = 2x25x0.50x0.075x0.038 = 0.0712cum.					
	Outside = 2x28x0.50x0.075x0.038 = 0.0798cum.					
	Total = 0.1510cum.					
	Wastage 5% = 0.0076 cum.					
	Total = 0.1586 cum = 158.60 cudm					
	Qty for cost using once = 0.1586/8= 0.02 cudm					
1197	Second class kail wood in scantling	10 cudm	0.002	260.00	0.52	
0302	Safeda ballies 125 mm diameter	metre	6.625	44.00	291.50	
	Inside: 25x1.00 = 25.00m					
	Outside: 28x1.00 = 28.00m					
	Total = 53.00m					
	Qty for cost using once = 53/8 =6.625 m					
	TOTAL				4192.02	M
	Add for carriage, labour for erection and dismentalig etc @ 1/6 of cost of material i.e.M				698.68	
	TOTAL				4890.70	W
	Add 1 % Water charges on “W”				48.91	
	TOTAL				4939.61	X
	Add GST on “X” (multiplying factor 0.2127)				1050.66	
	TOTAL				5990.27	Y
	Add 15% CPOH on “Y”				898.54	
	TOTAL				6888.81	Z
	Add Cess @ 1% on “Z”				68.89	
	Cost for 26.39sqm.				6957.70	
	Cost per sqm.				263.65	
	Say				263.65	

5.9.13 Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 239 sqm Details of cost for 10Nos. Boxes of fins 4 vertical fins 4 metre high and at 1 metre centres, with two horizontal fins all projecting 60cm from face of wall and 5 cm thick. i.e. 10x[(4x4.00x1.25) + (2x3.00x0.65)] = 239sqm + 5% wastage = 251 sqm. MATERIAL					
1198	Second class kail wood in planks 38mm thick- 10x4x4x1.25=200 10x2x3x0.65 =39 Total = 239 Wastage @ 5% = 12 Total = 251sqm. 251x0.038=9.54 cum or 9540 cudm Qty for cost using once = 9540/8 = 1192.5 cudm	10 cudm	119.250	260.00	31005.00	
1197	Second class kail wood in scantling 10x4x2x5x0.60x0.075x0.050=0.90 10x3x2x5x1.00x0.075x0.050=1.12 10x2x6x0.60x0.075x0.100=0.54 = 2.56 Cum. Wastage @ 5% =0.13 cum Total = 2.69 cum= 2690 cudm Qty for cost using once = 2690/8 = 336.25 cudm	10 cudm	33.625	260.00	8742.50	
0302	Safeda ballies 125 mm diameter 10x2x2x6x4.00 =960m Wastage @5% = 48m Total= 1008 m Qty for cost using once = 1008/8 = 126 m	metre	126.000	44.00	5544.00	
2204	Carriage of Timber Planks = 9.54 Battens = 2.69 Bailies 1008x3.142x$(0.125)^2$/4= 12.37cum. Total = 24.60 cum Qty for cost using once = 24.60/8 = 3.075 cum	cum	3.075	0.00	0.00	
	LABOUR For assembling, erection, dismantling and cleaning					
0112	Carpenter 2nd class	day	110.000	816.00	89760.00	
0114	Beldar	day	110.000	736.00	80960.00	
9999	Sundries	L.S.	807.300	2.27	1832.57	
	TOTAL				217844.07	W
	Add 1 % Water charges on “W”				2178.44	
	TOTAL				220022.51	X
	Add GST on “X” (multiplying factor 0.2127)				46798.79	
	TOTAL				266821.30	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				40023.20	
	TOTAL				306844.50	Z
	Add Cess @ 1% on "Z"				3068.45	
	Cost for 239 sqm.				309912.95	
	Cost per sqm.				1296.71	
	Say				1296.70	

5.9.15 Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for lintel size 1.80m x 0.20m x 0.15m (Clear span 1.50 m) Area 0.84 sqm					
	Sides = 2 x 1.80 x 0.15 = 0.54					
	Bottom = 1 x 1.50 x 0.20 = 0.30					
	Total Contact Area = 0.84 sqm					
5.9.1	Rate as per Item No. 5.9.1 of SH:Reinforced Concrete work	sqm	0.84	392.15	329.41	A
	Cost for 0.84 sqm.				329.41	
	Cost per sqm.				392.15	

5.9.16 Edges of slabs and breaks in floors and walls

5.9.16.1 Under 20 cm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10Nos of 3mx3m slab 15cms thick					
	120 m edge Length					
	MATERIAL					
	Assuming that the timber will become unserviceable after being used 8 times.					
1198	Second class kail wood in planks	10 cudm	7.125	260.00	1852.50	
	(i) Planks 30mm thick (2nd class Kail wood or equivalent local soft wood)					
	10x4x3x0.15x0.030=0.54 cum					
	Wastage @5% = 0.03 cum.					
	Total = 0.57 cum 570 cudm					
	Qty taken for cost of using once = 570/8 =71.25 cudm					
1197	Second class kail wood in scantling	10 cudm	19.375	260.00	5037.50	
	(ii) Battens 75mmx100mm (2nd class Kail wood)					
	Horizontal 10x2x4x0.075x0.1x0.5=0.30					
	Horizontal 10x2x4x0.075x0.1x1.5=0.90					
	(iii) Vertical battens					
	10x16x0.15x0.075x0.030m = 0.054					
	(iv) Struts					
	10x16x0.25x0.075x0.075=0.225					
	Total = 1.479					
	Wastage @5% = 0.074					
	Total = 1.553 cum = 1550 cudm say					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Qty taken for cost ef using once = 1550/8 =193.75 cudm					
2204	Carriage of Timber Planks = 0.57 cum. Battens = 1.55 cum. Total = 2.12 cum. Qty taken for cost of using once = 2.12/8 = 0.265 cum	cum	0.265	0.00	0.00	
	LABOUR For assembling erection dismantling & cleaning.					
0112	Carpenter 2nd class	day	8.100	816.00	6609.60	
0114	Beldar	day	5.400	736.00	3974.40	
9999	Sundries	L.S.	52.000	2.27	118.04	
	TOTAL				17592.04	W
	Add 1 % Water charges on “W”				175.92	
	TOTAL				17767.96	X
	Add GST on “X” (multiplying factor 0.2127)				3779.25	
	TOTAL				21547.21	Y
	Add 15% CPOH on “Y”				3232.08	
	TOTAL				24779.29	Z
	Add Cess @ 1% on “Z”				247.79	
	Cost of 120 metre				25027.08	
	Cost of one metre				208.56	
	Say				208.55	

5.9.16.2 Above 20 cm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10Nos of size 4mx4m slab 25cm thick 16 metre edge length Shuttering surface area = 10x16 x 0.25 = 40 sqm MATERIAL					
1198	Second class kail wood in planks (i) Planks 38mm thick 10x4x4x0.25x0.038 = 1.52 Wastage @ 5% = 0.08 Total = 1.60 cum. = 1600 cudm Qty taken for cost of using once = 1600/8 = 200 cudm	10 cudm	20.000	260.00	5200.00	
1197	Second class kail wood in scantling (ii) Battens 10x6x2x0.6x0.075x0.100=0.54 10x5x2x1.5x0.075x0.100=1.13 Total = 1.67 Wastage @ 5% = 0.08 Total= 1.75 cum. = 1750 cudm Qty taken for cost of using once = 1750/8 = 218.8 cudm	10 cudm	21.880	260.00	5688.80	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2204	Carriage of Timber Planks = 1.6 cum. Battens = 1.75 cum. Total = 3.35 cum. Qty taken for cost of using once = 3.35/8 = 0.419 cum LABOUR For assembling erection dismantling & cleaning.	cum	0.419	0.00	0.00	
0112	Carpenter 2nd class	day	10.000	816.00	8160.00	
0114	Beldar	day	7.500	736.00	5520.00	
9999	Sundries	L.S.	65.000	2.27	147.55	
	TOTAL				24716.35	W
	Add 1 % Water charges on “W”				247.16	
	TOTAL				24963.51	X
	Add GST on “X” (multiplying factor 0.2127)				5309.74	
	TOTAL				30273.25	Y
	Add 15% CPOH on “Y”				4540.99	
	TOTAL				34814.24	Z
	Add Cess @ 1% on “Z”				348.14	
	Cost of 40 sqm.				35162.38	
	Cost of 1 sqm.				879.06	
	Say				879.05	

5.9.17 Cornices and mouldings

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10m long moulding 10cm projection, 20cm depth and 40cm girth Area in contact 10x0.4 = 4.0 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times.					
1198	Second class kail wood in planks (I) Planking 30mm thick = 4sqm. Extra & Wastage 20% = 0.8 sqm. Total = 4.8 sqm. 4.8x0.038 = 0.182 cum = 182 cudm Qty taken for cost using once = 182/8 = 22.75 cudm	10 cudm	2.275	260.00	591.50	
1197	Second class kail wood in scantling (ii) Battens-Joining to Planking 1x10x0.1x0.075 = 0.075 cum. From bottom shuttering 10x1.5x0.1x0.075 = 0.113 cum. Wales 10x0.4mx0.1x0.075 = 0.030 cum. Total = 0.218 cum = 218 cudm Qty taken for cost using once = 218/8 = 27.25 cudm	10 cudm	2.725	260.00	708.50	
2447	Hollock ballies 125 mm diameter (iii) Ballies 125 mm dia.	metre	3.15	37.00	116.55	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Slant 10x0.3 = 3 m ver. 6x3.5 = 21.0 m Total= 24.0 m Wastage @ 5% = 1.2 m Total= 25.2 m Qty taken for cost using once = 25.2/8 = 3.15m					
2204	Carriage of Timber Planking = 0.182 cum. Battens & Wales = 0.218 cum. Ballies $25.2x3.142x(0.125)^2/4$ = 0.31 cum. Total = 0.710 cum. Qty taken for cost using once = 0.71/8= 0.089 cum	cum	0.089	0.00	0.00	
	LABOUR Labour for assembling, erection, dismantling & cleaning					
0112	Carpenter 2nd class	day	0.63	816.00	514.08	
0114	Beldar	day	0.63	736.00	463.68	
9999	Sundries	L.S.	6.50	2.27	14.76	
	TOTAL				2409.07	W
	Add 1 % Water charges on “W”				24.09	
	TOTAL				2433.16	X
	Add GST on “X” (multiplying factor 0.2127)				517.53	
	TOTAL				2950.69	Y
	Add 15% CPOH on “Y”				442.60	
	TOTAL				3393.29	Z
	Add Cess @ 1% on “Z”				33.93	
	Cost of 4 sqm.				3427.22	
	Cost of 1 sqm.				856.81	
	Say				856.80	

5.9.18 Small surfaces such as cantilever ends, brackets and ends of steps, caps and bases to pilasters and columns and the like

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 bracket 1.20m projected Front area 0.50x0.60m End area 0.50x0.75m Area in contact with concrete 10x2x{(0.60+0.75)/2}x1.2 = 16.2 sqm. Front 10x0.5x0.6 = 3 sqm. Bottom 10x0.5x1.21 = 6.05 sqm. Total = 25.25 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times.					
1198	Second class kail wood in planks	10 cudm	13.375	260.00	3477.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Timber IInd class kail wood or equivalent local soft wood (I) Plank 30mm thick. Sides 10x2{(0.60+0.75)/2}x1.238 = 16.71sqm Battens 10x0.576x1.21 = 6.97 Front 10x0.5x0.638 = 3.19 Total = 26.87 sqm. Cubical contents 26.87x0.038 = 1.02 cum. Wastage @ 5% = 0.05 cum. Total = 1.07 cum. Qty taken for cost using once = 1070/8 = 133.75 cudm					
1197	Second class kail wood in scantling	10 cudm	3.150	260.00	819.00	
	(ii) Battens-0.05x0.05m 10x2x1.238 = 24.76m 10x2x1.21 = 24.2m 10x2x0.688 = 13.76m 10x2x0.838 = 16.76m 10x3x0.5 = 15m Total = 94.48m Cubical contents 94.48x0.05x0.05 = 0.24 cum. Wastage 5% = 0.012 cum. Total = 0.252 cum = 252 cudm Qty taken for cost using once = 252/8 = 31.5 cudm					
2447	Hollock ballies 125 mm diameter	metre	6.763	37.00	250.23	
	(iii) Ballies 125mm dia. 10x1x2.5 = 25m 10x1x2.65 = 26.5m Total = 51.5 m Wastage 5% = 2.6m Total = 54.1 m Qty taken for cost using once = 54.1/8= 6.763 m					
2204	Carriage of Timber	cum	0.248	0.00	0.00	
	Planks = 1.07 cum. Battens = 0.252 cum. Ballies 54.1x3.142x0.125^2/4 = 0.66 cum. Total = 1.982 cum Qty taken for cost using once = 1.982/8 =0.248 cudm					
	LABOUR Labour for assembling, erection, dismantling & cleaning					
0112	Carpenter 2nd class	day	8.000	816.00	6528.00	
0114	Beldar	day	8.000	736.00	5888.00	
9999	Sundries	L.S.	71.500	2.27	162.31	
	TOTAL				17125.04	W
	Add 1 % Water charges on “W”				171.25	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				17296.29	X
	Add GST on "X" (multiplying factor 0.2127)				3678.92	
	TOTAL				20975.21	Y
	Add 15% CPOH on "Y"				3146.28	
	TOTAL				24121.49	Z
	Add Cess @ 1% on "Z"				241.21	
	Cost of 25.25 sqm.				24362.70	
	Cost of 1 sqm.				964.86	
	Say				964.85	

5.9.19 Weather shed, Chajjas, corbels etc., including edges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. weather shed Area of centring and shuttering = 9.54 sqm For a weather shed over a window of size 1.5mx1.2m Size of weather shed 1.80x0.45m Thickness at front = 0.05m Thickness at fixed edge = 0.07m Area in contact with concrete Bottom 10x1x0.45x1.80 = 8.10 10x1x0.05x1.80 = 0.90 10x2x0.45x0.06 = 0.54 Total = 9.54 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times.					
1198	Second class kail wood in planks (i) Planking 38mm thick. Bottom 10x1x1.876x0.488 = 9.15 sqm. 10x1x1.876x0.05 = 0.94 sqm. 10x2x0.45x0.06 = 0.54 sqm. Total = 10.63 sqm. Add 5% wastage = 0.53 sqm. Total = 11.16 sqm. Cubic contains 11.16x0.038 = 0.424 cum = 424 cudm Qty taken for cost using once = 424/8 = 53.00 cudm	10 cudm	5.300	260.00	1378.00	
1197	Second class kail wood in scantling (ii) Battens- 10x2x0.60x0.075x0.10 = 0.09 Ends with bearing center 10x1x0.45x0.075x0.10 = 0.03 Total = 0.12 cum = 120 cudm Qty taken for cost using once =120/8=15 cudm	10 cudm	1.500	260.00	390.00	
2447	Hollock ballies 125 mm diameter (iii) Ballies 125mm dia.	metre	5.513	37.00	203.98	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	10x2x2.1 = 42m Wastage 5% = 2.1m Total = 44.1 m Qty taken for cost using once = 44.1/8 = 5.513 m					
2204	Carriage: Carriage of Timber Plank = 0.424 cum. Battens = 0.12 cum. Ballies 44.1x3.142x$(0.125)^2$/4 = 0.54 cum. Total = 1.084 cum Qty taken for cost using once = 1.084/8 = 0.136 cum	cum	0.136	0.00	0.00	
	LABOUR Labour for assembling, erection, dismantling & cleaning					
0112	Carpenter 2nd class	day	3.000	816.00	2448.00	
0114	Beldar	day	2.500	736.00	1840.00	
9999	Sundries	L.S.	52.000	2.27	118.04	
	TOTAL				6378.02	W
	Add 1 % Water charges on “W”				63.78	
	TOTAL				6441.80	X
	Add GST on “X” (multiplying factor 0.2127)				1370.17	
	TOTAL				7811.97	Y
	Add 15% CPOH on “Y”				1171.80	
	TOTAL				8983.77	Z
	Add Cess @ 1% on “Z”				89.84	
	Cost for 9.54 sqm.				9073.61	
	Cost of 1 sqm.				951.11	
	Say				951.10	

5.9.20 Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 Nos. room 10x4.50x3.0 = 135 sqm, height 3.5 m MATERIAL Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost					
10.1	Rate as per Item No.10.1 of SH:Steel Work Plates (size 0.75 m x 0.60 m) Angle 40x40x5mm 2x0.75 = 1.50 m 2x0.60 = 1.20 m = 2.70 m @ 3.00 kg/m = 8.1 kg Weight of one plate = 8.10kg Add for wastage @ 5% = 0.41 kg Total = 8.51kg	kg	54.250	117.35	6366.24	A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total weight of all plates =10x 5x6x8.51 = 2553 kg. Qty taken for cost using once.= 2553x0.85/40 = 54.25 kg Welding length = 10x(30x32)/40=240 cm					
1215	Welding by electric plant	cm	240.000	2.50	600.00	
8659	Water proof ply 12mm thick. 10x1x4.50x3.00=135sqm Add wastage @ 5% =6.8sqm Total 141.8sqm Qty taken for cost using once 141.8/8 = 17.7sqm	sqm	17.700	578.00	10230.60	
0112	Carpenter 2nd class	day	1.250	816.00	1020.00	
0114	Beldar	day	1.250	736.00	920.00	
1034	Bolts and nuts upto 300 mm in length	quintal	0.021	5200.00	109.20	
7342	Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once = 10x5x0.85/40 = 1.063	each	1.063	1540.00	1637.02	
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = 10x6x0.85/40 = 1.275	each	1.275	1051.00	1340.03	
9999	Assembly nut & bolts etc.	L.S.	126.300	2.27	286.70	
9977	Carriage	L.S.	1300.000	2.27	2951.00	
	LABOUR					
0116	Fitter (grade 1)	day	30.000	897.00	26910.00	
0114	Beldar	day	60.000	736.00	44160.00	
9999	Shuttering oil	L.S.	780.000	2.27	1770.60	
9999	Sundries	L.S.	520.000	2.27	1180.40	
	TOTAL				99481.79	W
	Add 1 % Water charges on “W-A”				931.16	
	TOTAL				100412.95	X
	Add GST on “X-A” (multiplying factor 0.2127)				20003.74	
	TOTAL				120416.69	Y
	Add 15% CPOH on “Y-A”				17107.57	
	TOTAL				137524.26	Z
	Add Cess @ 1% on “Z-A”				1311.58	
	Cost for 135 sqm.				138835.84	
	Cost per sqm.				1028.41	
	Say				1028.40	

5.9.21 Lintels, beams, plinth beams, girders, bressumers and cantilevers with water proof ply 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor Cubical contents 10x6.60x0.5x0.3 = 9.9 cum Area=10x1x1.30x6.00 = 78 sqm MATERIAL Assuming shuttering will become unservice-able after use of 8 times					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add maintenance charges @ 10% of cost of material					
	Less salvage value of material after full use @ 25% of cost of material					
10.1	Rate as per Item No.10.1 of SH:Steel Work	kg	37.200	117.35	4365.42	A
	Steel plates for side and bottom (plate size 1.20 x 0.50m)					
	Angle 40x40x5mm (both sides) & bottom					
	2x(2x1.20) +(2x1.2) =7.20m					
	2x(3x0.50)+(3x0.30)=3.9m					
	11.10 m @ 3.00 kg/m =33.30 kg					
	Weight of one plate = 33.30 kg.					
	Add for wastage =1.67kg.					
	Total =34.97 kg.					
	Total weight of all plates					
	10x5x34.97 = 1748.5 kg					
	Qty taken for cost of using once = 1748.5x0.85/40 =37.2 kg					
	Welding length 4800/40= 120 cm					
1215	Welding by electric plant	cm	120.000	2.50	300.00	
8659	Water proof ply 12mm thick.	sqm	10.200	578.00	5895.60	
	10x1x1.30x6.00 = 78 sqm					
	Add 5% wastage = 3.9 sqm					
	Total = 81.9 sqm					
	Qty taken for cost of using once 81.9/8 sqm= 10.2 sqm					
0112	Carpenter 2nd class	day	1.250	816.00	1020.00	
0114	Beldar	day	1.250	736.00	920.00	
1034	Bolts and nuts upto 300 mm in length	quintal	0.021	5200.00	109.20	
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1.275	1051.00	1340.03	
	Qty taken for cost of using once = 10x6x0.85/40 =1.275 m					
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	1.063	375.00	398.63	
	Qty taken for cost of using once = 10x5x0.85/40 = 1.063m					
9999	Assembly nut & bolts etc.	L.S.	110.500	2.27	250.84	
9977	Carriage	L.S.	780.000	2.27	1770.60	
	LABOUR					
0116	Fitter (grade 1)	day	12.500	897.00	11212.50	
0114	Beldar	day	25.000	736.00	18400.00	
9999	Shuttering oil	L.S.	390.000	2.27	885.30	
9999	Sundries, paper tape etc.	L.S.	260.000	2.27	590.20	
	TOTAL				47458.32	W
	Add 1 % Water charges on “W-A”				430.93	
	TOTAL				47889.25	X
	Add GST on “X-A” (multiplying factor 0.2127)				9257.52	
	TOTAL				57146.77	Y
	Add 15% CPOH on “Y-A”				7917.20	
	TOTAL				65063.97	Z
	Add Cess @ 1% on “Z-A”				606.99	
	Cost for 78 sqm.				65670.96	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost per sqm.				841.94	
	Say				841.95	

5.10 Providing and fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per the direction of Engineer-in-charge.

5.10.1 12 mm dia. & 100 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for wall length 7.90mx1m (24 set)					
	MATERIAL					
7320	Tie bolt 12 mm dia 100 mm length	each	24.00	40.00	960.00	
7324	Spring coil 12 mm	each	48.00	16.00	768.00	
7325	Plastic cone 12 mm dia	each	48.00	17.00	816.00	
9977	Carriage:	L.S.	13.00	2.27	29.51	
	LABOUR					
9999	Sundries	L.S.	26.00	2.27	59.02	
	TOTAL				2632.53	W
	Add 1 % Water charges on “W”				26.33	
	TOTAL				2658.86	X
	Add GST on “X” (multiplying factor 0.2127)				565.54	
	TOTAL				3224.40	Y
	Add 15% CPOH on “Y”				483.66	
	TOTAL				3708.06	Z
	Add Cess @ 1% on “Z”				37.08	
	Cost for 24 sets				3745.14	
	Cost of 1 each set				156.05	
	Say				156.05	

5.10.2 12 mm dia. & 150 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for wall length 7.90mx1m (24 set)					
	MATERIAL					
7321	Tie bolt 12 mm dia 150 mm length	each	24.00	50.00	1200.00	
7324	Spring coil 12 mm	each	48.00	16.00	768.00	
7325	Plastic cone 12 mm dia	each	48.00	17.00	816.00	
9977	Carriage:	L.S.	13.00	2.27	29.51	
	LABOUR					
9999	Sundries	L.S.	26.00	2.27	59.02	
	TOTAL				2872.53	W
	Add 1 % Water charges on “W”				28.73	
	TOTAL				2901.26	X
	Add GST on “X” (multiplying factor 0.2127)				617.10	
	TOTAL				3518.36	Y
	Add 15% CPOH on “Y”				527.75	
	TOTAL				4046.11	Z
	Add Cess @ 1% on “Z”				40.46	
	Cost for 24 sets				4086.57	
	Cost of 1 each set				170.27	
	Say				170.25	

5.10.3 20 mm dia. & 150 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for wall length 7.90mx1m (24 set)					
	MATERIAL					
7322	Tie bolt 20 mm dia 150 mm length	each	24.00	60.00	1440.00	
7324	Spring coil 12 mm	each	48.00	16.00	768.00	
7325	Plastic cone 12 mm dia	each	48.00	17.00	816.00	
9977	Carriage:	L.S.	13.00	2.27	29.51	
	LABOUR					
9999	Sundries	L.S.	26.00	2.27	59.02	
	TOTAL				3112.53	W
	Add 1 % Water charges on “W”				31.13	
	TOTAL				3143.66	X
	Add GST on “X” (multiplying factor 0.2127)				668.66	
	TOTAL				3812.32	Y
	Add 15% CPOH on “Y”				571.85	
	TOTAL				4384.17	Z
	Add Cess @ 1% on “Z”				43.84	
	Cost for 24 sets				4428.01	
	Cost of 1 each set				184.50	
	Say				184.50	

5.10.4 20 mm dia.& 225 mm length

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for wall length 7.90mx1m (24 set)					
	MATERIAL					
7323	Tie bolt 20 mm dia 225 mm length	each	24.00	72.00	1728.00	
7324	Spring coil 12 mm	each	48.00	16.00	768.00	
7325	Plastic cone 12 mm dia	each	48.00	17.00	816.00	
9977	Carriage:	L.S.	13.00	2.27	29.51	
	LABOUR					
9999	Sundries	L.S.	26.00	2.27	59.02	
	TOTAL				3400.53	W
	Add 1 % Water charges on “W”				34.01	
	TOTAL				3434.54	X
	Add GST on “X” (multiplying factor 0.2127)				730.53	
	TOTAL				4165.07	Y
	Add 15% CPOH on “Y”				624.76	
	TOTAL				4789.83	Z
	Add Cess @ 1% on “Z”				47.90	
	Cost for 24 sets				4837.73	
	Cost of 1 each set				201.57	
	Say				201.55	

5.11 Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).

5.11.1 Suspended floors, roofs, landings, beams and balconies (Plan area to be measured)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. Room of size 6mx-4.8m = 288 sqm.					
	MATERIAL					
	Assuming that shuttering material will be-come unserviceable after use 40 times					
	Less salvage value of material after full use @ 25% of cost material					
	Add 10% of cost of material for maintenance					
7345	Prop 4 m Qty taken for cost using once =10x 21 x0.85/40 = 4.463	each	4.463	965.00	4306.80	
	Deduct the rate of 3m prop					
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once =10x 21x0.85/40 = 4.463	each	-4.463	1051.00	-4690.61	
7330	M.S. tube 40 mm dia Bracing MS tube 40mm 10x7x4.8m = 336 m 10x3x6.0m = 180 m Total = 516 m Qty taken for cost using once =516x0.85/40 = 10.965	metre	10.965	225.00	2467.13	
7346	Double coupler (40x40) Qty taken for cost using once =10x 21 x0.85/40 = 4.463	each	4.463	49.00	218.69	
9977	Carriage	L.S.	650.000	2.27	1475.50	
	LABOUR					
0116	Fitter (grade 1)	day	30.000	897.00	26910.00	
0114	Beldar	day	60.000	736.00	44160.00	
9999	Sundries	L.S.	1300.000	2.27	2951.00	
	TOTAL				77798.51	W
	Add 1 % Water charges on “W”				777.99	
	TOTAL				78576.50	X
	Add GST on “X” (multiplying factor 0.2127)				16713.22	
	TOTAL				95289.72	Y
	Add 15% CPOH on “Y”				14293.46	
	TOTAL				109583.18	Z
	Add Cess @ 1% on “Z”				1095.83	
	Cost for 288 sqm.				110679.01	
	Cost per sqm.				384.30	
	Say				384.30	

5.12 Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but , excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
	Cement concrete 1:1½:3 in string or lacing course etc					
4.5.1	Rate as per Item No.4.5.1 of SH:Concrete Work (NB : Rate has been taken including cost of fixing in CM 1:2 as precast members are to be fixesd in CM 1:2)(1 cement : 2 coarse sand) as per CPWD specifications)	cum	1.00	10105.10	10105.10	A
	LABOUR					
	Extra labour for laying CC in RCC work					
0114	Beldar	day	0.10	736.00	73.60	
0101	Bhisti	day	0.20	816.00	163.20	
0123	Mason 1st class	day	0.04	897.00	35.88	
0124	Mason 2nd class	day	0.04	816.00	32.64	
0128	Mate	day	0.04	816.00	32.64	
	TOTAL				10443.06	W
	Add 1 % Water charges on “W-A”				3.38	
	TOTAL				10446.44	X
	Add GST on “X-A” (multiplying factor 0.2127)				72.60	
	TOTAL				10519.04	Y
	Add 15% CPOH on “Y-A”				62.09	
	TOTAL				10581.13	Z
	Add Cess @ 1% on “Z-A”				4.76	
	Cost for 1 cum.				10585.89	
	Say				10585.90	

5.12A Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but excluding cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL: Cement concrete1:1.5:3 in string or lacing course etc					
Sub AR-2	Rate as per Sub AR-2 (Ref item no 4.5.1) (NB : Rate has been taken including cost of fixing in CM 1:2 as precast members are to be fixed in CM 1:2)(1 cement: 2 coarse sand) as per CPWD specifications	cum	1.00	9935.95	9935.95	A
	LABOUR:					
	Extra labour for laying CC in RCC work					
0114	Beldar	day	0.10	736.00	73.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0101	Bhisti	day	0.20	816.00	163.20	
0123	Mason 1st class	day	0.04	897.00	35.88	
0124	Mason (brick layer) 2 nd class	day	0.04	816.00	32.64	
0128	Mate	day	0.04	816.00	32.64	
	Total				10273.91	W
	Add 1 % Water charges on “W-A”				3.38	
	TOTAL				10277.29	X
	Add GST on “X-A” (multiplying factor 0.2127)				72.60	
	TOTAL				10349.89	Y
	Add 15% CPOH on “Y-A”				62.09	
	TOTAL				10411.98	Z
	Add Cess @ 1% on “Z-A”				4.76	
	Cost of 1 cum				10416.74	
	Say				10416.75	

Sub AR-2 Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required Centering complete.

(Based on item no 4.5.1) 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Plain window sill 150 nos.=150x1m x0.20m x 0.15m = 4.5cum.					
	MATERIAL:					
	Cement concrete 1:1.5:3					
Sub AR-1	Rate as per Sub AR-1 (Ref item no 4.1.2)	cum	4.500	8170.05	36765.23	A
	Extra labour for lifting =4.5 x 0.75 x 1.50 = 5.1					
0115	Coolie	day	5.100	736.00	3753.60	
	Centering and shuttering:					
	(1) Details of one Mould(i) Plate 3mm thick: (2x1.00x0.15)+(2x0.20x0.15) = 0.36 sqm. @ 23.55kg/m2 = 8.48 kg. (ii) Flat 10x5mm: 4x1.0 = 4.0m, 4x0.2 = 0.80m, 8x0.15 = 1.20m, Handle 2x0.25 = 0.5m Total=6.50 m @ 0.4kg/m = 2.60 kg. Total weight of 01 Mould= 11.08kg. Assuming Mould will be-come unserviceable after use of 40x15=600 times and taking 75% credit.Qty taken for 150 nos sill blocks,cost of using once = 11.08x0.75x150/40x15 = 2.1kg					
10.1	Rate as per Item Number 10.1 of SH: Steel work	kg	2.100	117.35	246.44	A
	(2) Moulding Platform (10 nos.): Assuming 15 nos in one lot and platform will become unserviceable after use of 40 times,(i) Brick on edge flooring cement mortar 1:6=10x1x-2.0x2.0m = 40 sqm. Qty taken for cost of using once = 40/40 = 1 sqm					
11.1.2	Rate as per Item Number 11.1.2 of SH: Flooring	sqm	1.000	965.55	965.55	A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	(ii) 25mm thick cement concrete 1:2:4 in pavement =10x2.00x2.00x0.025 = 1cum, Qty taken for cost of using once = 1/40 = 0.025 cum					
Sub AR-3	Rate as per sub AR-3 (Ref Item No.11.7)	cum	0.025	8886.70	222.17	A
9999	Mortar and labour for hoisting and finishing	L.S.	363.000	2.27	824.01	
	Total				42777.00	W
	Add 1 % Water charges on “W-A”				45.78	
	TOTAL				42822.78	X
	Add GST on “X-A” (multiplying factor 0.2127)				983.40	
	TOTAL				43806.18	Y
	Add 15% CPOH on “Y-A”				841.02	
	TOTAL				44647.20	Z
	Add Cess @ 1% on “Z-A”				64.48	
	Cost of 4.5 cum				44711.68	
	Cost of 1 cum				9935.93	
	Say				9935.95	

Sub AR-3 (Ref Item No.11.7) Cement concrete pavement with 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate(RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%). including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one cum.					
	MATERIAL					
	Cement concrete 1:1.5:3					
Sub AR-1	Rate as per Sub AR-1 (Ref item no.4.1.2)	cum	1.00	8170.05	8170.05	A
	Extra labour for laying in floors etc.					
0124	Mason 2nd class	day	0.35	816.00	285.60	
0114	Beldar	day	0.18	736.00	132.48	
0101	Bhisti	day	0.05	816.00	40.80	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				8673.79	W
	Add 1 % Water charges on “W-A”				5.04	
	TOTAL				8678.83	X
	Add GST on “X-A” (multiplying factor 0.2127)				108.22	
	TOTAL				8787.05	Y
	Add 15% CPOH on “Y-A”				92.55	
	TOTAL				8879.60	Z
	Add Cess @ 1% on “Z-A”				7.10	
	Cost of 1 Cum.				8886.70	
	Say				8886.70	

5.13 Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in small lintels not exceeding 1.5m clear span up to floor five level, including the cost of required centering, shuttering but , excluding the cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a lintel : Qty = 0.054 cum MATERIAL 1.5m clear span = 1.8x0.20x0.15 = 0.054 cum. Cement Concrete 1:1½:3					
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.054	8340.85	450.41	A
	Extra labour for lifting material above FLII upto floor V level =0.054x 0.75 x 1.50 = 0.061 (for precast concrete)					
0115	Coolie	day	0.061	736.00	44.90	
	Centring and shuttering					
4.3.1	Rate as per item no. 4.3.1 of SH: Concrete work	sqm	0.60	392.15	235.29	A
	Extra labour for laying CC in RCC work					
0114	Beldar	day	0.005	736.00	3.68	
0101	Bhisti	day	0.01	816.00	8.16	
0123	Mason 1st class	day	0.002	897.00	1.79	
0124	Mason 2nd class	day	0.002	816.00	1.63	
0128	Mate	day	0.002	816.00	1.63	
	TOTAL				747.49	W
	Add 1 % Water charges on “W-A”				0.62	
	TOTAL				748.11	X
	Add GST on “X-A” (multiplying factor 0.2127)				13.27	
	TOTAL				761.38	Y
	Add 15% CPOH on “Y-A”				11.35	
	TOTAL				772.73	Z
	Add Cess @ 1% on “Z-A”				0.87	
	Cost for 0.054 cum.				773.60	
	Cost per cum				14325.93	
	Say				14325.95	

5.13A Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in small lintels not exceeding 1.5 m clear span up to floor five level, including the cost of required centering, shuttering but excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a lintel Qty = 0.054 cum MATERIAL: 1.5m clear span = 1.8x0.20x0.15 = 0.054 cum. Cement Concrete 1:1.5:3					
Sub AR-4	Rate as per Sub AR-4	cum	0.054	9353.20	505.07	A
	Centring and shuttering					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
4.3.1	Rate as per Item Number 4.3.1 of SH: Concrete work	sqm	0.60	392.15	235.29	A
	Extra labour for laying CC in RCC work					
0114	Beldar	day	0.005	736.00	3.68	
0101	Bhisti	day	0.01	816.00	8.16	
0123	Mason 1st class	day	0.00	897.00	1.79	
0124	Mason 2nd class	day	0.00	816.00	1.63	
0128	Mate	day	0.00	816.00	1.63	
	Total				757.25	W
	Add 1 % Water charges on “W-A”				0.17	
	TOTAL				757.42	X
	Add GST on “X-A” (multiplying factor 0.2127)				3.63	
	TOTAL				761.05	Y
	Add 15% CPOH on “Y-A”				3.10	
	TOTAL				764.15	Z
	Add Cess @ 1% on “Z-A”				0.24	
	Cost of 0.054 cum				764.39	
	Cost of 1 cum				14155.37	
	Say				14155.35	

Sub AR-4 (Based on item no. 4.1.2) **1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL:					
0295	Stone Aggregate (Single size) : 20 mm nominal size derived from natural sources	cum	0.456	1425.00	649.80	
0279	Recycled Concrete Aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10	
0297	Stone Aggregate (Single size) : 10 mm nominal size derived from natural sources	cum	0.224	1400.00	313.60	
0281	Recycled Concrete Aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59	
2202	Carriage of Stone Aggregate including Recycled Concrete Aggregate (RCA) below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III) derived from natural sources	cum	0.34	1450.00	493.00	
0278	Manufactured sand derived from Recycled Concrete Aggregate (RCA)	cum	0.085	957.00	81.35	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	
0367	Portland Cement (0.2833cum)	tonne	0.40	5156.00	2062.40	
2209	Carriage of cement	tonne	0.40	0.00	0.00	
	LABOUR:					
0155	Mason (average)	day	0.10	857.00	85.70	
0114	Beldar	day	1.63	736.00	1199.68	
0101	Bhisti	day	0.70	816.00	571.20	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	0.07	900.00	63.00	
0012	Vibrator (Needle type 40 mm)	day	0.07	400.00	28.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries (Extra labour for lifting material above FLII upto floor V level = 0.75 x 1.50 = 1.13 for precast concrete)	L.S.	14.30	2.27	32.46	
0115	Coolie	day	1.13	736.00	831.68	
	Total				6574.56	W
	Add 1 % Water charges on “W”				65.75	
	TOTAL				6640.31	X
	Add GST on “X” (multiplying factor 0.2127)				1412.39	
	TOTAL				8052.70	Y
	Add 15% CPOH on “Y”				1207.91	
	TOTAL				9260.61	Z
	Add Cess @ 1% on “Z”				92.61	
	Cost of 1 cum				9353.22	
	Say				9353.20	

5.14 Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc, including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but, excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10x1mx0.20x0.15=0.3 cum					
	MATERIAL					
	Cement concrete 1:1½:3					
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.300	8340.85	2502.26	A
	Extra labour for lifting above FL II upto FL V 0.3 x 1.5x0.75 = 0.34					
0115	Coolie	day	0.340	736.00	250.24	
9999	Mortar and labour for hoisting and for fixing	L.S.	27.300	2.27	61.97	
	Centring and shuttering					
4.3.1	Rate as per Item No.4.3.1 of SH: Concrete Work	sqm	3.600	392.15	1411.74	A
9999	Add for extra labour for hoisting	L.S.	16.100	2.27	36.55	
	53.82x0.3 = 16.1					
	LABOUR					
	Add Extra labour for moulding :					
0123	Mason 1st class	day	0.174	897.00	156.08	
	0.58x0.3=0.174					
0124	Mason 2nd class	day	0.174	816.00	141.98	
	0.58x0.3=0.174					
0115	Coolie	day	0.450	736.00	331.20	
	1.5x0.3=0.450					
0101	Bhisti	day	0.018	816.00	14.69	
	0.06x0.3=0.018					
	Extra labour for laying CC in RCC					
0114	Beldar	day	0.030	736.00	22.08	
	0.1x0.3=0.030					
0101	Bhisti	day	0.060	816.00	48.96	
	0.2x0.3=0.060					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason 1st class 0.04x0.3=0.012	day	0.012	897.00	10.76	
0124	Mason 2nd class 0.04x0.3=0.012	day	0.012	816.00	9.79	
0128	Mate 0.04x0.3=0.012	day	0.012	816.00	9.79	
	TOTAL				5008.09	W
	Add 1 % Water charges on “W-A”				10.94	
	TOTAL				5019.03	X
	Add GST on “X-A” (multiplying factor 0.2127)				235.04	
	TOTAL				5254.07	Y
	Add 15% CPOH on “Y-A”				201.01	
	TOTAL				5455.08	Z
	Add Cess @ 1% on “Z-A”				15.41	
	Cost for 0.3 cum				5470.49	
	Cost for 1 cum.				18234.97	
	Say				18234.95	

5.14A Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc. including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10x 1 x 0.20 x 0.15 = 0.3 cum					
	MATERIAL:					
	Cement concrete 1:1.5:3					
Sub AR-1	Rate as per sub AR-1 (Ref item no 4.1.2)	cum	0.300	8170.05	2451.02	A
	Extra labour for lifting above FL II upto FL V 0.3 x 1.5x0.75 = 0.34					
0115	Coolie	day	0.340	736.00	250.24	
9999	Mortar and labour for hoisting and for fixing	L.S.	27.300	2.27	61.97	
	Centring and shuttering					
4.3.1	Rate as per Item Number 4.3.1 of SH: Concrete work 53.82x0.3 = 16.1	sqm	3.600	392.15	1411.74	A
9999	Add for extra labour for hoisting	L.S.	16.100	2.27	36.55	
	LABOUR:					
	Add Extra labour for moulding					
0123	Mason 1st class 0.58x0.3=0.174	day	0.174	897.00	156.08	
0124	Mason 2nd class 0.58x0.3=0.174	day	0.174	816.00	141.98	
0115	Coolie 1.5x0.3=0.450	day	0.450	736.00	331.20	
0101	Bhisti	day	0.018	816.00	14.69	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	0.06x0.3=0.018					
	Extra labour for laying CC in RCC					
0114	Beldar	day	0.030	736.00	22.08	
	0.1x0.3=0.030					
0101	Bhisti	day	0.060	816.00	48.96	
	0.2x0.3=0.060					
0123	Mason 1st class	day	0.012	897.00	10.76	
	0.04x0.3=0.012					
0124	Mason 2nd class	day	0.012	816.00	9.79	
	0.04x0.3=0.012					
0128	Mate	day	0.012	816.00	9.79	
	0.04x0.3=0.012					
	Total				4956.85	W
	Add 1 % Water charges on “W-A”				10.94	
	TOTAL				4967.79	X
	Add GST on “X-A” (multiplying factor 0.2127)				235.04	
	TOTAL				5202.83	Y
	Add 15% CPOH on “Y-A”				201.01	
	TOTAL				5403.84	Z
	Add Cess @ 1% on “Z-A”				15.41	
	Cost of 0.3 cum				5419.25	
	Cost of 1 cum				18064.17	
	Say				18064.15	

5.15 Providing, transporting, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in lintels, beams and bressumers, including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering and shuttering but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for10 Nos. beam 6.60m long 0.50m deep and 0.30m wide = 10x6.60x0.50x0.30 = 9.9 cum.					
	MATERIAL					
	Cement concrete 1:1½:3					
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	9.900	8340.85	82574.42	A
	Centring and shuttering					
4.3.1	Rate same as per item no. 4.3.1 of SH: Concrete work	sqm	69.000	392.15	27058.35	A
	Extra labour for lifting above FL II upto Floor Level V (Coolie =9.9x0.75x1.50=11.1)					
0115	Coolie	day	11.100	736.00	8169.60	
	LABOUR					
	Extra labour for laying cement concrete in RCC work					
0114	Beldar	day	0.990	736.00	728.64	
	0.10x9.9					
0101	Bhisti	day	1.980	816.00	1615.68	
	0.20x9.9					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason 1st class	day	0.396	897.00	355.21	
	0.04x9.9					
0124	Mason 2nd class	day	0.396	816.00	323.14	
	0.04x9.9					
0128	Mate	day	0.396	816.00	323.14	
	0.04x9.9					
9999	Cement mortar 1:3 for fixing	L.S.	897.000	2.27	2036.19	
9999	Labour for hoisting, Transporting and setting in position	L.S.	2691.000	2.27	6108.57	
	TOTAL				129292.94	W
	Add 1 % Water charges on “W-A”				196.60	
	TOTAL				129489.54	X
	Add GST on “X-A” (multiplying factor 0.2127)				4223.53	
	TOTAL				133713.07	Y
	Add 15% CPOH on “Y-A”				3612.05	
	TOTAL				137325.12	Z
	Add Cess @ 1% on “Z-A”				276.92	
	Cost for 9.9 cum				137602.04	
	Cost for 1 cum.				13899.20	
	Say				13899.20	

5.15A Providing, transporting, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in lintels, beams and bressumers including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering and shuttering but excluding the cost of reinforcement with, 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. beam 6.60m long 0.50m deep and 0.30m wide = 10x6.60x0.50x0.30 = 9.9 cum					
	MATERIAL:					
	Cement concrete 1:1.5:3					
Sub AR-1	Rate as per sub AR-1 (Ref item no 4.1.2)	cum	9.900	8170.05	80883.50	A
	Centring and shuttering					
4.3.1	Rate as per Item Number 4.3.1 of SH: Concrete work	sqm	69.000	392.15	27058.35	A
	Extra labour for lifting above FL II upto Floor Level V (Coolie =9.9x0.75x1.50=11.1)					
0115	Coolie	day	11.100	736.00	8169.60	
	LABOUR:					
	Extra labour for laying cement concrete in RCCwork					
0114	Beldar	day	0.990	736.00	728.64	
	0.10x9.9					
0101	Bhisti	day	1.980	816.00	1615.68	
	0.20x9.9					
0123	Mason 1st class	day	0.396	897.00	355.21	
	0.04x9.9					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0124	Mason 2nd class 0.04x9.9	day	0.396	816.00	323.14	
0128	Mate 0.04x9.9	day	0.396	816.00	323.14	
9999	Cement mortar 1:3 for fixing	L.S.	897.000	2.27	2036.19	
9999	Labour for hoisting, Transporting and setting in position	L.S.	2691.000	2.27	6108.57	
	Total				127602.02	W
	Add 1 % Water charges on “W-A”				196.60	
	TOTAL				127798.62	X
	Add GST on “X-A” (multiplying factor 0.2127)				4223.53	
	TOTAL				132022.15	Y
	Add 15% CPOH on “Y-A”				3612.05	
	TOTAL				135634.20	Z
	Add Cess @ 1% on “Z-A”				276.92	
	Cost of 9.9 cum				135911.12	
	Cost of 1 cum				13728.40	
	Say				13728.40	

5.16 Providing, transporting, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves, including setting in cement mortar 1:3 (1cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. shelf 0.90x0.45x0.04m thick = 10x0.90x0.45x0.04m = 0.162 cum Cement concrete 1:1½:3					
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.162	8340.85	1351.22	A
	Finishing					
13.18	Rate same as per iem no. 13.18 of SH : Finishing	sqm	8.500	79.95	679.58	A
	Centring and shuttering:					
4.3.1	Rate same as per item no. 4.3.1 of SH : concrete work	sqm	1.080	392.15	423.52	A
	Centring and shuttering = 10x2x(0.90+0.45) x0.04 = 1.08 sqm					
	Extra labour for lifting from FL II upto Floor Level V (Coolie =0.162x0.75x1.50=0.18)					
0115	Coolie	day	0.180	736.00	132.48	
	LABOUR					
	Extra labour for laying cement concrete in RCC work due to delay etc.					
0114	Beldar	day	0.016	736.00	11.78	
0101	Bhisti	day	0.032	816.00	26.11	
0123	Mason 1st class	day	0.006	897.00	5.38	
0124	Mason 2nd class	day	0.006	816.00	4.90	
0128	Mate	day	0.006	816.00	4.90	
9999	Cement mortar 1:3 for fixing	L.S.	44.200	2.27	100.33	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Labour for hoisting, Transporting and setting in position	L.S.	135.200	2.27	306.90	
	TOTAL				3047.10	W
	Add 1 % Water charges on “W-A”				5.93	
	TOTAL				3053.03	X
	Add GST on “X-A” (multiplying factor 0.2127)				127.35	
	TOTAL				3180.38	Y
	Add 15% CPOH on “Y-A”				108.91	
	TOTAL				3289.29	Z
	Add Cess @ 1% on “Z-A”				8.35	
	Cost for 0.162 cum				3297.64	
	Cost for 1 cum.				20355.80	
	Say				20355.80	

5.16A Providing, transporting, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 shelf 0.90x0.45x0.04m thick = 10x0.90x0.45x0.04m = 0.162 cum					
	Cement concrete 1:1.5:3					
Sub AR-1	Rate as per sub AR-1 (Ref item no 4.1.2)	cum	0.162	8170.05	1323.55	A
	Finisihing					
13.18	Rate as per Item Number 13.18 of SH: Finishing	sqm	8.500	79.95	679.58	A
	Centring and shuttering = 10x2x(0.90+0.45) x0.04 = 1.08 sqm					
4.3.1	Rate as per Item Number 4.3.1 of SH: Concrete work	sqm	1.080	392.15	423.52	A
	Extra labour for lifting from FL II upto Floor Level V (Coolie =0.162x0.75x1.50=0.18)					
0115	Coolie	day	0.180	736.00	132.48	
	LABOUR:					
	Extra labour for laying cement concrete in RCC work due to delay etc.					
0114	Beldar	day	0.016	736.00	11.78	
0101	Bhisti	day	0.032	816.00	26.11	
0123	Mason 1st class	day	0.006	897.00	5.38	
0124	Mason 2nd class	day	0.006	816.00	4.90	
0128	Mate	day	0.006	816.00	4.90	
9999	Cement mortar 1:3 for fixing	L.S.	44.200	2.27	100.33	
9999	Labour for hoisting, Transporting and setting	L.S.	135.200	2.27	306.90	
	Total				3019.43	W
	Add 1 % Water charges on “W-A”				5.93	
	TOTAL				3025.36	X
	Add GST on “X-A” (multiplying factor 0.2127)				127.35	
	TOTAL				3152.71	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y-A"				108.91	
	TOTAL				3261.62	Z
	Add Cess @ 1% on "Z-A"				8.35	
	Cost of 0.162 cum				3269.97	
	Cost of 1 cum				20185.00	
	Say				20185.00	

5.17 Providing, transporting, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in vertical & horizontal fins, individually or forming box louvers, setting in cement mortar 1:2 (1 cement : 2 coarse sand), including the cost of required centering, shuttering but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. of 4 RCC vertical fins 4m high at 1m centre to centre with two horizontal fins, all projecting 60cm from face of wall and 5cm thick cubical contents = 10x 0.66 cum = 6.6 cum					
	MATERIAL					
	Cement concrete 1:1½:3					
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	6.600	8340.85	55049.61	A
	Centering and shuttering					
4.3.1	Rate as per item no. 4.3.1 of SH: Concrete work	sqm	25.600	392.15	10039.04	A
	Extra labour for lifting from FL II upto Floor Level V (Coolie =6.6x0.75x1.50=7.4)					
0115	Coolie	day	7.400	736.00	5446.40	
	LABOUR					
	Extra labour for laying cement concrete in RCC work due to delay etc.					
0114	Beldar	day	0.660	736.00	485.76	
0101	Bhisti	day	1.320	816.00	1077.12	
0123	Mason 1st class	day	0.264	897.00	236.81	
0124	Mason 2nd class	day	0.264	816.00	215.42	
0128	Mate	day	0.264	816.00	215.42	
9999	Cement mortar 1:3 for fixing	L.S.	179.400	2.27	407.24	
9999	Labour for hoisting, Transporting and setting in position	L.S.	717.600	2.27	1628.95	
9999	Sundries	L.S.	179.400	2.27	407.24	
	TOTAL				75209.01	W
	Add 1 % Water charges on "W-A"				101.20	
	TOTAL				75310.21	X
	Add GST on "X-A" (multiplying factor 0.2127)				2174.13	
	TOTAL				77484.34	Y
	Add 15% CPOH on "Y-A"				1859.35	
	TOTAL				79343.69	Z
	Add Cess @ 1% on "Z-A"				142.55	
	Cost for 6.6 cum				79486.24	
	Cost for 1 cum.				12043.37	
	Say				12043.35	

5.17A Providing, transporting, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in vertical & horizontal fins individually or forming box louvers setting in cement mortar 1:2 (1 cement : 2 coarse sand), including the cost of required centering, shuttering but excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. of 4 RCC vertical fins 4m high at lm centre to centre with two horizontal fins, all projecting 60cm from face of wall and 5cm thick cubical contents = 10x 0.66 cum = 6.6 cum					
	MATERIAL:					
	Cement concrete 1:1.5:3					
Sub AR-1	Rate as per sub AR-1 (Ref item no 4.1.2)	cum	6.600	8170.05	53922.33	A
	Centering and shuttering					
4.3.1	Rate as per Item Number 4.3.1 of SH: Concrete work	sqm	25.600	392.15	10039.04	A
	Extra labour for lifting from FL II upto Floor Level V (Coolie = 6.6x0.75x1.50=7.4)					
0115	Coolie	day	7.400	736.00	5446.40	
	LABOUR:					
	Extra labour for laying cement concrete in RCC work due to delay etc.					
0114	Beldar	day	0.660	736.00	485.76	
0101	Bhisti	day	1.320	816.00	1077.12	
0123	Mason 1st class	day	0.264	897.00	236.81	
0124	Mason 2nd class	day	0.264	816.00	215.42	
0128	Mate	day	0.264	816.00	215.42	
9999	Cement mortar 1:3 for fixing	L.S.	179.400	2.27	407.24	
9999	Labour for hoisting, Transporting and setting	L.S.	717.600	2.27	1628.95	
9999	Sundries	L.S.	179.400	2.27	407.24	
	Total				74081.73	W
	Add 1 % Water charges on “W-A”				101.20	
	TOTAL				74182.93	X
	Add GST on “X-A” (multiplying factor 0.2127)				2174.13	
	TOTAL				76357.06	Y
	Add 15% CPOH on “Y-A”				1859.35	
	TOTAL				78216.41	Z
	Add Cess @ 1% on “Z-A”				142.55	
	Cost of 6.6 cum				78358.96	
	Cost of 1 cum				11872.57	
	Say				11872.55	

5.18 Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.

5.18.1 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for jali 2.00mx0.75m = 1.50 sqm.					
0768	Cement Concrete Jali 50 mm thick	sqm	1.50	435.00	652.50	
9999	Mortar for fixing	L.S.	6.24	2.27	14.16	
9988	Carriage and sundries	L.S.	6.20	2.27	14.07	
	LABOUR					
0123	Mason 1st class	day	0.30	897.00	269.10	
0124	Mason 2nd class	day	0.30	816.00	244.80	
0114	Beldar	day	1.08	736.00	794.88	
	TOTAL				1989.51	W
	Add 1 % Water charges on “W”				19.90	
	TOTAL				2009.41	X
	Add GST on “X” (multiplying factor 0.2127)				427.40	
	TOTAL				2436.81	Y
	Add 15% CPOH on “Y”				365.52	
	TOTAL				2802.33	Z
	Add Cess @ 1% on “Z”				28.02	
	Cost of 1.50 sqm.				2830.35	
	Cost of 1 sqm.				1886.90	
	Say				1886.90	

5.18.2 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.2mx0.60m = 0.72 sqm.					
0769	Cement Concrete Jali 40 mm thick	sqm	0.72	380.00	273.60	
9999	Mortar for fixing	L.S.	3.64	2.27	8.26	
9988	Carriage and sundries	L.S.	3.64	2.27	8.26	
	LABOUR					
0123	Mason 1st class	day	0.12	897.00	107.64	
0124	Mason 2nd class	day	0.12	816.00	97.92	
0114	Beldar	day	0.50	736.00	368.00	
	TOTAL				863.68	W
	Add 1 % Water charges on “W”				8.64	
	TOTAL				872.32	X
	Add GST on “X” (multiplying factor 0.2127)				185.54	
	TOTAL				1057.86	Y
	Add 15% CPOH on “Y”				158.68	
	TOTAL				1216.54	Z
	Add Cess @ 1% on “Z”				12.17	
	Cost of 0.72 sqm.				1228.71	
	Cost of 1 sqm.				1706.54	
	Say				1706.55	

5.18.3 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for jali 0.75mx0.5m = 0.375 sqm					
0770	Cement Concrete Jali 25 mm thick	sqm	0.375	295.00	110.63	
9999	Mortar for fixing	L.S.	1.82	2.27	4.13	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9988	Carriage and sundries	L.S.	1.82	2.27	4.13	
	LABOUR					
0123	Mason 1st class	day	0.06	897.00	53.82	
0124	Mason 2nd class	day	0.06	816.00	48.96	
0114	Beldar	day	0.25	736.00	184.00	
	TOTAL				405.67	W
	Add 1 % Water charges on “W”				4.06	
	TOTAL				409.73	X
	Add GST on “X” (multiplying factor 0.2127)				87.15	
	TOTAL				496.88	Y
	Add 15% CPOH on “Y”				74.53	
	TOTAL				571.41	Z
	Add Cess @ 1% on “Z”				5.71	
	Cost of 0.375 sqm.				577.12	
	Cost of 1 sqm.				1538.99	
	Say				1539.00	

5.19 Encasing rolled steel sections, in beams and columns, with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) including centering and shuttering complete but , excluding cost of reinforcement.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.424 cum.					
	Consider 2 R.S. Joist (150mmx80mm) 4.88m long placed 30cm apart centre to centre					
	Overall dimensions of the beam 43cmx20cm-					
	MATERIAL					
	Concrete work- 4.93x0.43x0.20 = 0.424 cum for 1:1½:3 Cement Concrete (1 cement: 1½ coarse sand : 3 stone aggregate 20mm nominal size)					
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.424	8340.85	3536.52	A
	Extra labour for laying C.C. in RCC work					
0114	Beldar	day	0.042	736.00	30.91	
0101	Bhisti	day	0.085	816.00	69.36	
0123	Mason 1st class	day	0.017	897.00	15.25	
0124	Mason 2nd class	day	0.017	816.00	13.87	
0128	Mate	day	0.017	816.00	13.87	
	Form work-					
	4.93x0.83 girth = 4.09 sqm.					
5.9.5	Rate as per item 5.9.5 of SH: Reinforced cement concrete work	sqm	4.09	736.40	3011.88	A
9999	Sundries and for lifting materials	L.S.	21.58	2.27	48.99	
	TOTAL				6740.65	W
	Add 1 % Water charges on “W-A”				1.92	
	TOTAL				6742.57	X
	Add GST on “X-A” (multiplying factor 0.2127)				41.30	
	TOTAL				6783.87	Y
	Add 15% CPOH on “Y-A”				35.32	
	TOTAL				6819.19	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z-A”				2.71	
	Cost of 0.424 cum				6821.90	
	Cost of 1 cum.				16089.39	
	Say				16089.40	

5.19A Encasing rolled steel sections, in beams and columns, with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20%: 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%) including centering and shuttering complete but excluding cost of reinforcement.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.424 cum Consider 2 R.S. Joists (150mmx80mm) 4.88m long placed 30cm apart centre to centre Overall dimensions of the beam 43cmx20cm MATERIAL: Concrete work :4.93x0.43x0.20 = 0.424 cum For 1:1.5:3 Cement Concrete (1 cement: 1½ coarse sand (RCA) upto 20% : 3 stone aggregate 20mm nominal size (RCA) upto 20%)					
Sub AR-1	Rate as per sub AR-1 (Ref item no 4.1.2)	cum	0.424	8170.05	3464.10	A
	Extra labour for laying C.C. in RCC work					
0114	Beldar	day	0.042	736.00	30.91	
0101	Bhisti	day	0.085	816.00	69.36	
0123	Mason 1st class	day	0.017	897.00	15.25	
0124	Mason 2nd class	day	0.017	816.00	13.87	
0128	Mate	day	0.017	816.00	13.87	
	Form work-4.93x0.83 girth = 4.09 sqm					
5.9.5	Rate as per Item Number 5.9.5 of SH: Reinforced cement concrete work	sqm	4.090	736.40	3011.88	A
9999	Sundries and for lifting materials	L.S.	21.580	2.27	48.99	
	Total				6668.23	W
	Add 1 % Water charges on “W-A”				1.92	
	TOTAL				6670.15	X
	Add GST on “X-A” (multiplying factor 0.2127)				41.30	
	TOTAL				6711.45	Y
	Add 15% CPOH on “Y-A”				35.32	
	TOTAL				6746.77	Z
	Add Cess @ 1% on “Z-A”				2.71	
	Cost of 0.424 cum				6749.48	
	Cost of 1 cum				15918.58	
	Say				15918.60	

5.20 Encasing rolled steel section in grillages with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) including centering and shuttering but, excluding cost of expanded metal and hangers.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for the grillage 3.50mx3.50mx-1.00m = 12.25 cum Cement concrete 1:1½:3					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
4.1.2	Rate as per Item No.4.1.2 of SH: Concrete Work	cum	12.25	8340.85	102175.41	A
	Extra labour for laying C.C. in RCC work					
0114	Beldar	day	1.225	736.00	901.60	
0101	Bhisti	day	2.45	816.00	1999.20	
0123	Mason 1st class	day	0.49	897.00	439.53	
0124	Mason 2nd class	day	0.49	816.00	399.84	
0128	Mate	day	0.49	816.00	399.84	
	Shuttering : 2(3.50+3.50)x1.00= 14.00 sqm					
5.9.5	Rate as per item 5.9.5 of SH: Reinforced cement concrete work	sqm	14.00	736.40	10309.60	A
	TOTAL				116625.02	W
	Add 1 % Water charges on “W-A”				41.40	
	TOTAL				116666.42	X
	Add GST on “X-A” (multiplying factor 0.2127)				889.39	
	TOTAL				117555.81	Y
	Add 15% CPOH on “Y-A”				760.62	
	TOTAL				118316.43	Z
	Add Cess @ 1% on “Z-A”				58.31	
	Cost of 12.25 cum.				118374.74	
	Cost of 1 cum.				9663.24	
	Say				9663.25	

5.20A Encasing rolled steel section in grillages with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%), including centering and shuttering but excluding cost of expanded metal and hangers.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for the grillage 3.50mx3.50mx-1.00m					
	Cement concrete 1:1.5:3 3.50mx-3.50x1.00=12.25cum					
	Cement concrete 1:1.5:3					
Sub AR-1	Rate as per sub AR-1 (Ref item no 4.1.2)	cum	12.25	8170.05	100083.11	A
	Extra labour for laying C.C. in RCC work					
0114	Beldar	day	1.225	736.00	901.60	
0101	Bhisti	day	2.45	816.00	1999.20	
0123	Mason 1st class	day	0.49	897.00	439.53	
0124	Mason 2nd class	day	0.49	816.00	399.84	
0128	Mate	day	0.49	816.00	399.84	
	Shuttering :2(3.50+3.50)x1.00= 14.00 sqm					
5.9.5	Rate as per Item Number 5.9.5 of SH: Reinforced cement concrete work	sqm	14.00	736.40	10309.60	A
	Total				114532.72	W
	Add 1 % Water charges on “W-A”				41.40	
	TOTAL				114574.12	X
	Add GST on “X-A” (multiplying factor 0.2127)				889.39	
	TOTAL				115463.51	Y
	Add 15% CPOH on “Y-A”				760.62	
	TOTAL				116224.13	Z
	Add Cess @ 1% on “Z-A”				58.31	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 12.25 cum				116282.44	
	Cost of 1 cum				9492.44	
	Say				9492.45	

5.21 Extra for providing and fixing expanded metal mesh of size 20x60 mm and strands 3.25 mm wide 1.6 mm thick weighing 3.64 kg per sqm for encasing of rolled steel sections in beams, columns and grillages, excluding cost of hangers.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Deatail of cost for 10 sqm					
	MATERIAL					
	Expended metal 20 mm x 60 mm and 1.6 mm thick = 10 sqm					
	Wastage 5% = 0.5 sqm					
	Total =10.50 sqm					
1015	Mild steel expanded metal 20x60 mm strands	sqm	10.50	280.00	2940.00	
9977	Carriage of expended metal	L.S.	13.52	2.27	30.69	
9999	Wire for tieing	L.S.	13.52	2.27	30.69	
	Cost of bending and placing in position					
0102	Blacksmith 1st class	day	0.25	897.00	224.25	
0114	Beldar	day	0.25	736.00	184.00	
	TOTAL				3409.63	W
	Add 1 % Water charges on “W”				34.10	
	TOTAL				3443.73	X
	Add GST on “X” (multiplying factor 0.2127)				732.48	
	TOTAL				4176.21	Y
	Add 15% CPOH on “Y”				626.43	
	TOTAL				4802.64	Z
	Add Cess @ 1% on “Z”				48.03	
	Cost of 10 sqm				4850.67	
	Cost of 1 sqm.				485.07	
	Say				485.05	

5.22 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.

5.22.1 Mild steel and Medium Tensile steel bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Mild steel bars = 1.00 q					
	Wastage 5% = 0.05 q					
	Total = 1.05 q					
1004	Average rate of Mild steel round bars for reinforcements	quintal	1.05	5500.00	5775.00	
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For straightening, cutting, bending, binding and placing in position-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7528.11	W
	Add 1 % Water charges on “W”				75.28	
	TOTAL				7603.39	X
	Add GST on “X” (multiplying factor 0.2127)				1617.24	
	TOTAL				9220.63	Y
	Add 15% CPOH on “Y”				1383.09	
	TOTAL				10603.72	Z
	Add Cess @ 1% on “Z”				106.04	
	Cost of one quintal				10709.76	
	Cost of 1 Kg.				107.10	
	Say				107.10	

5.22.2 Hard drawn steel wire

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Hard drawn steel wire = 1.00 q					
	Wastage 5% = 0.05 q					
	Total = 1.05 q					
1224	Hard drawn steel wire	quintal	1.05	4800.00	5040.00	
2205	Carriage of Steel 1.05q = 0.105 tonne	tonne	0.105	0.00	0.00	
	LABOUR					
	For cutting and laying in position etc.-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				6734.09	W
	Add 1 % Water charges on “W”				67.34	
	TOTAL				6801.43	X
	Add GST on “X” (multiplying factor 0.2127)				1446.66	
	TOTAL				8248.09	Y
	Add 15% CPOH on “Y”				1237.21	
	TOTAL				9485.30	Z
	Add Cess @ 1% on “Z”				94.85	
	Cost of one quintal				9580.15	
	Cost of 1 Kg.				95.80	
	Say				95.80	

5.22.3 Cold twisted bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Deformed twisted steel bars = 1.00 q					
	Wastage 5% = 0.05 q					
	Total = 1.05q					
1005	Twisted steel / deformed bars	quintal	1.05	5550.00	5827.50	
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	LABOUR					
	For straightening, cutting, bending, binding and placing in position-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7580.61	W
	Add 1 % Water charges on “W”				75.81	
	TOTAL				7656.42	X
	Add GST on “X” (multiplying factor 0.2127)				1628.52	
	TOTAL				9284.94	Y
	Add 15% CPOH on “Y”				1392.74	
	TOTAL				10677.68	Z
	Add Cess @ 1% on “Z”				106.78	
	Cost of one quintal				10784.46	
	Cost of 1 Kg.				107.84	
	Say				107.85	

5.22.4 Hot rolled deformed bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Deformed twisted steel bars = 1.00 q					
	Wastage 5% = 0.05 q					
	Total = 1.05q					
1005	Twisted steel / deformed bars	quintal	1.05	5550.00	5827.50	
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For straightening, cutting, bending, binding and placing in position-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7580.61	W
	Add 1 % Water charges on “W”				75.81	
	TOTAL				7656.42	X
	Add GST on “X” (multiplying factor 0.2127)				1628.52	
	TOTAL				9284.94	Y
	Add 15% CPOH on “Y”				1392.74	
	TOTAL				10677.68	Z
	Add Cess @ 1% on “Z”				106.78	
	Cost of one quintal				10784.46	
	Cost of 1 Kg.				107.84	
	Say				107.85	

5.22.5 Hard drawn steel wire fabric

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Hard drawn steel wire fabric 100kg , 7.75kg per sqm = 12.903 sqm.					
	Add 5% wastage = 0.645 sqm.					
	Total =13.548 sqm					
1021	Hard drawn steel wire fabric	sqm	13.548	430.00	5825.64	
2205	Carriage 1.05q = 0.105 tonne	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For cutting and laying in position.					
0103	Blacksmith 2nd class	day	0.20	816.00	163.20	
0114	Beldar	day	1.50	736.00	1104.00	
9999	Sundries and binding wire	L.S.	13.52	2.27	30.69	
	TOTAL				7182.55	W
	Add 1 % Water charges on “W”				71.83	
	TOTAL				7254.38	X
	Add GST on “X” (multiplying factor 0.2127)				1543.01	
	TOTAL				8797.39	Y
	Add 15% CPOH on “Y”				1319.61	
	TOTAL				10117.00	Z
	Add Cess @ 1% on “Z”				101.17	
	Cost of one quintal				10218.17	
	Cost of 1 Kg.				102.18	
	Say				102.20	

5.22.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Deformed twisted steel bars = 1.00 q					
	Wastage 5% = 0.05 q					
	Total =1.05q					
1005	Twisted steel / deformed bars	quintal	1.05	5550.00	5827.50	
2205	Carriage of steel 1.05/10 = 0.105t	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For straightening, cutting, bending, binding and placing in position-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7580.61	W
	Add 1 % Water charges on “W”				75.81	
	TOTAL				7656.42	X
	Add GST on “X” (multiplying factor 0.2127)				1628.52	
	TOTAL				9284.94	Y
	Add 15% CPOH on “Y”				1392.74	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				10677.68	Z
	Add Cess @ 1% on “Z”				106.78	
	Cost of one quintal				10784.46	
	Cost of 1 Kg.				107.84	
	Say				107.85	

5.22A Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.

5.22A.1 Mild steel and Medium Tensile steel bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Mild steel bars = 1.00 q					
`	Wastage 5% = 0.05 q					
	Total = 1.05 q					
1004	Average rate of Mild steel round bars for reinforcements	quintal	1.05	5500.00	5775.00	
2205	Carriage of Steel NOS/ 10 = 0.105 t	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For straightening, cutting, bending, binding and placing in position-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7528.11	W
	Add 1 % Water charges on “W”				75.28	
	TOTAL				7603.39	X
	Add GST on “X” (multiplying factor 0.2127)				1617.24	
	TOTAL				9220.63	Y
	Add 15% CPOH on “Y”				1383.09	
	TOTAL				10603.72	Z
	Add Cess @ 1% on “Z”				106.04	
	Cost of one quintal				10709.76	
	Cost of 1 Kg.				107.10	
	Say				107.10	

5.22A.2 Hard drawn steel wire

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Hard drawn steel wire = 1.00 q					
	Wastage 5% = 0.05 q					
	Total = 1.05 q					
1224	Hard drawn steel wire	quintal	1.05	4800.00	5040.00	
2205	Carriage of Steel	tonne	0.105	0.00	0.00	
	LABOUR					
	For cutting and laying in position etc.-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				6734.09	W
	Add 1 % Water charges on “W”				67.34	
	TOTAL				6801.43	X
	Add GST on “X” (multiplying factor 0.2127)				1446.66	
	TOTAL				8248.09	Y
	Add 15% CPOH on “Y”				1237.21	
	TOTAL				9485.30	Z
	Add Cess @ 1% on “Z”				94.85	
	Cost of one quintal				9580.15	
	Cost of 1 Kg.				95.80	
	Say				95.80	

5.22A.3 Cold twisted bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Deformed twisted steel bars = 1.00 q					
	Wastage 5% = 0.05 q					
	Total = 1.05q					
1005	Twisted steel / deformed bars	quintal	1.05	5550.00	5827.50	
2205	Carriage of Steel	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For straightening, cutting, bending, binding and placing in position-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7580.61	W
	Add 1 % Water charges on “W”				75.81	
	TOTAL				7656.42	X
	Add GST on “X” (multiplying factor 0.2127)				1628.52	
	TOTAL				9284.94	Y
	Add 15% CPOH on “Y”				1392.74	
	TOTAL				10677.68	Z
	Add Cess @ 1% on “Z”				106.78	
	Cost of one quintal				10784.46	
	Cost of 1 Kg.				107.84	
	Say				107.85	

5.22A.4 Hot rolled deformed bars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Deformed twisted steel bars = 1.00 q					
	Wastage 5% = 0.05 q					
	Total = 1.05q					
1005	Twisted steel / deformed bars	quintal	1.05	5550.00	5827.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2205	Carriage of Steel	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For straightening, cutting, bending, binding and placing in position-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7580.61	W
	Add 1 % Water charges on “W”				75.81	
	TOTAL				7656.42	X
	Add GST on “X” (multiplying factor 0.2127)				1628.52	
	TOTAL				9284.94	Y
	Add 15% CPOH on “Y”				1392.74	
	TOTAL				10677.68	Z
	Add Cess @ 1% on “Z”				106.78	
	Cost of one quintal				10784.46	
	Cost of 1 Kg.				107.84	
	Say				107.85	

5.22A.5 Hard drawn steel wire fabric

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Hard drawn steel wire fabric 100kg,					
	7.75kg per sqm = 12.903 sqm.					
	Add 5% wastage					
	Total =13.548 sqm					
1021	Hard drawn steel wire fabric	sqm	13.548	430.00	5825.64	
2205	Carriage of Steel	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For cutting and laying in position.					
0103	Blacksmith 2nd class	day	0.20	816.00	163.20	
0114	Beldar	day	1.50	736.00	1104.00	
9999	Sundries and binding wire	L.S.	13.52	2.27	30.69	
	TOTAL				7182.55	W
	Add 1 % Water charges on “W”				71.83	
	TOTAL				7254.38	X
	Add GST on “X” (multiplying factor 0.2127)				1543.01	
	TOTAL				8797.39	Y
	Add 15% CPOH on “Y”				1319.61	
	TOTAL				10117.00	Z
	Add Cess @ 1% on “Z”				101.17	
	Cost of one quintal				10218.17	
	Cost of 1 Kg.				102.18	
	Say				102.20	

5.22A.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Deformed twisted steel bars = 1.00 q					
	Wastage 5% = 0.05 q					
	Total =1.05q					
1005	Twisted steel / deformed bars	quintal	1.05	5550.00	5827.50	
2205	Carriage of Steel	tonne	0.105	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
	For straightening, cutting, bending, binding and placing in position-					
0102	Blacksmith 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7580.61	W
	Add 1 % Water charges on “W”				75.81	
	TOTAL				7656.42	X
	Add GST on “X” (multiplying factor 0.2127)				1628.52	
	TOTAL				9284.94	Y
	Add 15% CPOH on “Y”				1392.74	
	TOTAL				10677.68	Z
	Add Cess @ 1% on “Z”				106.78	
	Cost of one quintal				10784.46	
	Cost of 1 Kg.				107.84	
	Say				107.85	

5.22B Steel reinforcement for R.C.C. work ready to use “cut and bend” rebars of approved make from factory/workshop to construction site including placing in position and binding all complete upto plinth level.

5.22B.1 Thermo-Mechanically Treated bars of grade Fe-500D or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Deformed twisted steel bars = 1.00 q					
1005	Twisted steel / deformed bars	quintal	1.00	5550.00	5550.00	
2205	Carriage of steel 1.0/10 = 0.1t	tonne	0.100	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
9999	For cut and bend	L.S.	156.00	2.27	354.12	
	For binding and placing in position					
0102	Blacksmith 1st class	day	0.60	897.00	538.20	
0114	Beldar	day	0.60	736.00	441.60	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7004.03	W
	Add 1 % Water charges				70.04	
	TOTAL				7074.07	X
	Add GST on “X” (multiplying factor 0.2127)				1504.65	
	TOTAL				8578.72	Y
	Add 15% CPOH on “Y”				1286.81	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				9865.53	Z
	Add Cess @1% on "Z"				98.66	
	Cost of one quintal				9964.19	
	Cost of 1 Kg.				99.64	
	Say				99.65	

5.22C **Steel reinforcement for R.C.C. work ready to use "cut and bend" rebars of approved make from**
5.22C.1 **factory/workshop to construction site including placing in position and binding all complete above plinth level.**

Thermo-Mechanically Treated bars of grade Fe-500D or more.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal-					
	MATERIAL					
	Deformed twisted steel bars = 1.00 q					
1005	Twisted steel / deformed bars	quintal	1.00	5550.00	5550.00	
2205	Carriage of steel 1.0/10 = 0.1t	tonne	0.100	0.00	0.00	
9999	Cover block	L.S.	26.00	2.27	59.02	
	LABOUR					
9999	For cut and bend	L.S.	156.00	2.27	354.12	
	For binding and placing in position					
0102	Blacksmith 1st class	day	0.60	897.00	538.20	
0114	Beldar	day	0.60	736.00	441.60	
9999	Sundries and binding wire	L.S.	26.91	2.27	61.09	
	TOTAL				7004.03	W
	Add 1 % Water charges				70.04	
	TOTAL				7074.07	X
	Add GST on "X" (multiplying factor 0.2127)				1504.65	
	TOTAL				8578.72	Y
	Add 15% CPOH on "Y"				1286.81	
	TOTAL				9865.53	Z
	Add Cess @1% on "Z"				98.66	
	Cost of one quintal				9964.19	
	Cost of 1 Kg.				99.64	
	Say				99.65	

5.23 **Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Cement mortar 1 : 3 (1 cement : 3 fine sand)					
3.3	Rate as per item No 3.3 of SH: Mortars	cum	0.072	4379.05	315.29	
0155	Mason (average)	day	0.51	857.00	437.07	
0115	Coolie	day	0.75	736.00	552.00	
0101	Bhisti	day	0.92	816.00	750.72	
9999	Extra for removing burrs, cleaning with wire brushes pock marking with pointed tool etc. complete	L.S.	13.39	2.27	30.40	
9999	Scaffolding and Sundries	L.S.	11.70	2.27	26.56	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				2112.04	W
	Add 1 % Water charges on “W”				21.12	
	TOTAL				2133.16	X
	Add GST on “X” (multiplying factor 0.2127)				453.72	
	TOTAL				2586.88	Y
	Add 15% CPOH on “Y”				388.03	
	TOTAL				2974.91	Z
	Add Cess @ 1% on “Z”				29.75	
	Cost of 10 Sqm.				3004.66	
	Cost per sqm.				300.47	
	Say				300.45	

5.24 Extra for rendering smooth the top of suspended floors, landings and staircases (treads and risers) with cement mortar 1:2 (1 cement : 2 coarse sand), including a floating coat of neat cement and protecting the surface with a layer of 7.5 cm of earth laid over 15 mm of fine sand in case of suspended floor and bricks laid in mud mortar in case of landings and steps, including subsequent removal and cleaning of the same.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100sqm.					
	MATERIAL					
	Cement mortar 1:2 (1 Cement :2 Coarse sand)					
3.7	Rate as per item No 3.7 of SH: Mortars	cum	0.300	5584.50	1675.35	
0367	Portland Cement	tonne	0.213	5156.00	1098.23	
2209	Carriage of Cement	tonne	0.213	0.00	0.00	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0124	Mason 2nd class	day	2.000	816.00	1632.00	
0114	Beldar	day	2.500	736.00	1840.00	
9999	Spreading earth on floor (7.5mm thick)	L.S.	354.900	2.27	805.62	
	Spreading sand 15mm thick on floor					
0983	Fine sand (zone IV)	cum	1.500	980.00	1470.00	
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.500	0.00	0.00	
9999	Disposal of earth spread over floor protec-tIron	L.S.	53.300	2.27	120.99	
9999	Sundries	L.S.	62.400	2.27	141.65	
	TOTAL				10577.84	W
	Add 1 % Water charges on “W”				105.78	
	TOTAL				10683.62	X
	Add GST on “X” (multiplying factor 0.2127)				2272.41	
	TOTAL				12956.03	Y
	Add 15% CPOH on “Y”				1943.40	
	TOTAL				14899.43	Z
	Add Cess @ 1% on “Z”				148.99	
	Cost of 100 Sqm.				15048.42	
	Cost per sqm.				150.48	
	Say				150.50	

5.25 Providing and fixing in position copper plate as per design for expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.56 kg Considering 3.0 m length, width 250mm and 1.6 mm thick = 0.750 sqm copper plate. Weight of copper plate @ 14.08 kg/m^2 = 10.56kg					
0967	Copper plate	kilo-gram	10.56	550.00	5808.00	
	LABOUR					
0103	Blacksmith 2nd class	day	0.25	816.00	204.00	
9999	Sundries	L.S.	6.24	2.27	14.16	
	TOTAL				6026.16	W
	Add 1 % Water charges on "W"				60.26	
	TOTAL				6086.42	X
	Add GST on "X" (multiplying factor 0.2127)				1294.58	
	TOTAL				7381.00	Y
	Add 15% CPOH on "Y"				1107.15	
	TOTAL				8488.15	Z
	Add Cess @ 1% on "Z"				84.88	
	Cost of 10.56 kg				8573.03	
	Cost per kg.				811.84	
	Say				811.85	

5.26 Providing and filling in position, blown bitumen in expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a joint of 300m length, 2.5cm width and 15cm depth = 1.125 cum Cubical content of joint- 300x0.025x0.150=1.125 cum.					
	MATERIAL					
	Bitumen 85/25 @ 1050kg per cum. 1.125x1050kg = 1181.25kg					
	Add wastage @ 5% = 59.06 kg. = 1240.31 = 1.240 tonne					
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	1.24	38250.00	47430.00	
2211	Carriage of Tar/ bitumen	tonne	1.24	0.00	0.00	
0370	Coal (steam)	quintal	2.480	500.00	1240.00	
	For heating of bitumen @ 2.0 quintal per tonne of bitumen. 1.240x2.0=2.48q=0.248t					
2200	Carriage of steam coal	tonne	0.248	0.00	0.00	
	LABOUR					
	Labour for heating, mixing and filling-					
0123	Mason 1st class	day	2.52	897.00	2260.44	
0124	Mason 2nd class	day	2.52	816.00	2056.32	
0114	Beldar	day	8.06	736.00	5932.16	
9999	Sundries	L.S.	121.16	2.27	275.03	
	TOTAL				59193.95	W
	Add 1 % Water charges on "W"				591.94	
	TOTAL				59785.89	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				12716.46	
	TOTAL				72502.35	Y
	Add 15% CPOH on "Y"				10875.35	
	TOTAL				83377.70	Z
	Add Cess @ 1% on "Z"				833.78	
	Cost for 1.125 cum				84211.48	
	cost for 1.00cum				74854.65	
	Say				74854.65	

5.27 Providing and filling in position bitumen mix filler of proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubic metre of coarse sand for expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. joint of 300m length,2.5cm width and 15cm depth = 11.25 cum					
	Cubical content of joints- 10x300x0.150x0.025=11.25cum.					
	MATERIAL					
	Bitumen S-90 = 256.30 kg per cum.					
	256.30x11.25 = 2883.4 kg.					
	Add for wastage @ 5% = 144.2 kg.					
	Total = 3027.6 kg. or = 3.03 tonne.					
0309	Paving bitumen VG-10 of approved quality	tonne	3.030	33530.00	101595.90	
2211	Carriage of Tar bitumen	tonne	3.030	0.00	0.00	
0370	Coal (steam) for heating of bitumen @ 2.0 quintal per tonne of bitumen, i.e. 0.3.03x2.0=6.06q	quintal	6.060	500.00	3030.00	
2200	Carriage of steam coal	tonne	0.610	0.00	0.00	
0367	Portland Cement 2883.4x1/80=36 kg = 0.036 Tonne	tonne	0.036	5156.00	185.62	
2209	Carriage of Cement	tonne	0.036	0.00	0.00	
0982	Coarse sand (zone III) 1/4th of the quantity of cement in kg = 36/4= 9 cum	cum	9.000	1450.00	13050.00	
2203	Carriage of Coarse sand	cum	9.000	0.00	0.00	
	LABOUR					
	Labour for heating and filling :					
0123	Mason 1st class	day	25.200	897.00	22604.40	
0124	Mason 2nd class	day	25.200	816.00	20563.20	
0114	Beldar	day	80.600	736.00	59321.60	
9999	Sundries	L.S.	1211.600	2.27	2750.33	
	TOTAL				223101.05	W
	Add 1 % Water charges on "W"				2231.01	
	TOTAL				225332.06	X
	Add GST on "X" (multiplying factor 0.2127)				47928.13	
	TOTAL				273260.19	Y
	Add 15% CPOH on "Y"				40989.03	
	TOTAL				314249.22	Z
	Add Cess @ 1% on "Z"				3142.49	
	Cost for 11.25 cum				317391.71	
	cost for 1.00cum				28212.60	
	Say				28212.60	

5.28 Providing and fixing in position 12mm thick bitumen impregnated fiber board conforming to IS: 1838, including cost of primer, sealing compound Grade-A in expansion joints.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for joint 100m long 10cm deep = 10 sqm					
	MATERIAL					
	(i) Impregnated fibre board 1x100x-0.075=7.5sqm					
0339	Flame retardent face insulating, Impregnated fibre board 12 mm thick	sqm	7.50	412.00	3090.00	
	(ii) Primer 80m/litter 100m=100/80 x1=1.25 lit					
0316	Bitumen solution primer of approved quality	litre	1.25	50.00	62.50	
	(iii) Sealing compound @ 3 m per litre for 100m = 100/3x1 =33.3 litres					
	Wastage @ 5% = 1.67					
	Total = 35.00 litre					
	(1 litre = 0.9 kg) = 35.00x0.9 = 31.5 kg					
0314	Bitumen hot sealing compound : grade A	kilo-gram	31.50	30.00	945.00	
9977	Carriage	L.S.	26.91	2.27	61.09	
	LABOUR					
0123	Mason 1st class	day	0.12	897.00	107.64	
0124	Mason 2nd class	day	0.12	816.00	97.92	
0114	Beldar	day	0.25	736.00	184.00	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				4609.24	W
	Add 1 % Water charges on “W”				46.09	
	TOTAL				4655.33	X
	Add GST on “X” (multiplying factor 0.2127)				990.19	
	TOTAL				5645.52	Y
	Add 15% CPOH on “Y”				846.83	
	TOTAL				6492.35	Z
	Add Cess @ 1% on “Z”				64.92	
	Cost for 100m long 10cm deep				6557.27	
	Cost per cm depth per 100m long				655.73	
	Say				655.75	

5.29 Providing and fixing sheet covering over expansion joints with iron screws as per design.

5.29.1 Non-asbestos 6 mm thick fibre cement board, Type-A, Category-III as per IS: 14862:2000

5.29.1.1 150mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3m length					
	MATERIAL					
0251	Non - Asbestos multi purpose fibre (high impact poly propelene reinforced) cement board 6mm thick Type-A, Category-III as per IS: 14862:2000 (3.00 x 0.15 = 0.45) + wast-age @ 5% = 0.47 sqm	sqm	0.470	244.00	114.68	
9999	Transportation of fibre cement sheet and accessories upto site	L.S.	0.460	2.27	1.04	
9999	50mm iron screws with washer and rawl plugs	L.S.	40.300	2.27	91.48	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0112	Carpenter 2nd class	day	0.200	816.00	163.20	
0114	Beldar	day	0.200	736.00	147.20	
	TOTAL				517.60	W
	Add 1 % Water charges on “W”				5.18	
	TOTAL				522.78	X
	Add GST on “X” (multiplying factor 0.2127)				111.20	
	TOTAL				633.98	Y
	Add 15% CPOH on “Y”				95.10	
	TOTAL				729.08	Z
	Add Cess @ 1% on “Z”				7.29	
	Cost for 3 metre				736.37	
	Cost per metre				245.46	
	Say				245.45	

5.29.1.2 200mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3m length					
	MATERIAL					
0251	Non - Asbestos multi purpose fibre (high impact poly propelene reinforced) cement board 6mm thick Type-A, Category-III as per IS: 14862:2000 (3 x 0.20 = 0.60) + wastage @ 5% = 0.63 sqm	sqm	0.630	244.00	153.72	
9999	Transportation of fibre cement sheet and accessories upto site 0.46x0.63/0.47=0.62	L.S.	0.620	2.27	1.41	
9999	50mm iron screws with washer and rawl plugs	L.S.	53.820	2.27	122.17	
	LABOUR					
0112	Carpenter 2nd class	day	0.270	816.00	220.32	
0114	Beldar	day	0.270	736.00	198.72	
	TOTAL				696.34	W
	Add 1 % Water charges on “W”				6.96	
	TOTAL				703.30	X
	Add GST on “X” (multiplying factor 0.2127)				149.59	
	TOTAL				852.89	Y
	Add 15% CPOH on “Y”				127.93	
	TOTAL				980.82	Z
	Add Cess @ 1% on “Z”				9.81	
	Cost for 3 metre				990.63	
	Cost per metre				330.21	
	Say				330.20	

5.29.2 Aluminium fluted strips 3.15 mm thick.

5.29.2.1 150 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 metre					
	MATERIAL					
2391	Strips-Aluminium fluted 3.15mm thick and 150mm wide	metre	1.00	286.00	286.00	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.06	42.00	2.52	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage of materials	L.S.	1.04	2.27	2.36	
	LABOUR					
0112	Carpenter 2nd class	day	0.067	816.00	54.67	
0114	Beldar	day	0.067	736.00	49.31	
9999	Sundries	L.S.	1.82	2.27	4.13	
	TOTAL				398.99	W
	Add 1 % Water charges on “W”				3.99	
	TOTAL				402.98	X
	Add GST on “X” (multiplying factor 0.2127)				85.71	
	TOTAL				488.69	Y
	Add 15% CPOH on “Y”				73.30	
	TOTAL				561.99	Z
	Add Cess @ 1% on “Z”				5.62	
	Cost for 1 metre				567.61	
	Say				567.60	

5.29.2.2 200 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 metre					
	MATERIAL					
2392	Strips Aluminium fluted 3.15mm thick and 200mm wide metre	metre	1.00	381.00	381.00	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.06	42.00	2.52	
9977	Carriage of materials	L.S.	1.30	2.27	2.95	
	LABOUR					
0112	Carpenter 2nd class	day	0.089	816.00	72.62	
0114	Beldar	day	0.089	736.00	65.50	
9999	Sundries	L.S.	2.34	2.27	5.31	
	TOTAL				529.90	W
	Add 1 % Water charges on “W”				5.30	
	TOTAL				535.20	X
	Add GST on “X” (multiplying factor 0.2127)				113.84	
	TOTAL				649.04	Y
	Add 15% CPOH on “Y”				97.36	
	TOTAL				746.40	Z
	Add Cess @ 1% on “Z”				7.46	
	Cost for 1 metre				753.86	
	Say				753.85	

5.29.3 Cement bonded wood particle board 6mm thick as per IS : 14276

5.29.3.1 150 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3 metre					
	MATERIAL:					
0242	Multi purpose cement bonded wood particle board 6 mm thick	sqm	0.47	210.00	98.70	
2273	Carriage of board and accessories 0.45 sqm = 0.005 tonne	tonne	0.005	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	50mm iron screws with washer and rawl plugs	L.S	40.30	2.27	91.48	
	LABOUR:					
0112	Carpenter 2nd class	day	0.20	816.00	163.20	
0114	Beldar	day	0.20	736.00	147.20	
	TOTAL				500.58	W
	Add 1 % Water charges on “W”				5.01	
	TOTAL				505.59	X
	Add GST on “X” (multiplying factor 0.2127)				107.54	
	TOTAL				613.13	Y
	Add 15% CPOH on “Y”				91.97	
	TOTAL				705.10	Z
	Add Cess @ 1% on “Z”				7.05	
	Cost of 3 metre				712.15	
	Cost of 1 metre				237.38	
	Say				237.40	

5.29.3.2 200 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3m length					
	MATERIAL:					
0242	Multi purpose cement bonded wood particle board 6 mm thick	sqm	0.63	210.00	132.30	
2273	Carriage of board and accessories 0.60 sqm = 0.007 tonne	tonne	0.007	0.00	0.00	
9999	50mm iron screws with washer and rawl plugs	L.S	53.82	2.27	122.17	
	LABOUR:					
0112	Carpenter 2nd class	day	0.27	816.00	220.32	
0114	Beldar	day	0.27	736.00	198.72	
	TOTAL				673.51	W
	Add 1 % Water charges on “W”				6.74	
	TOTAL				680.25	X
	Add GST on “X” (multiplying factor 0.2127)				144.69	
	TOTAL				824.94	Y
	Add 15% CPOH on “Y”				123.74	
	TOTAL				948.68	Z
	Add Cess @ 1% on “Z”				9.49	
	Cost of 3 metre				958.17	
	Cost of 1 metre				319.39	
	Say				319.40	

5.30 Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 30 metre long throating or plaster or moulding-					
	LABOUR					
0123	Mason 1st class	day	0.50	897.00	448.50	
0124	Mason 2nd class	day	0.50	816.00	408.00	
0115	Coolie	day	1.00	736.00	736.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Add for materials (cement mortar etc.)	L.S.	26.91	2.27	61.09	
	TOTAL				1653.59	W
	Add 1 % Water charges on “W”				16.54	
	TOTAL				1670.13	X
	Add GST on “X” (multiplying factor 0.2127)				355.24	
	TOTAL				2025.37	Y
	Add 15% CPOH on “Y”				303.81	
	TOTAL				2329.18	Z
	Add Cess @ 1% on “Z”				23.29	
	Cost for 30 metre				2352.47	
	Cost per metre				78.42	
	Say				78.40	

5.31 Extra for laying reinforced cement concrete in or under water and/ or liquid mud, including cost of pumping or bailing out water and removing slush etc., complete.

Note For Item No. 5.31:- The quantity will be calculated by multiplying the depth measured from the subsoil water level up to the centre of gravity of the R.C.C. under subsoil water with the quantity of R.C.C. in cubic metre executed under subsoil water. The depth of centre of gravity shall be reckoned correct to 0.1 m (0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored). No extra payment shall be made for placing reinforcement or centering & shuttering under sub - soil water conditions.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4.2 cum per 1 m depth (14 cum per 0.3m depth)					
	Quantity of concrete = 14 cum.					
	Analysis same as per item number 4.15					
	pumping hours = 3 hrs. or 0.375 day.					
0011	Hire charges of Pumpset of capacity 4000 litres/hour. for cleaning slush	day	0.375	800.00	300.00	
0114	Beldar	day	4.00	736.00	2944.00	
	TOTAL				3244.00	W
	Add 1 % Water charges on “W”				32.44	
	TOTAL				3276.44	X
	Add GST on “X” (multiplying factor 0.2127)				696.90	
	TOTAL				3973.34	Y
	Add 15% CPOH on “Y”				596.00	
	TOTAL				4569.34	Z
	Add Cess @ 1% on “Z”				45.69	
	Cost of 4.2cum per 1 metre depth				4615.03	
	Cost of cum per metre depth				1098.82	
	Say				1098.80	

5.32 Extra for laying reinforced cement concrete in or under foul positions.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for depth of water 0.30m.					
	Details of cost for 1 cum.					
	ANALYSIS SAME AS ITEM NO 4.16					
	Extra labour due to slow progress-					
0123	Mason 1st class	day	0.02	897.00	17.94	
0124	Mason 2nd class	day	0.02	816.00	16.32	
0114	Beldar	day	0.25	736.00	184.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	0.15	736.00	110.40	
	TOTAL				328.66	W
	Add 1 % Water charges on "W"				3.29	
	TOTAL				331.95	X
	Add GST on "X" (multiplying factor 0.2127)				70.61	
	TOTAL				402.56	Y
	Add 15% CPOH on "Y"				60.38	
	TOTAL				462.94	Z
	Add Cess @ 1% on "Z"				4.63	
	Cost for 1 cum.				467.57	
	Say				467.55	

5.33 Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.

Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.

5.33.1 All works upto plinth level

5.33.1.1 Concrete of M25 grade with minimum cement content of 330 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.33	5156.00	1701.48	
2209	Carriage of Cement	tonne	0.33	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilogram	1.65	30.00	49.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	
	LABOUR					
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6681.08	W
	Add 1 % Water charges on “W”				66.81	
	TOTAL				6747.89	X
	Add GST on “X” (multiplying factor 0.2127)				1435.28	
	TOTAL				8183.17	Y
	Add 15% CPOH on “Y”				1227.48	
	TOTAL				9410.65	Z
	Add Cess @ 1% on “Z”				94.11	
	Cost per 1.00 cum				9504.76	
	Say				9504.75	

5.33.1.2 Concrete of M30 grade with minimum cement content of 350 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.35	5156.00	1804.60	
2209	Carriage of Cement	tonne	0.35	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilo-gram	1.75	30.00	52.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	
	LABOUR					
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6787.20	W
	Add 1 % Water charges on “W”				67.87	
	TOTAL				6855.07	X
	Add GST on “X” (multiplying factor 0.2127)				1458.07	
	TOTAL				8313.14	Y
	Add 15% CPOH on “Y”				1246.97	
	TOTAL				9560.11	Z
	Add Cess @ 1% on “Z”				95.60	
	Cost per 1.00 cum				9655.71	
	Say				9655.70	

5.33.1.3 Concrete of M35 grade with minimum cement content of 370 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.37	5156.00	1907.72	
2209	Carriage of Cement	tonne	0.37	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilogram	1.85	30.00	55.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	
	LABOUR					
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6893.32	W
	Add 1 % Water charges on “W”				68.93	
	TOTAL				6962.25	X
	Add GST on “X” (multiplying factor 0.2127)				1480.87	
	TOTAL				8443.12	Y
	Add 15% CPOH on “Y”				1266.47	
	TOTAL				9709.59	Z
	Add Cess @ 1% on “Z”				97.10	
	Cost per 1.00 cum				9806.69	
	Say				9806.70	

5.33.1.4 Concrete of M40 grade with minimum cement content of 390 kg/cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.39	5156.00	2010.84	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2209	Carriage of Cement	tonne	0.39	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilogram	1.95	30.00	58.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	
	LABOUR					
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6999.44	W
	Add 1 % Water charges on “W”				69.99	
	TOTAL				7069.43	X
	Add GST on “X” (multiplying factor 0.2127)				1503.67	
	TOTAL				8573.10	Y
	Add 15% CPOH on “Y”				1285.97	
	TOTAL				9859.07	Z
	Add Cess @ 1% on “Z”				98.59	
	Cost per 1.00 cum				9957.66	
	Say				9957.65	

5.33.1.5 Concrete of M50 grade with minimum cement content of 410 kg/cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.41	5156.00	2113.96	
2209	Carriage of Cement	tonne	0.41	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilogram	2.05	30.00	61.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	
	LABOUR					
	Labour for pouring, consolidating & curing					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				7105.56	W
	Add 1 % Water charges on “W”				71.06	
	TOTAL				7176.62	X
	Add GST on “X” (multiplying factor 0.2127)				1526.47	
	TOTAL				8703.09	Y
	Add 15% CPOH on “Y”				1305.46	
	TOTAL				10008.55	Z
	Add Cess @ 1% on “Z”				100.09	
	Cost per 1.00 cum				10108.64	
	Say				10108.65	

5.33.2 All works above plinth level upto floor V level

5.33.2.1 Concrete of M25 grade with minimum cement content of 330 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.33	5156.00	1701.48	
2209	Carriage of Cement	tonne	0.33	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilo-gram	1.65	30.00	49.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6931.08	W
	Add 1 % Water charges on “W”				69.31	
	TOTAL				7000.39	X
	Add GST on “X” (multiplying factor 0.2127)				1488.98	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				8489.37	Y
	Add 15% CPOH on "Y"				1273.41	
	TOTAL				9762.78	Z
	Add Cess @ 1% on "Z"				97.63	
	Cost per 1.00 cum				9860.41	
	Say				9860.40	

5.33.2.2 Concrete of M30 grade with minimum cement content of 350 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.35	5156.00	1804.60	
2209	Carriage of Cement	tonne	0.35	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilogram	1.75	30.00	52.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				7037.20	W
	Add 1 % Water charges on "W"				70.37	
	TOTAL				7107.57	X
	Add GST on "X" (multiplying factor 0.2127)				1511.78	
	TOTAL				8619.35	Y
	Add 15% CPOH on "Y"				1292.90	
	TOTAL				9912.25	Z
	Add Cess @ 1% on "Z"				99.12	
	Cost per 1.00 cum				10011.37	
	Say				10011.35	

5.33.2.3 Concrete of M35 grade with minimum cement content of 370 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.37	5156.00	1907.72	
2209	Carriage of Cement	tonne	0.37	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilogram	1.85	30.00	55.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				7143.32	W
	Add 1 % Water charges on “W”				71.43	
	TOTAL				7214.75	X
	Add GST on “X” (multiplying factor 0.2127)				1534.58	
	TOTAL				8749.33	Y
	Add 15% CPOH on “Y”				1312.40	
	TOTAL				10061.73	Z
	Add Cess @ 1% on “Z”				100.62	
	Cost per 1.00 cum				10162.35	
	Say				10162.35	

5.33.2.4 Concrete of M40 grade with minimum cement content of 390 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.39	5156.00	2010.84	
2209	Carriage of Cement	tonne	0.39	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilogram	1.95	30.00	58.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				7249.44	W
	Add 1 % Water charges on “W”				72.49	
	TOTAL				7321.93	X
	Add GST on “X” (multiplying factor 0.2127)				1557.37	
	TOTAL				8879.30	Y
	Add 15% CPOH on “Y”				1331.90	
	TOTAL				10211.20	Z
	Add Cess @ 1% on “Z”				102.11	
	Cost per 1.00 cum				10313.31	
	Say				10313.30	

5.33.2.5 Concrete of M50 grade with minimum cement content of 410 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.57	1425.00	812.25	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1400.00	392.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.425	1450.00	616.25	
2203	Carriage of Coarse sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.41	5156.00	2113.96	
2209	Carriage of Cement	tonne	0.41	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilogram	2.05	30.00	61.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant / ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	P
	Labour for pouring, consolidating & curing					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				7355.56	W
	Add 1 % Water charges on “W”				73.56	
	TOTAL				7429.12	X
	Add GST on “X” (multiplying factor 0.2127)				1580.17	
	TOTAL				9009.29	Y
	Add 15% CPOH on “Y”				1351.39	
	TOTAL				10360.68	Z
	Add Cess @ 1% on “Z”				103.61	
	Cost per 1.00 cum				10464.29	
	Say				10464.30	

5.33A Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources and using recycled concrete aggregate (RCA) as coarse aggregate and fine aggregate within permissible utilization of 20% each, Portland Pozzolana /Ordinary Portland/Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.

Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.

5.33A.1 All works upto plinth level

5.33A.1.1 Concrete of M25 grade with minimum cement content of 330 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.456	1425.00	649.80	
0279	Recycled concrete aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.224	1400.00	313.60	
0281	Recycled concrete aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59	
2202	Carriage of Stone aggregate including recycled concrete aggregate (RCA) below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III) derived from natural source	cum	0.34	1450.00	493.00	
0278	Manufactured sand derived from recycled concrete aggregate	cum	0.085	957.00	81.35	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.33	5156.00	1701.48	
2209	Carriage of Cement	tonne	0.33	0.00	0.00	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilo-gram	1.65	30.00	49.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant/ ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	
	LABOUR					
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				6561.02	W
	Add 1 % Water charges on “W”				65.61	
	TOTAL				6626.63	X
	Add GST on “X” (multiplying factor 0.2127)				1409.48	
	TOTAL				8036.11	Y
	Add 15% CPOH on “Y”				1205.42	
	TOTAL				9241.53	Z
	Add Cess @ 1% on “Z”				92.42	
	Cost per 1.00 cum				9333.95	
	Say				9333.95	

5.33A.2 All works above plinth level up to floor V level

5.33A.2.1 Concrete of M25 grade with minimum cement content of 330 kg /cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 cum					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.456	1425.00	649.80	
0279	Recycled concrete aggregate (RCA) 20 mm nominal size	cum	0.114	957.00	109.10	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.224	1400.00	313.60	
0281	Recycled concrete aggregate (RCA) 10 mm nominal size	cum	0.056	957.00	53.59	
2202	Carriage of Stone aggregate including recycled concrete aggregate (RCA) below 40 mm nominal size	cum	0.85	0.00	0.00	
0982	Coarse sand (zone III) derived from natural source	cum	0.34	1450.00	493.00	
0278	Manufactured sand derived from recycled concrete aggregate	cum	0.085	957.00	81.35	
2203	Carriage of Coarse sand including manufactured sand	cum	0.425	0.00	0.00	
0367	Ordinary/Pozzolana/Slag Cement	tonne	0.33	5156.00	1701.48	
2209	Carriage of Cement	tonne	0.33	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7318	Plasticizer / super plasticizer(0.50% of cement)	kilo-gram	1.65	30.00	49.50	
	Production cost, pumping to respective floors and laying in position					
0004	Production cost of concrete by batch mix plant/ ready mixed plant.	cum	1.00	450.00	450.00	
0009	Pumping charges of concrete including hire charges of pump, carriage charges for all leads,piping work & accessories etc.	cum	1.00	250.00	250.00	P
	LABOUR					
	Labour for pouring, consolidating & curing					
0155	Mason (average)	day	0.17	857.00	145.69	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.90	816.00	734.40	
0012	Vibrator(Needle type 40mm)	day	0.07	400.00	28.00	
9999	Sundries	L.S.	13.00	2.27	29.51	
	Extra cost of additional piping work and accessories etc. upto floor V level = 100% of P				250.00	
	TOTAL				6811.02	W
	Add 1 % Water charges on “W”				68.11	
	TOTAL				6879.13	X
	Add GST on “X” (multiplying factor 0.2127)				1463.19	
	TOTAL				8342.32	Y
	Add 15% CPOH on “Y”				1251.35	
	TOTAL				9593.67	Z
	Add Cess @ 1% on “Z”				95.94	
	Cost per 1.00 cum				9689.61	
	Say				9689.60	

5.35 Add for using extra cement in the items of design mix over and above the specified cement content therein.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 quintal					
0367	Portland Cement	tonne	0.10	5156.00	515.60	
2209	Carriage of Cement	tonne	0.10	0.00	0.00	
	TOTAL				515.60	W
	Add 1 % Water charges on “W”				5.16	
	TOTAL				520.76	X
	Add GST on “X” (multiplying factor 0.2127)				110.77	
	TOTAL				631.53	Y
	Add 15% CPOH on “Y”				94.73	
	TOTAL				726.26	Z
	Add Cess @ 1% on “Z”				7.26	
	Cost per quintal				733.52	
	Say				733.50	

5.36 Providing and placing in position precast reinforced cement concrete waffle units, square or rectangular, as per design and shape for floors and roofs in 1:1½:3 (1 Cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 10 mm nominal size derived from natural sources), including flush or deep ruled pointing at joints in Cement mortar 1:2 (1 Cement : 2 Fine sand), making necessary holes of required sizes for carrying through service lines etc., providing steel hooks for lifting etc, form work in precasting, handling, hoisting, centering and erection complete for all floor levels but, excluding the cost of reinforcement.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.38 cum					
	Consider a waffle 09. x 0.9 x 0.3m					
	Total area covered 4.548x3.636 = 16.54 sqm.					
	Cement concrete in 1 unit					
	Top 0.8x0.8x0.035 = 0.0224					
	Sides 2(0.8x0.265x0.0325) = 0.0138					
	2(0.735x0.265x0.0325) = 0.0127					
	Total = 0.0489					
	Flange 4x0.85x0.05x0.035 = 0.0060					
	Total = 0.0549					
	Add for Fillets 25% = 0.0137					
	Total = 0.069 cum.					
	Quantity for 20 such units = 1.38 cum.					
5.2.2	Rate as per item no 5.2.2 of SH : RCC	cum	1.38	10852.95	14977.07	A
	(i) Shuttering and centring					
	Face in contact					
	4x0.8x0.265 = 0.848					
	Inner 4x0.735x0.265 = 0.779					
	Top (inside) 1x0.735x0.735 = 0.540					
	Flange 4x0.9x0.035 = 0.126					
	Total = 2.293 sqm.					
	Quantity 20 such units 45.86 sqm.					
5.9.15	Rate as per item no 5.9.15 of SH : RCC	sqm	45.86	392.15	17984.00	A
	Hooks for lifting					
	2x1.5 = 3.0m					
	4x0.01 = 0.04m					
	Total = 3.04m					
	@ 3kg per m-9.12Kg or 0.009 t = 9 kg					
10.2	Rate as per item no 10.2 of SH : Steel work	kg	9.00	133.70	1203.30	A
9988	(iii) 10mm dia. Bolts 60mm long with nuts and washers 2x2 = 4 Nos. including carriage of bolts	L.S.	13.00	2.27	29.51	
9999	Sundries	L.S.	79.95	2.27	181.49	
	(iv) Transportation and erection labour for 20 units					
0126	Mason (for ornamental stone work) 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	6.00	736.00	4416.00	
	(v) Cost of poining flush or deep ruled in cement mortar 1:2 (1 Cement : 2 fine sand)					
13.35.1	Rate as per item no 13.35.1 of SH : Finishing	sqm	16.54	214.20	3542.87	A
	TOTAL				43231.24	W
	Add 1 % Water charges on “W-A”				55.24	
	TOTAL				43286.48	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X-A" (multiplying factor 0.2127)				1186.70	
	TOTAL				44473.18	Y
	Add 15% CPOH on "Y-A"				1014.89	
	TOTAL				45488.07	Z
	Add Cess @ 1% on "Z-A"				77.81	
	Total for 20 units				45565.88	
	Cost for 1.38 cum.				45565.88	
	Cost for 1 cum.				33018.75	
	Say				33018.75	

5.36A Providing and placing in position precast reinforced cement concrete waffle units, square or rectangular as per design and shape for floors and roofs in 1:1.5:3 (1 cement : 1.5 coarse sand incuding manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 10 mm nominal size including Recycled Concrete Aggregate (RCA) upto 20%), including flush or deep ruled pointing at joints in cement mortar 1:2 (1 cement : 2 Fine sand), making necessary holes of required sizes for carrying through service lines etc., providing steel hooks for lifting etc, form work in precasting, handling, hoisting, centering and erection complete for all floor levels but excluding the cost of reinforcement.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.38 cum					
	Consider a waffle 0.9 x 0.9 x 0.3m					
	Total area covered 4.548 x 3.636 = 16.54 sqm.					
	Cement concrete in 1unit					
	Top 0.8 x 0.8 x 0.035 = 0.0224					
	sides 2(0.8 x 0.265 x 0.0325) = 0.01382					
	(0.735 x 0.265 x 0.0325) = 0.0127					
	Total = 0.0489					
	Flange 4 x 0.85 x 0.05 x 0.035 = 0.0060					
	Total = 0.0549					
	Add for Fillets 25% = 0.0137					
	Total = 0.069 cum.					
	Quantity for 20 such units = 1.38 cum					
5.2.2A	Rate as per Item Number 5.2.2A of SH: Reinforced cement concrete work	cum	1.38	10682.15	14741.37	A
	(i) Shuttering and centring					
	Face in contact					
	4 x 0.8 x 0.265 = 0.848					
	Inner 4 x 0.735 x 0.265 = 0.779					
	Top (inside) 1 x 0.735 x 0.735 = 0.540					
	Flange 4 x 0.9 x 0.035 = 0.126					
	Total = 2.293 sqm.					
	Quantity 20 such units 45.86 sqm					
5.9.15	Rate as per Item Number 5.9.15 of SH: Reinforced cement concrete work	sqm	45.86	392.15	17984.00	A
	Hooks for lifting					
	2 x 1.5 = 3.0 m					
	4 x 0.01 = 0.04 m = 3.04 m @ 3 kg per m					
	9.12 kg or 0.009 t					
	(ii) 10 mm dia. Bolts 60 mm long with nuts and washers 2 x 2 = 4Nos					
10.2	Rate as per Item Number 10.2 of SH: Steel work	kg	9.00	133.70	1203.30	A
9999	Including carriage of bolts	L.S.	13.00	2.27	29.51	
9999	Sundries	L.S.	79.95	2.27	181.49	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	(iv) Transportation and erection labour for 20 units					
0126	Mason (for ornamental stone work) 1 st class	day	1.00	897.00	897.00	
0114	Beldar	day	6.00	736.00	4416.00	
	(v) Cost of pointing flush or deep ruled in cement mortar 1:2 (1 Cement : 2 fine sand)					
13.35.1	Rate as per Item Number 13.35.1 of SH: Finishing	sqm	16.54	214.20	3542.87	A
	Total				42995.54	W
	Add 1 % Water charges on “W-A”				55.24	
	TOTAL				43050.78	X
	Add GST on “X-A” (multiplying factor 0.2127)				1186.70	
	TOTAL				44237.48	Y
	Add 15% CPOH on “Y-A”				1014.89	
	TOTAL				45252.37	Z
	Add Cess @ 1% on “Z-A”				77.81	
	Cost of 1.38 cum				45330.18	
	Cost of 1 cum				32847.96	
	Say				32847.95	

5.38 Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc	cum	1.00	250.00	250.00	
	TOTAL				250.00	W
	Add 1 % Water charges on “W”				2.50	
	TOTAL				252.50	X
	Add GST on “X” (multiplying factor 0.2127)				53.71	
	TOTAL				306.21	Y
	Add 15% CPOH on “Y”				45.93	
	TOTAL				352.14	Z
	Add Cess @ 1% on “Z”				3.52	
	Cost for 1 cum				355.66	
	Say				355.65	

5.41 Supplying and applying pre tested and approved water based concrete curing compound to
5.41.1 concrete/ masonry surface, all as per manufacturer’s specification and direction of Engineer-in-charge.

Non pigmented wet curing compound

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10.00 sqm (covering area 5 sqm/litre)					
	MATERIAL					
0349	Curing compound	litre	2.00	41.00	82.00	
9977	Carriage of material	L.S.	1.00	2.27	2.27	
	LABOUR					
0131	Painter	day	0.33	816.00	269.28	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.17	736.00	125.12	
9999	Sundries, Brush	L.S.	3.00	2.27	6.81	
	TOTAL				485.48	W
	Add 1 % Water charges on “W”				4.85	
	TOTAL				490.33	X
	Add GST on “X” (multiplying factor 0.2127)				104.29	
	TOTAL				594.62	Y
	Add 15% CPOH on “Y”				89.19	
	TOTAL				683.81	Z
	Add Cess @ 1% on “Z”				6.84	
	Cost of 10 sqm				690.65	
	Cost of 1 sqm				69.07	
	Say				69.05	

5.42 Providing and fixing parallel threaded couplers conforming to IS code on “Reinforcement Couplers for Mechanical Splices of Bars for Concrete Reinforcement - Specification”, to reinforcement bars including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer- in-Charge.

5.42.1 Coupler for 16 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 Nos					
	MATERIAL					
2394	Coupler 16 mm dia	each	1.00	32.00	32.00	
	LABOUR					
9999	For placing in position and fixing	L.S.	3.77	2.27	8.56	
9999	Tapard/Parallel threading charges	L.S.	17.77	2.27	40.34	
	TOTAL				80.90	W
	Add 1 % Water charges on “W”				0.81	
	TOTAL				81.71	X
	Add GST on “X” (multiplying factor 0.2127)				17.38	
	TOTAL				99.09	Y
	Add 15% CPOH on “Y”				14.86	
	TOTAL				113.95	Z
	Add Cess @ 1% on “Z”				1.14	
	Cost of 1 no				115.09	
	Say				115.10	

5.42.2 Coupler for 20 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 Nos					
	MATERIAL					
2395	Coupler 20 mm dia	each	1.00	42.00	42.00	
	LABOUR					
9999	For placing in position and fixing	L.S.	5.90	2.27	13.39	
9999	Tapard/Parallel threading charges	L.S.	25.17	2.27	57.14	
	TOTAL				112.53	W
	Add 1 % Water charges on “W”				1.13	
	TOTAL				113.66	X
	Add GST on “X” (multiplying factor 0.2127)				24.18	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				137.84	Y
	Add 15% CPOH on “Y”				20.68	
	TOTAL				158.52	Z
	Add Cess @ 1% on “Z”				1.59	
	Cost of 1 no				160.11	
	Say				160.10	

5.42.3 Coupler for 25 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 Nos					
	MATERIAL					
2396	Coupler 25 mm dia	each	1.00	74.00	74.00	
	LABOUR					
9999	For placing in position and fixing	L.S.	8.69	2.27	19.73	
9999	Tapard/Parallel threading charges	L.S.	29.61	2.27	67.21	
	TOTAL				160.94	W
	Add 1 % Water charges on “W”				1.61	
	TOTAL				162.55	X
	Add GST on “X” (multiplying factor 0.2127)				34.57	
	TOTAL				197.12	Y
	Add 15% CPOH on “Y”				29.57	
	TOTAL				226.69	Z
	Add Cess @ 1% on “Z”				2.27	
	Cost of 1 no				228.96	
	Say				228.95	

5.42.4 Coupler for 28 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 Nos					
	MATERIAL					
2397	Coupler 28 mm dia	each	1.00	85.00	85.00	
	LABOUR					
9999	For placing in position and fixing	L.S.	12.84	2.27	29.15	
9999	Tapard/Parallel threading charges	L.S.	32.57	2.27	73.93	
	TOTAL				188.08	W
	Add 1 % Water charges on “W”				1.88	
	TOTAL				189.96	X
	Add GST on “X” (multiplying factor 0.2127)				40.40	
	TOTAL				230.36	Y
	Add 15% CPOH on “Y”				34.55	
	TOTAL				264.91	Z
	Add Cess @ 1% on “Z”				2.65	
	Cost of 1 no				267.56	
	Say				267.55	

5.42.5 Coupler for 32 mm diameter reinforcement bar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 Nos					
	MATERIAL					
2398	Coupler 32 mm dia	each	1.00	115.00	115.00	
	LABOUR					
9999	For placing in position and fixing	L.S.	15.48	2.27	35.14	
9999	Tapard/Parallel threading charges	L.S.	32.57	2.27	73.93	
	TOTAL				224.07	W
	Add 1 % Water charges on “W”				2.24	
	TOTAL				226.31	X
	Add GST on “X” (multiplying factor 0.2127)				48.14	
	TOTAL				274.45	Y
	Add 15% CPOH on “Y”				41.17	
	TOTAL				315.62	Z
	Add Cess @ 1% on “Z”				3.16	
	Cost of 1 no				318.78	
	Say				318.80	

5.43 Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm thick as per design for expansion joints.

5.43.1 200 mm wide.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 metre					
	MATERIAL					
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	1.60	306.00	489.60	
8647	Stainless steal screws 30mm x4mm.	100 nos	0.06	42.00	2.52	
9977	Carriage of material	L.S.	1.30	2.27	2.95	
	LABOUR					
0103	Blacksmith 2nd class	day	0.067	816.00	54.67	
0114	Beldar	day	0.067	736.00	49.31	
9999	Sundries	L.S.	2.34	2.27	5.31	
	TOTAL				604.36	W
	Add 1 % Water charges on “W”				6.04	
	TOTAL				610.40	X
	Add GST on “X” (multiplying factor 0.2127)				129.83	
	TOTAL				740.23	Y
	Add 15% CPOH on “Y”				111.03	
	TOTAL				851.26	Z
	Add Cess @ 1% on “Z”				8.51	
	Cost of 1 metre				859.77	
	Say				859.75	

5.43.2 300 mm wide.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 metre					
	MATERIAL					
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	2.40	306.00	734.40	
8647	Stainless steal screws 30mm x4mm.	100 nos	0.06	42.00	2.52	
9977	Carriage of material	L.S.	1.30	2.27	2.95	
	LABOUR					
0103	Blacksmith 2nd class	day	0.067	816.00	54.67	
0114	Beldar	day	0.067	736.00	49.31	
9999	Sundries	L.S.	2.34	2.27	5.31	
	TOTAL				849.16	W
	Add 1 % Water charges on “W”				8.49	
	TOTAL				857.65	X
	Add GST on “X” (multiplying factor 0.2127)				182.42	
	TOTAL				1040.07	Y
	Add 15% CPOH on “Y”				156.01	
	TOTAL				1196.08	Z
	Add Cess @ 1% on “Z”				11.96	
	Cost of 1 metre				1208.04	
	Say				1208.05	

5.44 Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical localtion in load application areas that accommodates multi directional seismic movement without stress to it’s components. System shall consist of metal profiles with an universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer’s pre-engineered self- centering arrangement that freely rotates / moves in all directions. The Self - centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge. (Material shall conform to ASTM 6063).

5.44.1 Floor Joint of 100 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2403	Floor Joint of 100 mm	metre	1.00	3285.00	3285.00	
2402	Epoxy adhesive	kg	4.25	160.00	680.00	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				4493.47	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				44.93	
	TOTAL				4538.40	X
	Add GST on “X” (multiplying factor 0.2127)				965.32	
	TOTAL				5503.72	Y
	Add 15% CPOH on “Y”				825.56	
	TOTAL				6329.28	Z
	Add Cess @ 1% on “Z”				63.29	
	Cost of 1 metre.				6392.57	
	Say				6392.55	

5.44.2 Floor Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2404	Floor Joint of 150 mm	metre	1.00	4243.00	4243.00	
2402	Epoxy adhesive	kg	4.50	160.00	720.00	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				5491.47	W
	Add 1 % Water charges on “W”				54.91	
	TOTAL				5546.38	X
	Add GST on “X” (multiplying factor 0.2127)				1179.72	
	TOTAL				6726.10	Y
	Add 15% CPOH on “Y”				1008.92	
	TOTAL				7735.02	Z
	Add Cess @ 1% on “Z”				77.35	
	Cost of 1 metre.				7812.37	
	Say				7812.35	

5.44.3 Floor Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2405	Floor Joint of 200 mm	metre	1.00	5673.00	5673.00	
2402	Epoxy adhesive	kg	4.75	160.00	760.00	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				6961.47	W
	Add 1 % Water charges on “W”				69.61	
	TOTAL				7031.08	X
	Add GST on “X” (multiplying factor 0.2127)				1495.51	
	TOTAL				8526.59	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				1278.99	
	TOTAL				9805.58	Z
	Add Cess @ 1% on "Z"				98.06	
	Cost of 1 metre.				9903.64	
	Say				9903.65	

5.45 Providing and fixing of expansion joint system related with wall joint (internal/external) location as per drawings and direction of Engineer-In- Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221-02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall conform to ASTM 6063).

5.45.1 Wall Joint of 100 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2409	Wall Joint of 100 mm	metre	1.00	2521.00	2521.00	
2402	Epoxy adhesive	kg	4.25	160.00	680.00	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				3729.47	W
	Add 1 % Water charges on "W"				37.29	
	TOTAL				3766.76	X
	Add GST on "X" (multiplying factor 0.2127)				801.19	
	TOTAL				4567.95	Y
	Add 15% CPOH on "Y"				685.19	
	TOTAL				5253.14	Z
	Add Cess @ 1% on "Z"				52.53	
	Cost of 1 metre.				5305.67	
	Say				5305.65	

5.45.2 Wall Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2410	Wall Joint of 150 mm	metre	1.00	2956.00	2956.00	
2402	Epoxy adhesive	kg	4.50	160.00	720.00	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				4204.47	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				42.04	
	TOTAL				4246.51	X
	Add GST on “X” (multiplying factor 0.2127)				903.23	
	TOTAL				5149.74	Y
	Add 15% CPOH on “Y”				772.46	
	TOTAL				5922.20	Z
	Add Cess @ 1% on “Z”				59.22	
	Cost of 1 metre.				5981.42	
	Say				5981.40	

5.45.3 Wall Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2411	Wall Joint of 200 mm	metre	1.00	3554.00	3554.00	
2402	Epoxy adhesive	kg	4.75	160.00	760.00	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				4842.47	W
	Add 1 % Water charges on “W”				48.42	
	TOTAL				4890.89	X
	Add GST on “X” (multiplying factor 0.2127)				1040.29	
	TOTAL				5931.18	Y
	Add 15% CPOH on “Y”				889.68	
	TOTAL				6820.86	Z
	Add Cess @ 1% on “Z”				68.21	
	Cost of 1 metre.				6889.07	
	Say				6889.05	

5.46 Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arragement support plates as per ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates an universal aluminum base member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer’s pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement.

The Joint System shall resists damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. (Material shall conform to ASTM 6063).

5.46.1 Roof Joint of 100 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2399	Complete Roof Joint of 100 mm	metre	1.00	2999.00	2999.00	
2402	Epoxy adhesive	kg	4.25	160.00	680.00	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				4207.47	W
	Add 1 % Water charges on “W”				42.07	
	TOTAL				4249.54	X
	Add GST on “X” (multiplying factor 0.2127)				903.88	
	TOTAL				5153.42	Y
	Add 15% CPOH on “Y”				773.01	
	TOTAL				5926.43	Z
	Add Cess @ 1% on “Z”				59.26	
	Cost of 1 metre.				5985.69	
	Say				5985.70	

5.46.2 Roof Joint of 150 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2400	Complete Roof Joint of 150 mm	metre	1.00	3461.00	3461.00	
2402	Epoxy adhesive	kg	4.50	160.00	720.00	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				4709.47	W
	Add 1 % Water charges on “W”				47.09	
	TOTAL				4756.56	X
	Add GST on “X” (multiplying factor 0.2127)				1011.72	
	TOTAL				5768.28	Y
	Add 15% CPOH on “Y”				865.24	
	TOTAL				6633.52	Z
	Add Cess @ 1% on “Z”				66.34	
	Cost of 1 metre.				6699.86	
	Say				6699.85	

5.46.3 Roof Joint of 200 mm gap

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost of 1 metre.					
	MATERIALS :					
2401	Complete Roof Joint of 200 mm	metre	1.00	4284.00	4284.00	
2402	Epoxy adhesive	kg	4.75	160.00	760.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage	L.S.	124.90	2.27	283.52	
	LABOUR :					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0123	Mason 1st class	day	0.10	897.00	89.70	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				5572.47	W
	Add 1 % Water charges on “W”				55.72	
	TOTAL				5628.19	X
	Add GST on “X” (multiplying factor 0.2127)				1197.12	
	TOTAL				6825.31	Y
	Add 15% CPOH on “Y”				1023.80	
	TOTAL				7849.11	Z
	Add Cess @ 1% on “Z”				78.49	
	Cost of 1 metre.				7927.60	
	Say				7927.60	

5.47 Providing and fixing in position factory made precast RCC M-40 door and window frame fixing with hold fast embedded in 1:3:6 concrete block , having excellent smooth finish as per IS: 6523 with reinforcement of 3 Nos, 6 mm dia main bars tied with 3 mm M.S stirrups placed @ 200 mm C/C and 6 numbers high strength polymer blocks of required size for fixing hinges including providing 6 no specially designed M.S. galvanised sleeves for accomodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for recieving sliding door bolts and tower bolt etc. all complete, as per the direction of Engineer-in-charge. The frame shall be measured in running metre correct to two places of decimal.

5.47.1 Door frame 125 mmx 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 52 metre (10 Nos door frame)					
	MATERIAL					
5.33.1.4	RCC M40 Rate as per Item No.5.33.1.4 of SH: REINFORCED CEMENT CONCRETE	cum	0.390	9957.65	3883.48	P
	Extra for scatter and smaller work @25 % i.e. Px0.25				970.87	R
1005	Twisted steel/ deformed bars	quintal	0.468	5550.00	2597.40	
0596	Bright finished or black enameled mild steel butt hinges 75x47x1.70 mm	10 Nos	6.000	63.00	378.00	
4.3.3	Centering and shuttering Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	12.700	961.30	12208.51	A
14.2.1	Fixing chowkhat Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	each	10.000	1782.55	17825.50	A
9999	Sundries	L.S.	1006.700	2.27	2285.21	
	TOTAL				40148.97	W
	Add 1 % Water charges on “W-A-P-R”				52.61	
	TOTAL				40201.58	X
	Add GST on “X-A-P-R” (multiplying factor 0.2127)				1130.12	
	TOTAL				41331.70	Y
	Add 15% CPOH on “Y-A-P-R”				966.50	
	TOTAL				42298.20	Z
	Add Cess @ 1% on “Z-A-P-R”				74.10	
	Cost of 52 metre				42372.30	
	Cost of 1 metre				814.85	
	Say				814.85	

5.47.2 Door frame 100 mmx 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 52 metre (10 Nos door frame)					
	MATERIAL					
5.33.1.4	RCC M-40 Rate as per Item No.5.33.1.4 of SH: RCC	cum	0.310	9957.65	3086.87	P
	Extra for scattered and smaller work @25 %				771.72	R
1005	Twisted steel/ deformed bars	qtl	0.372	5550.00	2064.60	
596	Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	10 nos	6.000	63.00	378.00	
4.3.3	Centring and shuttering Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	11.400	961.30	10958.82	A
14.2.1	Fixing Chowkhat Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDING	each	10.000	1782.55	17825.50	A
9999	Sundries	L.S.	1006.700	2.27	2285.21	
	TOTAL				37370.72	W
	Add 1 % Water charges on “W-A-P-R”				47.28	
	TOTAL				37418.00	X
	Add GST on “X-A-P-R” (multiplying factor 0.2127)				1015.66	
	TOTAL				38433.66	Y
	Add 15% CPOH on “Y-A-P-R”				868.61	
	TOTAL				39302.27	Z
	Add Cess @ 1% on “Z-A-P-R”				66.59	
	Cost of 52 metre				39368.86	
	Cost of 1 metre				757.09	
	Say				757.10	

5.47.3 Door frame 85 mmx60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 52 metre (10 Nos door frame)					
	MATERIAL					
5.33.1.4	RCC M40 Rate as per Item No.5.33.1.4 of SH: REINFORCED CEMENT CONCRETE	cum	0.270	9957.65	2688.57	P
	Extra for scatter and smaller work @25 % i.e. Px0.25				672.14	R
1005	Twisted steel/ deformed bars	quintal	0.324	5550.00	1798.20	
0596	Bright finished or black enameled mild steel butt hinges 75x47x1.70 mm	10 Nos	6.000	63.00	378.00	
4.3.3	Centering and shuttering Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	10.700	961.30	10285.91	A
14.2.1	Fixing chowkhat Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	each	10.000	1782.55	17825.50	A
9999	Sundries	L.S.	1006.700	2.27	2285.21	
	TOTAL				35933.53	W
	Add 1 % Water charges on “W-A-P-R”				44.61	
	TOTAL				35978.14	X
	Add GST on “X-A-P-R” (multiplying factor 0.2127)				958.43	
	TOTAL				36936.57	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y-A-P-R"				819.67	
	TOTAL				37756.24	Z
	Add Cess @ 1% on "Z-A-P-R"				62.84	
	Cost of 52 metre				37819.08	
	Cost of 1 metre				727.29	
	Say				727.30	

5.48 Providing and laying Reinforced cement concrete for construction of piers, abutments, portal frames, pier caps and bearing pedestals and seismic arresters over pier/ abutment caps at all locations with specified grade using Ordinary Portland Cement (conforming to strength requirement of IS:8112) including the cost of steel centering and shuttering etc. complete, including testing of materials etc. for casting pier & pier cap in one/two stage, necessary tools, plants, machinery and all related operations as required to complete the work as per drawings and Specifications with all leads, lifts and depths true to level and position but excluding the cost of providing reinforcement. Reinforcement shall be measured and paid separately.

Note:- Cement content considered in this item is 480 Kg./ Cum. Excess/ less cement used as per design mix is payable/ recoverable separately.

5.48.1 Reinforced Cement Concrete -M-50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 120 cum.					
	MATERIAL					
5.48X	Sub Analysis no 5.48X (Annexure) for item 5.48.1	each	1.00	638628.15	638628.15	P
	Providing M 50 grade reinforced Cement Concrete data (lot) for 120.00 cum					
	Add 11 per cent of cost of material, labour and machinery for formwork on P				70249.10	
	Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift on P				8940.79	
	TOTAL				717818.04	W
	Add 1 % Water charges on "W"				7178.18	
	TOTAL				724996.22	X
	Add GST on "X" (multiplying factor 0.2127)				154206.70	
	TOTAL				879202.92	Y
	Add 15% CPOH on "Y"				131880.44	
	TOTAL				1011083.36	Z
	Add Cess @ 1% on "Z"				10110.83	
	Cost of 120 cum				1021194.19	
	Cost of 1 cum				8509.95	
	Say				8509.95	

5.48.2 Reinforced Cement Concrete -M-60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 120 cum.					
	MATERIAL					
5.48Y	Sub Analysis no 5.48Y (Annexure) for item 5.48.2	each	1.00	712947.65	712947.65	P
	Providing M 60 grade reinforced Cement Concrete data (lot) for 120.00 cum					
	Add 11 per cent of cost of material, labour and machinery for formwork on P				78424.24	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift on P				9981.27	
	TOTAL				801353.16	W
	Add 1 % Water charges on “W”				8013.53	
	TOTAL				809366.69	X
	Add GST on “X” (multiplying factor 0.2127)				172152.29	
	TOTAL				981518.98	Y
	Add 15% CPOH on “Y”				147227.85	
	TOTAL				1128746.83	Z
	Add Cess @ 1% on “Z”				11287.47	
	Cost of 120 cum				1140034.30	
	Cost of 1 cum				9500.29	
	Say				9500.30	

5.48.3 Extra for using M-50/ M-60 Grade Self-compacting Cement Concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 cum.					
	MATERIAL					
5.48.3x	Rate as per sub analysis 5.48.3X	each	1.00	10165.15	10165.15	
5.48.2	Rate as per Item No.5.48.2 of SH: Reinforced Cement Concrete	cum	-1.00	9500.30	-9500.30	
	TOTAL				664.85	
	Cost of 1 cum				664.85	
	Say				664.85	

5.48.3X M 60 grade Self-compacting Reinforced Cement Concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 120 cum.					
	MATERIAL					
5.48Z	Sub Analysis no 5.48Z (Annexure) for sub analysis 5.48.3X	each	1.00	762842.05	762842.05	P
	Providing M 60 grade reinforced Cement Concrete data (lot) for 120.00 cum					
	Add 11 per cent of cost of material, labour and machinery for formwork, P x 11 /100				83912.63	
	Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift, Px1.4/100				10679.79	
	TOTAL				857434.47	W
	Add 1 % Water charges on “W”				8574.34	
	TOTAL				866008.81	X
	Add GST on “X” (multiplying factor 0.2127)				184200.07	
	TOTAL				1050208.88	Y
	Add 15% CPOH on “Y”				157531.33	
	TOTAL				1207740.21	Z
	Add Cess @ 1% on “Z”				12077.40	
	Cost of 120 cum				1219817.61	
	Cost of 1 cum				10165.15	
	Say				10165.15	

5.48X Annexure for item 5.48.1, Providing M50 grade Reinforced Cement Concrete data for 120.00 cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Sub Analysis for use in Item no 5.48.1					
	Details of cost for each lot of 120 cum.					
	RCC Grade M50					
	Unit = 1 cum					
	Taking output = 120 cum					
	MATERIALS :					
0367	Portland Cement	tonne	57.60	5156.00	296985.60	
0982	Coarse sand (zone III)	cum	54.00	1450.00	78300.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	64.80	1425.00	92340.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	43.20	1400.00	60480.00	
7318	Plasticizer / super plasticizer	kilogram	223.20	30.00	6696.00	
	LABOUR :					
0128	Mate	day	0.94	816.00	767.04	
0123	Mason 1st class	day	3.50	897.00	3139.50	
0114	Beldar	day	20.00	736.00	14720.00	
	MACHINERY :					
0066	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2700.00	4320.00	
0070	Generator 100 KVA/125 KVA	hour	1.60	350.00	560.00	
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	1.60	1450.00	2320.00	
	Distance = 10 km					
	Qty= 120.00 cum					
	Total = 120.00x 10= 1200					
0029	Carriage of concrete by transit mixer	km/cum	1200.00	40.00	48000.00	
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	250.00	30000.00	
	TOTAL				638628.14	
	Cost of each lot of 120 cum.				638628.14	
	Say				638628.15	

5.48Y Annexure for items 5.48.2 for using M 60 grade Self Compacting Reinforced cement concrete data for 120.00 cum

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Sub Analysis for use in Item no 5.48.2					
	Detail of cost for each					
	RCC Grade M60					
	Unit = 1 cum					
	Taking output = 120 cum					
	MATERIALS :					
0367	Portland Cement	tonne	57.60	5156.00	296985.60	
0982	Coarse sand (zone III)	cum	54.98	1450.00	79721.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	57.54	1425.00	81994.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	38.22	1400.00	53508.00	
7318	Plasticizer / super plasticizer	kilo-gram	230.40	30.00	6912.00	
8953	Micro Silica	kg	3600.00	25.00	90000.00	
	LABOUR :					
0128	Mate	day	0.94	816.00	767.04	
0123	Mason 1st class	day	3.50	897.00	3139.50	
0114	Beldar	day	20.00	736.00	14720.00	
	MACHINERY :					
0066	Batching and Mixing PlantT@ 75 cum per hour		1.60	2700.00	4320.00	
0070	Generator 100 KVA/125 KVA	hour	1.60	350.00	560.00	
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	1.60	1450.00	2320.00	
	Distance = 10 km					
	Qty= 120.00 cum					
	Total = 120.00x 10= 1200					
0029	Carriage of concrete by transit mixer	km/ cum	1200.00	40.00	48000.00	
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	250.00	30000.00	
	TOTAL				712947.64	
	Cost of each.				712947.64	
	Say				712947.65	

5.48Z **Annexure for items 5.48.3. Extra for using M 60 grade Self Compacting Reinforced cement concrete data for 120.00 cum**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Sub Analysis for use in Item no 5.48.3X					
	Details of cost for each.					
	RCC Grade M60 self compacting concrete Using Batching Plant, Transit Mixer and Conrete Pump					
	Unit = 1 cum					
	Taking Output = 120 cum					
	MATERIALS :					
0367	Portland Cement	tonne	57.60	5156.00	296985.60	
0982	Coarse sand (zone III)	cum	54.00	1450.00	78300.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	64.80	1425.00	92340.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	43.20	1400.00	60480.00	
7318	Plasticizer / super plasticizer	kilo-gram	230.40	30.00	6912.00	
8953	Micro Silica	kg	5040.00	25.00	126000.00	
	LABOUR :					
0128	Mate	day	0.84	816.00	685.44	
0123	Mason 1st class	day	3.00	897.00	2691.00	
0114	Beldar	day	18.00	736.00	13248.00	
	MACHINERY :					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0066	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2700.00	4320.00	
0070	Generator 100 KVA/125 KVA	hour	1.60	350.00	560.00	
0052	Front end loader 1 cum bucket capacity (incl POL) Distance = 10 km Qty= 120.00 cum Total = 120.00x 10= 1200	hour	1.60	1450.00	2320.00	
0029	Carriage of concrete by transit mixer	km/ cum	1200.00	40.00	48000.00	
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	250.00	30000.00	
	TOTAL				762842.04	
	Cost of each.				762842.04	
	Say				762842.05	

5.49 Constructing cast-in situ RCC diaphragm wall by providing and laying machine batched, machine mixed, self compacting, ready mix reinforced cement concrete, tramie controlled, of M 30 grade using minimum 400 kg cement per cum of concrete including providing and mixing required admixtures in recommended proportions as per IS : 9103, as approved by the Engineer-in-charge, for achieving 150- 200mm slump, for diaphragm wall having thickness as per approved structural design not exceeding 600 mm, in pannels of required depth and lengths as per approved drawing, including constructing necessary guide walls as required and as specified including boring in all kinds of soils and rocks, including working in or under water and / or liquid mud, in foul conditions and pumping or bailing out of water and removing slush, including disposal of earth/ rock / slush etc. for all leads and all lifts, including preparing, providing and re-circulating bentonite slurry in the trench as and when required for all depths, including agitating bentonite slurry during trenching etc., providing and fixing stop ends or form tubes, upto the required depth of diaphragm wall including extracting the same after casting, including chipping off the bentonite adulterated concrete or unsound concrete up to the cut off level for obtaining the sound concrete, dressing undulations on the exposed face of diaphragm wall after excavation by chipping / chiseling etc. including filling the depression/ cavities with sound concrete etc. complete and as directed by the Engineer-in-charge, including providing recess for bearing plates and fixing insert boxes for inclined rock anchors etc. complete as per the specifications and approved design and as directed by the Engineer-in-charge, but excluding the cost of reinforcement and inserts. (rates include cost of all inputs of labour, material and T & P, cost of handling, lifting & placing in position the reinforcement cage in the trench, including the additional cost of welding the reinforcement bars etc. involved in the work and all other incidental expenditure for completing the work as directed by the Engineer-in-charge), However, the actual area of the diaphragm wall, correct to two places of decimal, from design bottom level to the design cut off level (including portion anchored in the rock upto the design bottom level) only shall be measured for payment.

Excess/less cement used for design mix including the extra cement required for under water concreting is payable / recoverable separately.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 144.0 cum. Analysis for 20x12=240 Sqmt area of dia-phragm wall Average depth 12 m Thickness 0.60 m Total Quantity 20 mx12 m x0.6 m = 144.00 cum					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	240.00	1700.00	408000.00	
	Guide wall RCC 1:2:4					
	RCC 2x20x(0.45+1.5)x.15 = 11.70 cum					
5.1.3	Rate as per Item No.5.1.3 of SH: REIN-FORCED CEMENT CONCRETE	cum	11.70	8583.40	100425.78	A
	Reinforcement@ 70 kg/Cum for guide wall= 11.70x 70 kg/cum= 819 kg					
5.22.6	Rate as per Item No.5.22.6 of SH: REIN-FORCED CEMENT CONCRETE	kilo-gram	819.00	107.85	88329.15	A
	Add for chipping/dismantling top 50 cm contaminated concrete =20 x 0.50 x 0.60= 6.00 cum					
	RMC M-30 as per qty=144.00 cum					
	Add 10% extra for bulges etc. i.e. 14.40 cum					
	Total=144.00+6.00+14.40= 164.40 cum					
5.33.1.1	Rate as per Item No.5.33.1.1 of SH: REIN-FORCED CEMENT CONCRETE	cum	164.40	9504.75	1562580.90	A
	Bentonite @6% of RCC qty					
	Total Qty= 164.4x06x1400/100= 13810 kg= 13.81 tonne					
7183	Bentonite	tonne	13.81	3050.00	42120.50	
	Add 10 %extra cement due to concreting under water					
	164.4x420x0.10=6.90 tonne					
0367	Portland Cement	tonne	6.90	5156.00	35576.40	
	Add cement for grouting of wall using noz-zles etc.- 240 sqm @ 0.10 quintal/sqm =2.40 tonne					
0367	Portland Cement	tonne	2.40	5156.00	12374.40	
2209	Carriage of Cement	tonne	9.30	0.00	0.00	
0025	Hire and running charges of light crane	day	1.00	3900.00	3900.00	
	Reinforcement @220 kg/cum					
	164.4x220kg/cum=36168 kg					
	Extra reinforcement for hooks @					
	5% of cage 1808.4 kg					
	Total=1808.4 kg=18.084 qtl					
1005	Twisted steel/ deformed bars	quintal	18.084	5550.00	100366.20	
	Extra for welding reinforcement cage					
	Reinforcement @ 200 C/C 2 x 101 x 61 = 6161					
	joints Welding for alternate joint say 50 % joints 6161 cm					
10.22	Rate as per Item No.10.22 of SH: STEEL WORK	cm	6161.00	3.70	22795.70	A
9999	Labour for grouting diaphragm wall under pressure i/c fixing nozzle etc	L.S.	23530.00	2.27	53413.10	
	Add for use retarders / plasticizers for the diaphragm wall concreting using trimme @ 0.4 % cement qty = (164.4 x 420 x 0.4)/100=276.1					
7318	Plasticizer / super plasticizer	kilo-gram	276.19	30.00	8285.70	
8954	Stop end tubes for diaphragmwall 600 mm dia.	sqm	240.00	5.00	1200.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	240.00	79.00	18960.00	
0026	Hire and running charges of bentonite pump	day	2.00	3350.00	6700.00	
	Bentonite powder @ 6% of R.C.C. Qty = (164.4 Cum x 0.06)=9.864 cum					
	9.864 cum x 1400 kg/cum = 13809.6 kg					
	Disposal of bentonite muck Slurry / Muck vol. 49.32 cum					
	Disposal of bentonite muck Slurry / Muck vol. 49.32 cum					
	Add excavated earth = 144.00 cum					
	Total= 144.00 + 49.32 = 193.32 cum					
15.60	Rate as per Item No.15.60 of SH: DISMANTLING & DEMOLISHING	cum	193.32	263.95	51026.81	A
	Disposal of Chipping / Dismantling of contaminated concrete and guide wall etc. with all leads as per item no. 15.3 = 2x(20x-0.50x0.60) + 15.00 cum = 20.40 cum					
15.3	Rate as per Item No.15.3 of SH: DISMANTLING & DEMOLISHING	cum	20.40	3551.25	72445.50	A
9999	Sundries (Extra for concreting by Trimme)	L.S.	1177.00	2.27	2671.79	
9999	Sundries (Design Charges)	L.S.	19200.00	2.27	43584.00	
	TOTAL				2634755.93	W
	Add 1 % Water charges on “W-A”				7371.52	
	TOTAL				2642127.45	X
	Add GST on “X-A” (multiplying factor 0.2127)				158360.17	
	TOTAL				2800487.62	Y
	Add 15% CPOH on “Y-A”				135432.57	
	TOTAL				2935920.19	Z
	Add Cess @ 1% on “Z-A”				10383.16	
	Cost of 144.0 cum				2946303.35	
	Cost of 1 cum				20460.44	
	Say				20460.45	

SUB HEAD : 6.0

MASONRY WORK

6.1 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:

6.1.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4724.00	2333.66	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per item No 3.9 of SH: Mortar	cum	0.25	4211.70	1052.93	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.36	897.00	322.92	
0124	Mason 2nd class	day	0.36	816.00	293.76	
0115	Coolie	day	1.37	736.00	1008.32	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				5180.99	W
	Add 1 % Water charges on “W”				51.81	
	TOTAL				5232.80	X
	Add GST on “X” (multiplying factor 0.2127)				1113.02	
	TOTAL				6345.82	Y
	Add 15% CPOH on “Y”				951.87	
	TOTAL				7297.69	Z
	Add Cess @ 1% on “Z”				72.98	
	Cost of 1 Cum.				7370.67	
	Say				7370.65	

6.1.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4724.00	2333.66	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 3.11)					
3.11	Rate as per Item No.3.11 of SH: Mortar	cum	0.25	3541.40	885.35	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.36	897.00	322.92	
0124	Mason 2nd class	day	0.36	816.00	293.76	
0115	Coolie	day	1.37	736.00	1008.32	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				5013.41	W
	Add 1 % Water charges on “W”				50.13	
	TOTAL				5063.54	X
	Add GST on “X” (multiplying factor 0.2127)				1077.01	
	TOTAL				6140.55	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				921.08	
	TOTAL				7061.63	Z
	Add Cess @ 1% on "Z"				70.62	
	Cost of 1 Cum.				7132.25	
	Say				7132.25	

6.2 Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:

6.2.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	4500.00	2191.50	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per item No 3.9 of SH: Mortar	cum	0.22	4211.70	926.57	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.33	897.00	296.01	
0124	Mason 2nd class	day	0.33	816.00	269.28	
0115	Coolie	day	1.00	736.00	736.00	
0101	Bhisti	day	0.18	816.00	146.88	
	TOTAL				4572.44	W
	Add 1 % Water charges on "W"				45.72	
	TOTAL				4618.16	X
	Add GST on "X" (multiplying factor 0.2127)				982.28	
	TOTAL				5600.44	Y
	Add 15% CPOH on "Y"				840.07	
	TOTAL				6440.51	Z
	Add Cess @ 1% on "Z"				64.41	
	Cost of 1 Cum.				6504.92	
	Say				6504.90	

6.2.2 Cement Mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	4500.00	2191.50	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.22	3541.40	779.11	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.33	897.00	296.01	
0124	Mason 2nd class	day	0.33	816.00	269.28	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	1.00	736.00	736.00	
0101	Bhisti	day	0.18	816.00	146.88	
	TOTAL				4424.98	W
	Add 1 % Water charges on “W”				44.25	
	TOTAL				4469.23	X
	Add GST on “X” (multiplying factor 0.2127)				950.61	
	TOTAL				5419.84	Y
	Add 15% CPOH on “Y”				812.98	
	TOTAL				6232.82	Z
	Add Cess @ 1% on “Z”				62.33	
	Cost of 1 Cum.				6295.15	
	Say				6295.15	

6.3 Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :

6.3.1 With F.P.S.(non modular) bricks

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	5000.00	2470.00	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.25	3541.40	885.35	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	
9999	Scaffolding	L.S.	22.36	2.27	50.76	
	Extra labour element required for lifting of materials (above floor two level upto floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6537.10	W
	Add 1 % Water charges on “W”				65.37	
	TOTAL				6602.47	X
	Add GST on “X” (multiplying factor 0.2127)				1404.35	
	TOTAL				8006.82	Y
	Add 15% CPOH on “Y”				1201.02	
	TOTAL				9207.84	Z
	Add Cess @ 1% on “Z”				92.08	
	Cost of 1 Cum.				9299.92	
	Say				9299.90	

6.3.2 With Modular bricks

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	5500.00	2678.50	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.22	3541.40	779.11	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.44	897.00	394.68	
0124	Mason 2nd class	day	0.44	816.00	359.04	
0115	Coolie	day	1.43	736.00	1052.48	
0101	Bhisti	day	0.18	816.00	146.88	
9999	Scaffolding	L.S.	16.38	2.27	37.18	
	Extra labour element required for lifting of materials (above floor two level upto floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6285.75	W
	Add 1 % Water charges on “W”				62.86	
	TOTAL				6348.61	X
	Add GST on “X” (multiplying factor 0.2127)				1350.35	
	TOTAL				7698.96	Y
	Add 15% CPOH on “Y”				1154.84	
	TOTAL				8853.80	Z
	Add Cess @ 1% on “Z”				88.54	
	Cost of 1 Cum.				8942.34	
	Say				8942.35	

6.4 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :

6.4.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4724.00	2333.66	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.25	4211.70	1052.93	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
	Extra labour element required for lifting of materials (above floor two level upto floor five level)”					
0115	Coolie	day	1.80	736.00	1324.80	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0101	Bhisti	day	0.20	816.00	163.20	
9999	Scaffolding	L.S.	22.36	2.27	50.76	
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6568.34	W
	Add 1 % Water charges on “W”				65.68	
	TOTAL				6634.02	X
	Add GST on “X” (multiplying factor 0.2127)				1411.06	
	TOTAL				8045.08	Y
	Add 15% CPOH on “Y”				1206.76	
	TOTAL				9251.84	Z
	Add Cess @ 1% on “Z”				92.52	
	Cost of 1 Cum.				9344.36	
	Say				9344.35	

6.4.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4724.00	2333.66	
	Cement mortar 1 : 6					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3541.40	885.35	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	
9999	Scaffolding	L.S.	22.36	2.27	50.76	
	Extra labour element required for lifting of materials (above floor two level upto floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6400.76	W
	Add 1 % Water charges on “W”				64.01	
	TOTAL				6464.77	X
	Add GST on “X” (multiplying factor 0.2127)				1375.06	
	TOTAL				7839.83	Y
	Add 15% CPOH on “Y”				1175.97	
	TOTAL				9015.80	Z
	Add Cess @ 1% on “Z”				90.16	
	Cost of 1 Cum.				9105.96	
	Say				9105.95	

6.5 Extra for brick work / AAC block masonry / Tile brick masonry in superstructure above floor V level, for each four floors or part thereof by mechanical means.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5.3 cum per four floors .					
0037	Mobile crane	day	0.125	5050.00	631.25	
	TOTAL				631.25	W
	Add 1 % Water charges on “W”				6.31	
	TOTAL				637.56	X
	Add GST on “X” (multiplying factor 0.2127)				135.61	
	TOTAL				773.17	Y
	Add 15% CPOH on “Y”				115.98	
	TOTAL				889.15	Z
	Add Cess @ 1% on “Z”				8.89	
	Cost of 5.3 Cum.				898.04	
	Cost for 1 cum				169.44	
	Say				169.45	

6.6 Extra for forming cavity 5 cm to 11.5 cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M .S. ties 300 mm long of 25x3 mm section at not less than 3 ties per sqm as per approved design.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Mild steel 25mmx3mm section 30cm long 30 No. = 9 metres @ 0.6kg/m = 5.40 kg					
1008	Flats upto 10 mm in thickness	quintal	0.054	5450.00	294.30	
9999	Painting the steel Bitumen	L.S.	13.52	2.27	30.69	
2205	Carriage of Steel	tonne	0.005	0.00	0.00	
	Extra labour for keeping cavity clear and fixing wall ties and delay caused:					
0123	Mason 1st class	day	0.37	897.00	331.89	
0124	Mason 2nd class	day	0.37	816.00	301.92	
0114	Beldar	day	0.92	736.00	677.12	
9999	Add for use of Core	L.S.	4.55	2.27	10.33	
	TOTAL				1646.25	W
	Add 1 % Water charges on “W”				16.46	
	TOTAL				1662.71	X
	Add GST on “X” (multiplying factor 0.2127)				353.66	
	TOTAL				2016.37	Y
	Add 15% CPOH on “Y”				302.46	
	TOTAL				2318.83	Z
	Add Cess @ 1% on “Z”				23.19	
	Cost for 10 sqm.				2342.02	
	Cost for 1 sqm.				234.20	
	Say				234.20	

6.7 Providing half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in cement mortar 1:3 (1 Cement : 3 coarse sand) in superstructure for closing cavity 5 to 7.5 cm wide in cavity wall complete with 10cm / 11.4 cm wide bitumen felt type 3 grade 1.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10m length					
	MATERIAL					
	Half brick masonry 1:3 (Average)					
	1x10x0.27 = 2.7					
6.12.1	Rate as per item No. 6.12.1 of SH: Brick Work	sqm	2.70	931.75	2515.73	A
	Bitumen felt type- 3 grade 1					
	1x10mx11.4m = 1.14 sqm.					
	Add for wastage and overlapping @ 5% = 0.06 sqm.					
	Total = 1.20 sqm					
0322	Bitumen felt :Type 3 grade 1	sqm	1.20	80.00	96.00	
	LABOUR					
0123	Mason 1st class	day	0.12	897.00	107.64	
0124	Mason 2nd class	day	0.12	816.00	97.92	
0114	Beldar	day	0.06	736.00	44.16	
	TOTAL				2861.45	W
	Add 1 % Water charges on “W-A”				3.46	
	TOTAL				2864.91	X
	Add GST on “X-A” (multiplying factor 0.2127)				74.27	
	TOTAL				2939.18	Y
	Add 15% CPOH on “Y-A”				63.52	
	TOTAL				3002.70	Z
	Add Cess @ 1% on “Z-A”				4.87	
	Cost of 10 metre				3007.57	
	Cost for 1 metre				300.76	
	Say				300.75	

6.8 Brick work 7 cm thick with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth level and upto floor five level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.377	4724.00	1780.95	
	Cement mortar 1:3					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.181	4881.95	883.63	
2201	Carriage of Bricks	1000 Nos	0.377	0.00	0.00	
	LABOUR					
0123	Mason 1st class	day	0.72	897.00	645.84	
0124	Mason 2nd class	day	0.72	816.00	587.52	
0115	Coolie	day	1.76	736.00	1295.36	
0101	Bhisti	day	0.36	816.00	293.76	
9999	Sundries and scaffolding	L.S.	7.15	2.27	16.23	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Extra labour for lifting of material (above floor two level up to floor five level) (10x0.07x1.13=0.79)					
0115	Coolie	day	0.79	736.00	581.44	
	TOTAL				6084.73	W
	Add 1 % Water charges on “W”				60.85	
	TOTAL				6145.58	X
	Add GST on “X” (multiplying factor 0.2127)				1307.16	
	TOTAL				7452.74	Y
	Add 15% CPOH on “Y”				1117.91	
	TOTAL				8570.65	Z
	Add Cess @ 1% on “Z”				85.71	
	Cost for 10 sqm.				8656.36	
	Cost for 1 sqm.				865.64	
	Say				865.65	

6.9 Brick work in plain arches in superstructure above plinth level and upto floor five level including centering and shuttering complete for span up to 6 metres with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4724.00	2333.66	
	Cement mortar 1:3					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.25	4881.95	1220.49	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	Centring and shuttering					
	Taking a semi circular arch 3.6m span, 3.6m long and 0.40m thick					
	Area of centering = 3.142 x 1.8 x 3.6 = 20.37 sqm.					
	Brick work in Arch = 3.142x2.00x0.4x3.6 = 9.05cum.					
	Area per cum = 20.37/9.05 = 2.25 sqm					
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	2154.35	4847.29	A
9999	Scaffolding	L.S.	18.85	2.27	42.79	
	LABOUR					
0123	Mason 1st class	day	0.53	897.00	475.41	
0124	Mason 2nd class	day	0.53	816.00	432.48	
0115	Coolie	day	2.29	736.00	1685.44	
0101	Bhisti	day	0.20	816.00	163.20	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				12038.64	W
	Add 1 % Water charges on “W-A”				71.91	
	TOTAL				12110.55	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X-A" (multiplying factor 0.2127)				1544.90	
	TOTAL				13655.45	Y
	Add 15% CPOH on "Y-A"				1321.22	
	TOTAL				14976.67	Z
	Add Cess @ 1% on "Z-A"				101.29	
	Cost for 1 cum.				15077.96	
	Say				15077.95	

6.10 Brick work in gauged arches in superstructure above plinth level and upto floor five level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering and shuttering complete, for span up to 6 meters with common burnt clay F.P.S. (non modular) bricks of class designation 7.5.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.538	4724.00	2541.51	
	Cement mortar 1:3					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.25	4881.95	1220.49	
2201	Carriage of Bricks	1000 Nos	0.538	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	Centring and shuttering (Area same as in item No. 6.9)					
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	2154.35	4847.29	A
9999	Scaffolding	L.S.	18.85	2.27	42.79	
	LABOUR					
0123	Mason 1st class	day	1.13	897.00	1013.61	
0124	Mason 2nd class	day	1.13	816.00	922.08	
0115	Coolie	day	4.42	736.00	3253.12	
0101	Bhisti	day	0.20	816.00	163.20	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				14841.97	W
	Add 1 % Water charges on "W-A"				99.95	
	TOTAL				14941.92	X
	Add GST on "X-A" (multiplying factor 0.2127)				2147.13	
	TOTAL				17089.05	Y
	Add 15% CPOH on "Y-A"				1836.26	
	TOTAL				18925.31	Z
	Add Cess @ 1% on "Z-A"				140.78	
	Cost for 1 cum.				19066.09	
	Say				19066.10	

6.11 Extra for additional cost of centering for arches exceeding 6m span including all shuttering, bolting, wedging and removal (Area of the soffit to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 333.1 sqm MATERIAL Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m 2R-2=4+4 tan -¹ (4/3)=53.28° 2x53.28°=106° Surface area =10x2x3.142x5x-3.6x106/360=333.1 sqm. Arc=9.25m MATERIAL Tie-2x8x0.18x0.05 =0.144cum Struts-2x2.5x0.1x0.1 =0.050cum. Struts-2x1.77x0.1x0.1=0.035cum. Ribs-6x1.54x0.23x0.1=0.213cum. Struts-2x1.72x0.1x0.1=0.034cum. Total=0.476cum. For four such frames =0.476x4 = 1.904 cum. laggings-75x3.6x0.125x0.075=2.531cum. Tie-2x3.6x0.225x0.038=0.062cum. Brace-3x2x2.14x0.225x0.038=0.110 Brace-3x4x3.8x0.225x0.038=0.390 Sleepers-4x3.6x0.20x0.15=0.432 Sleepers-2x4x3.6x0.175x0.075=0.378 Vertical post-4x4x3.6x0.15x0.15=1.296 Total = 7.103cum. Quantity for 10 Nos. = 7.103x10 = 71.03 cum Qty taken as 1/8th of qty for cost of using once = 71.03/8 = 8.879 cum (8879 cudm)					
1197	Second class kail wood in scantling	10 cudm	887.900	260.00	230854.00	
2204	Carriage of Timber Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50cm each = 16m Straps-50mmx10mm = 8 Nos. @0.25cm each = 2m Total for 10 Nos.= 10x18m @ 3.9kg/m = 702 kg. = 7.02qtl. Qty taken l/8th of qty for cost using once = 7.02/8 = 0.878 qtl.	cum	8.879	0.00	0.00	
1225	Mild steel flat strap fitting Bolts 160 Nos. 254 mm long 16mm dia.- 10x160x 0.254x 1.58=642.1 kg= 6.42qtl. Qty taken 1/8th of qty for cost using once = 6.42/8 = 0.802 qtl	quintal	0.878	4120.00	3617.36	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1034	Bolts and nuts upto 300 mm in length	quintal	0.802	5200.00	4170.40	
	Carriage of steel					
	Qty taken 1/8th of qty for cost using once = 0.878+0.802=1.680 q = 0.168 tonne					
2302	Carriage of G.I.sheet and accessories	tonne	0.168	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	280.000	816.00	228480.00	
0114	Beldar	day	240.000	736.00	176640.00	
9999	Sundries	L.S.	1345.500	2.27	3054.29	
	Less Cost of shuttering etc. for an arch upto 6 m span					
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	-333.100	2154.35	-717613.99	A
	TOTAL				-70797.94	W
	Add 1 % Water charges on “W-A”				6468.16	
	TOTAL				-64329.78	X
	Add GST on “X-A” (multiplying factor 0.2127)				138953.55	
	TOTAL				74623.77	Y
	Add 15% CPOH on “Y-A”				118835.66	
	TOTAL				193459.43	Z
	Add Cess @ 1% on “Z-A”				9110.73	
	Cost of 333.1sqm.				202570.16	
	Cost per sqm				608.14	
	Say				608.15	

6.12 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :

6.12.1 Cement mortar 1:3 (1 cement : 3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.565	4724.00	2669.06	
	Cement mortar 1:3					
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand) (Rate as per item No 3.8)	cum	0.28	4881.95	1366.95	
2201	Carriage of Bricks	1000 Nos	0.565	0.00	0.00	
9999	Sundries & Scaffolding	L.S.	13.52	2.27	30.69	
	LABOUR					
0123	Mason 1st class	day	0.45	897.00	403.65	
0124	Mason 2nd class	day	0.45	816.00	367.20	
0115	Coolie	day	1.55	736.00	1140.80	
0101	Bhisti	day	0.70	816.00	571.20	
	TOTAL				6549.55	W
	Add 1 % Water charges on “W”				65.50	
	TOTAL				6615.05	X
	Add GST on “X” (multiplying factor 0.2127)				1407.02	
	TOTAL				8022.07	Y
	Add 15% CPOH on “Y”				1203.31	
	TOTAL				9225.38	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				92.25	
	Cost for 10 sqm.				9317.63	
	Cost for 1 sqm.				931.76	
	Say				931.75	

6.12.2 cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.565	4724.00	2669.06	
	Cement mortar 1 : 4					
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) (Rate as per item No 3.9)	cum	0.28	4211.70	1179.28	
2201	Carriage of Bricks	1000 Nos	0.565	0.00	0.00	
9999	Sundries & Scaffolding	L.S.	13.52	2.27	30.69	
	LABOUR					
0123	Mason 1st class	day	0.45	897.00	403.65	
0124	Mason 2nd class	day	0.45	816.00	367.20	
0115	Coolie	day	1.55	736.00	1140.80	
0101	Bhisti	day	0.70	816.00	571.20	
	TOTAL				6361.88	W
	Add 1 % Water charges on “W”				63.62	
	TOTAL				6425.50	X
	Add GST on “X” (multiplying factor 0.2127)				1366.70	
	TOTAL				7792.20	Y
	Add 15% CPOH on “Y”				1168.83	
	TOTAL				8961.03	Z
	Add Cess @ 1% on “Z”				89.61	
	Cost for 10 sqm.				9050.64	
	Cost for 1 sqm.				905.06	
	Say				905.05	

6.13 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.

6.13.1 Cement mortar 1:3 (1 cement :3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.565	4724.00	2669.06	
	Cement mortar 1:3					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.28	4881.95	1366.95	
2201	Carriage of Bricks	1000 Nos	0.565	0.00	0.00	
9999	Sundries & Scaffolding	L.S.	13.52	2.27	30.69	
	LABOUR					
0123	Mason 1st class	day	0.60	897.00	538.20	
0124	Mason 2nd class	day	0.60	816.00	489.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.70	816.00	571.20	
	Extra labour for lifting materials:					
0115	Coolie	day	1.29	736.00	949.44	
	10 x 0.115 x1.13					
	TOTAL				8087.14	W
	Add 1 % Water charges on “W”				80.87	
	TOTAL				8168.01	X
	Add GST on “X” (multiplying factor 0.2127)				1737.34	
	TOTAL				9905.35	Y
	Add 15% CPOH on “Y”				1485.80	
	TOTAL				11391.15	Z
	Add Cess @ 1% on “Z”				113.91	
	Cost for 10 sqm.				11505.06	
	Cost for 1 sqm.				1150.51	
	Say				1150.50	

6.13.2 Cement mortar 1:4 (1 cement :4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.565	4724.00	2669.06	
	Cement mortar 1 : 4					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.28	4211.70	1179.28	
2201	Carriage of Bricks	1000 Nos	0.565	0.00	0.00	
9999	Sundries & Scaffolding	L.S.	13.52	2.27	30.69	
	LABOUR					
0123	Mason 1st class	day	0.60	897.00	538.20	
0124	Mason 2nd class	day	0.60	816.00	489.60	
0115	Coolie	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.70	816.00	571.20	
	Extra labour for lifting materials:					
0115	Coolie	day	1.29	736.00	949.44	
	10 x 0.115 x 1.13					
	TOTAL				7899.47	W
	Add 1 % Water charges on “W”				78.99	
	TOTAL				7978.46	X
	Add GST on “X” (multiplying factor 0.2127)				1697.02	
	TOTAL				9675.48	Y
	Add 15% CPOH on “Y”				1451.32	
	TOTAL				11126.80	Z
	Add Cess @ 1% on “Z”				111.27	
	Cost for 10 sqm.				11238.07	
	Cost for 1 sqm.				1123.81	
	Say				1123.80	

6.14 Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof by mechanical means.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 59.83 sqm per four floors .					
0037	Mobile crane	day	0.125	5050.00	631.25	
	TOTAL				631.25	W
	Add 1 % Water charges on “W”				6.31	
	TOTAL				637.56	X
	Add GST on “X” (multiplying factor 0.2127)				135.61	
	TOTAL				773.17	Y
	Add 15% CPOH on “Y”				115.98	
	TOTAL				889.15	Z
	Add Cess @ 1% on “Z”				8.89	
	Cost of 59.83 sqm.				898.04	
	Cost for 1 sqm				15.01	
	Say				15.00	

6.15 Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100sqm.					
	6mm dia. M.S. bars (round) 2 Nos. @ 30 meter/10sqm. = 10x60 metre @ 0.22kg/m = 132 kg					
1002	Mild steel round bar 6 mm dia	quintal	1.320	5550.00	7326.00	
2205	Carriage of Steel	tonne	0.132	0.00	0.00	
9999	Sundries	L.S.	18.200	2.27	41.31	
	TOTAL				7367.31	W
	Add 1 % Water charges on “W”				73.67	
	TOTAL				7440.98	X
	Add GST on “X” (multiplying factor 0.2127)				1582.70	
	TOTAL				9023.68	Y
	Add 15% CPOH on “Y”				1353.55	
	TOTAL				10377.23	Z
	Add Cess @ 1% on “Z”				103.77	
	Cost for 100 sqm.				10481.00	
	Cost for 1 sqm.				104.81	
	Say				104.80	

6.16 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in foundation and plinth in:

6.16.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4750.00	3690.75	
	Cement mortar 1 : 4					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.40	4211.70	1684.68	
2207	Carriage of Brick tiles	1000 Nos	0.777	0.00	0.00	
9999	Sundries	L.S.	4.55	2.27	10.33	
	LABOUR					
0123	Mason 1st class	day	0.70	897.00	627.90	
0124	Mason 2nd class	day	0.70	816.00	571.20	
0115	Coolie	day	1.54	736.00	1133.44	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				7881.50	W
	Add 1 % Water charges on “W”				78.82	
	TOTAL				7960.32	X
	Add GST on “X” (multiplying factor 0.2127)				1693.16	
	TOTAL				9653.48	Y
	Add 15% CPOH on “Y”				1448.02	
	TOTAL				11101.50	Z
	Add Cess @ 1% on “Z”				111.02	
	Cost for 1 cum.				11212.52	
	Say				11212.50	

6.16.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4750.00	3690.75	
	Cement mortar 1 : 6					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3541.40	1416.56	
2207	Carriage of Brick tiles	1000 Nos	0.777	0.00	0.00	
9999	Sundries	L.S.	4.55	2.27	10.33	
	LABOUR					
0123	Mason 1st class	day	0.70	897.00	627.90	
0124	Mason 2nd class	day	0.70	816.00	571.20	
0115	Coolie	day	1.54	736.00	1133.44	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				7613.38	W
	Add 1 % Water charges on “W”				76.13	
	TOTAL				7689.51	X
	Add GST on “X” (multiplying factor 0.2127)				1635.56	
	TOTAL				9325.07	Y
	Add 15% CPOH on “Y”				1398.76	
	TOTAL				10723.83	Z
	Add Cess @ 1% on “Z”				107.24	
	Cost for 1 cum.				10831.07	
	Say				10831.05	

6.17 Tile brick masonry with common burnt clay machine moulded tile bricks of class designation 12.5 conforming to IS : 2690 (Part I) in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	0.777	5200.00	4040.40	
2207	Carriage of Brick tiles	1000 Nos	0.777	0.00	0.00	
	Cement mortar 1 : 6					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3541.40	1416.56	
9999	Sundries	L.S.	4.55	2.27	10.33	
	LABOUR					
0123	Mason 1st class	day	0.70	897.00	627.90	
0124	Mason 2nd class	day	0.70	816.00	571.20	
0115	Coolie	day	1.54	736.00	1133.44	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				7963.03	W
	Add 1 % Water charges on “W”				79.63	
	TOTAL				8042.66	X
	Add GST on “X” (multiplying factor 0.2127)				1710.67	
	TOTAL				9753.33	Y
	Add 15% CPOH on “Y”				1463.00	
	TOTAL				11216.33	Z
	Add Cess @ 1% on “Z”				112.16	
	Cost of 1 Cum.				11328.49	
	Say				11328.50	

6.18 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in superstructure above plinth level up to floor V level in cement mortar 1:6 (1 cement : 6 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4750.00	3690.75	
2207	Carriage of Brick tiles	1000 Nos	0.777	0.00	0.00	
	Cement mortar 1 : 6					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3541.40	1416.56	
9999	Sundries	L.S.	4.55	2.27	10.33	
	LABOUR					
0123	Mason 1st class	day	0.90	897.00	807.30	
0124	Mason 2nd class	day	0.90	816.00	734.40	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	
	Extra labour for lifting of materials					
0115	Coolie	day	1.13	736.00	831.68	
9999	Scaffolding	L.S.	33.80	2.27	76.73	
	TOTAL				9055.75	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				90.56	
	TOTAL				9146.31	X
	Add GST on “X” (multiplying factor 0.2127)				1945.42	
	TOTAL				11091.73	Y
	Add 15% CPOH on “Y”				1663.76	
	TOTAL				12755.49	Z
	Add Cess @ 1% on “Z”				127.55	
	Cost of 1 Cum.				12883.04	
	Say				12883.05	

6.20 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in plain arch work in superstructure above plinth and upto floor five level in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.777	4750.00	3690.75	
2207	Carriage of Brick tiles	1000 Nos	0.777	0.00	0.00	
	Cement mortar 1 : 4					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.35	4211.70	1474.10	
9999	Sundries	L.S.	5.46	2.27	12.39	
	Centering and shuttering, area same as in item no. 6.9					
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	2154.35	4847.29	A
9999	Scaffolding	L.S.	18.85	2.27	42.79	
	LABOUR					
0123	Mason 1st class	day	0.79	897.00	708.63	
0124	Mason 2nd class	day	0.79	816.00	644.64	
0115	Coolie	day	3.21	736.00	2362.56	
0101	Bhisti	day	0.20	816.00	163.20	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				14778.03	W
	Add 1 % Water charges on “W-A”				99.31	
	TOTAL				14877.34	X
	Add GST on “X-A” (multiplying factor 0.2127)				2133.39	
	TOTAL				17010.73	Y
	Add 15% CPOH on “Y-A”				1824.52	
	TOTAL				18835.25	Z
	Add Cess @ 1% on “Z-A”				139.88	
	Cost for 1 cum.				18975.13	
	Say				18975.15	

6.21 Tile brick masonry with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in gauged arch work in superstructure above plinth and upto floor five level in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.791	4750.00	3757.25	
2207	Carriage of Brick tiles	1000 Nos	0.791	0.00	0.00	
	Cement mortar 1 : 4					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.35	4211.70	1474.10	
9999	Sundries and shuttering	L.S.	5.46	2.27	12.39	
	Centering and shuttering, area same as in item no. 6.9					
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	2154.35	4847.29	A
9999	Scaffolding	L.S.	18.85	2.27	42.79	
	LABOUR					
0123	Mason 1st class	day	1.50	897.00	1345.50	
0124	Mason 2nd class	day	1.50	816.00	1224.00	
0115	Coolie	day	5.33	736.00	3922.88	
0101	Bhisti	day	0.20	816.00	163.20	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				17621.08	W
	Add 1 % Water charges on “W-A”				127.74	
	TOTAL				17748.82	X
	Add GST on “X-A” (multiplying factor 0.2127)				2744.16	
	TOTAL				20492.98	Y
	Add 15% CPOH on “Y-A”				2346.85	
	TOTAL				22839.83	Z
	Add Cess @ 1% on “Z-A”				179.93	
	Cost for 1 cum.				23019.76	
	Say				23019.75	

6.22 Tile brick masonry work 5 cm thick with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth and upto floor five level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.377	4750.00	1790.75	
2207	Carriage of Brick tiles	1000 Nos	0.377	0.00	0.00	
	Cement mortar 1:3					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.15	4881.95	732.29	
9999	Sundries and scaffolding	L.S.	8.06	2.27	18.30	
	LABOUR					
0123	Mason 1st class	day	0.94	897.00	843.18	
0124	Mason 2nd class	day	0.94	816.00	767.04	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	1.88	736.00	1383.68	
0101	Bhisti	day	0.33	816.00	269.28	
	Extra labour for lifting of material (above floor two level up to floor five level) (10x0.05x1.13=0.57)					
0115	Coolie	day	0.57	736.00	419.52	
	TOTAL				6224.04	W
	Add 1 % Water charges on “W”				62.24	
	TOTAL				6286.28	X
	Add GST on “X” (multiplying factor 0.2127)				1337.09	
	TOTAL				7623.37	Y
	Add 15% CPOH on “Y”				1143.51	
	TOTAL				8766.88	Z
	Add Cess @ 1% on “Z”				87.67	
	Cost of 10 Sqm.				8854.55	
	Cost per sqm.				885.46	
	Say				885.45	

6.23 Honey-comb brick work 10 / 11.4 cm thick with common burnt clay bricks of class designation 7.5 in super structure above plinth level upto floor V level with cement mortar 1:4 (1 cement : 4 coarse sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1sqm. of Honey comb brick works-					
	MATERIAL					
	Brick work, with bricks of class designation 75, in cement mortar 1:4 (1 Cement : 4 Coarse sand) in superstructure 1 m x 1 x 0.143 m x 4.5/7.5 = 0.069 cum					
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.069	9344.35	644.76	A
9999	Extra for delay due to fine work	L.S.	20.67	2.27	46.92	
	TOTAL				691.68	W
	Add 1 % Water charges on “W-A”				0.47	
	TOTAL				692.15	X
	Add GST on “X-A” (multiplying factor 0.2127)				10.08	
	TOTAL				702.23	Y
	Add 15% CPOH on “Y-A”				8.62	
	TOTAL				710.85	Z
	Add Cess @ 1% on “Z-A”				0.66	
	Cost for 1 sqm.				711.51	
	Say				711.50	

6.24 Extra for laying brick work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.

NOTE :- The quantity will be calculated by multiplying the depth measured from sub - soil water level up to the centre of gravity of brick work under sub - soil water with the quantity of brick work in cum. executed under the sub - soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, (0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4.2 cum per 1 m depth (14 cum per 0.3m depth)					
	Quantity of concrete = 14 cum.					
	pumping hours = 3 hrs. on 0.375 day.					
0011	Hire charges of Pumpset of capacity 4000 litres/hour.	day	0.375	800.00	300.00	
0114	Beldar	day	4.00	736.00	2944.00	
	TOTAL				3244.00	W
	Add 1 % Water charges on “W”				32.44	
	TOTAL				3276.44	X
	Add GST on “X” (multiplying factor 0.2127)				696.90	
	TOTAL				3973.34	Y
	Add 15% CPOH on “Y”				596.00	
	TOTAL				4569.34	Z
	Add Cess @ 1% on “Z”				45.69	
	Cost of 4.2cum per 1 metre depth				4615.03	
	Cost of cum per metre depth				1098.82	
	Say				1098.80	

6.25 Extra for laying brick work in or under foul position.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	Extra labour due to slow progress-					
0123	Mason 1st class	day	0.02	897.00	17.94	
0124	Mason 2nd class	day	0.02	816.00	16.32	
0114	Beldar	day	0.25	736.00	184.00	
0115	Coolie	day	0.15	736.00	110.40	
	TOTAL				328.66	W
	Add 1 % Water charges on “W”				3.29	
	TOTAL				331.95	X
	Add GST on “X” (multiplying factor 0.2127)				70.61	
	TOTAL				402.56	Y
	Add 15% CPOH on “Y”				60.38	
	TOTAL				462.94	Z
	Add Cess @ 1% on “Z”				4.63	
	Cost for 1 cum.				467.57	
	Say				467.55	

6.26 Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand)

6.26.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4724.00	2333.66	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 6					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3541.40	885.35	
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	2.27	37.18	
	LABOUR					
	For selection of bricks					
0114	Beldar	day	0.50	736.00	368.00	
0123	Mason 1st class	day	0.35	897.00	313.95	
0124	Mason 2nd class	day	0.35	816.00	285.60	
0115	Coolie	day	1.07	736.00	787.52	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				5174.46	W
	Add 1 % Water charges on “W”				51.74	
	TOTAL				5226.20	X
	Add GST on “X” (multiplying factor 0.2127)				1111.61	
	TOTAL				6337.81	Y
	Add 15% CPOH on “Y”				950.67	
	TOTAL				7288.48	Z
	Add Cess @ 1% on “Z”				72.88	
	Cost per cum.				7361.36	
	Say				7361.35	

6.26.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.494	4724.00	2333.66	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3541.40	885.35	
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	2.27	37.18	
	LABOUR					
	For selection of bricks					
0114	Beldar	day	0.50	736.00	368.00	
0123	Mason 1st class	day	0.46	897.00	412.62	
0124	Mason 2nd class	day	0.46	816.00	375.36	
0115	Coolie	day	1.60	736.00	1177.60	
0101	Bhisti	day	0.20	816.00	163.20	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	22.36	2.27	50.76	
	TOTAL				6635.41	W
	Add 1 % Water charges on “W”				66.35	
	TOTAL				6701.76	X
	Add GST on “X” (multiplying factor 0.2127)				1425.46	
	TOTAL				8127.22	Y
	Add 15% CPOH on “Y”				1219.08	
	TOTAL				9346.30	Z
	Add Cess @ 1% on “Z”				93.46	
	Cost per cum.				9439.76	
	Say				9439.75	

6.27 Brick work with common burnt clay modular bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.27.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	4500.00	2191.50	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3541.40	779.11	
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.33	897.00	296.01	
0124	Mason 2nd class	day	0.33	816.00	269.28	
0115	Coolie	day	1.00	736.00	736.00	
0101	Bhisti	day	0.18	816.00	146.88	
	TOTAL				4455.96	W
	Add 1 % Water charges on “W”				44.56	
	TOTAL				4500.52	X
	Add GST on “X” (multiplying factor 0.2127)				957.26	
	TOTAL				5457.78	Y
	Add 15% CPOH on “Y”				818.67	
	TOTAL				6276.45	Z
	Add Cess @ 1% on “Z”				62.76	
	Cost of 1 Cum.				6339.21	
	Say				6339.20	

6.27.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7900	Modular common burnt clay bricks of class designation 7.5	1000 Nos	0.487	4500.00	2191.50	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3541.40	779.11	
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.44	897.00	394.68	
0124	Mason 2nd class	day	0.44	816.00	359.04	
0115	Coolie	day	1.43	736.00	1052.48	
0101	Bhisti	day	0.18	816.00	146.88	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
9999	Sundries	L.S.	22.36	2.27	50.76	
	TOTAL				5843.31	W
	Add 1 % Water charges on “W”				58.43	
	TOTAL				5901.74	X
	Add GST on “X” (multiplying factor 0.2127)				1255.30	
	TOTAL				7157.04	Y
	Add 15% CPOH on “Y”				1073.56	
	TOTAL				8230.60	Z
	Add Cess @ 1% on “Z”				82.31	
	Cost of 1 Cum.				8312.91	
	Say				8312.90	

6.28 Brick work with common burnt clay machine moulded modular bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.28.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	0.487	5450.00	2654.15	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3541.40	779.11	
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.33	897.00	296.01	
0124	Mason 2nd class	day	0.33	816.00	269.28	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	1.00	736.00	736.00	
0101	Bhisti	day	0.18	816.00	146.88	
	TOTAL				4918.61	W
	Add 1 % Water charges on “W”				49.19	
	TOTAL				4967.80	X
	Add GST on “X” (multiplying factor 0.2127)				1056.65	
	TOTAL				6024.45	Y
	Add 15% CPOH on “Y”				903.67	
	TOTAL				6928.12	Z
	Add Cess @ 1% on “Z”				69.28	
	Cost per cum.				6997.40	
	Say				6997.40	

6.28.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	0.487	5450.00	2654.15	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3541.40	779.11	
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.44	897.00	394.68	
0124	Mason 2nd class	day	0.44	816.00	359.04	
0115	Coolie	day	1.43	736.00	1052.48	
0101	Bhisti	day	0.18	816.00	146.88	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
9999	Sundries	L.S.	22.36	2.27	50.76	
	TOTAL				6305.96	W
	Add 1 % Water charges on “W”				63.06	
	TOTAL				6369.02	X
	Add GST on “X” (multiplying factor 0.2127)				1354.69	
	TOTAL				7723.71	Y
	Add 15% CPOH on “Y”				1158.56	
	TOTAL				8882.27	Z
	Add Cess @ 1% on “Z”				88.82	
	Cost per cum.				8971.09	
	Say				8971.10	

6.29 Brick work with common burnt clay machine moulded F.P.S. (non modular) bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.29.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	5300.00	2618.20	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3541.40	885.35	
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.36	897.00	322.92	
0124	Mason 2nd class	day	0.36	816.00	293.76	
0115	Coolie	day	1.37	736.00	1008.32	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				5328.93	W
	Add 1 % Water charges on “W”				53.29	
	TOTAL				5382.22	X
	Add GST on “X” (multiplying factor 0.2127)				1144.80	
	TOTAL				6527.02	Y
	Add 15% CPOH on “Y”				979.05	
	TOTAL				7506.07	Z
	Add Cess @ 1% on “Z”				75.06	
	Cost of 1 Cum.				7581.13	
	Say				7581.15	

6.29.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	5300.00	2618.20	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3541.40	885.35	
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.44	897.00	394.68	
0124	Mason 2nd class	day	0.44	816.00	359.04	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
9999	Sundries	L.S.	22.36	2.27	50.76	
	TOTAL				6664.89	W
	Add 1 % Water charges on “W”				66.65	
	TOTAL				6731.54	X
	Add GST on “X” (multiplying factor 0.2127)				1431.80	
	TOTAL				8163.34	Y
	Add 15% CPOH on “Y”				1224.50	
	TOTAL				9387.84	Z
	Add Cess @ 1% on “Z”				93.88	
	Cost of 1 Cum.				9481.72	
	Say				9481.70	

6.30 Brick work with common burnt clay machine moulded perforated F.P.S. (non modular) bricks of class designation 12.5 conforming IS : 2222 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.30.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	5000.00	2470.00	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3541.40	885.35	
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.36	897.00	322.92	
0124	Mason 2nd class	day	0.36	816.00	293.76	
0115	Coolie	day	1.37	736.00	1008.32	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				5180.73	W
	Add 1 % Water charges on “W”				51.81	
	TOTAL				5232.54	X
	Add GST on “X” (multiplying factor 0.2127)				1112.96	
	TOTAL				6345.50	Y
	Add 15% CPOH on “Y”				951.83	
	TOTAL				7297.33	Z
	Add Cess @ 1% on “Z”				72.97	
	Cost of 1 Cum.				7370.30	
	Say				7370.30	

6.30.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	5000.00	2470.00	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3541.40	885.35	
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
9999	Sundries	L.S.	22.36	2.27	50.76	
	TOTAL				6568.08	W
	Add 1 % Water charges on “W”				65.68	
	TOTAL				6633.76	X
	Add GST on “X” (multiplying factor 0.2127)				1411.00	
	TOTAL				8044.76	Y
	Add 15% CPOH on “Y”				1206.71	
	TOTAL				9251.47	Z
	Add Cess @ 1% on “Z”				92.51	
	Cost of 1 Cum.				9343.98	
	Say				9344.00	

6.31 Brick work with common burnt clay machine moulded perforated modular bricks of class designation 12.5 conforming to IS : 2222 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).

6.31.1 From ground level upto plinth level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	5500.00	2678.50	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 3.11)	cum	0.22	3541.40	779.11	
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.27	37.18	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	LABOUR					
0123	Mason 1st class	day	0.33	897.00	296.01	
0124	Mason 2nd class	day	0.33	816.00	269.28	
0115	Coolie	day	1.00	736.00	736.00	
0101	Bhisti	day	0.18	816.00	146.88	
	TOTAL				4942.96	W
	Add 1 % Water charges on “W”				49.43	
	TOTAL				4992.39	X
	Add GST on “X” (multiplying factor 0.2127)				1061.88	
	TOTAL				6054.27	Y
	Add 15% CPOH on “Y”				908.14	
	TOTAL				6962.41	Z
	Add Cess @ 1% on “Z”				69.62	
	Cost of 1 Cum.				7032.03	
	Say				7032.05	

6.31.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	5500.00	2678.50	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3541.40	779.11	
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	2.27	37.18	
	LABOUR					
0123	Mason 1st class	day	0.44	897.00	394.68	
0124	Mason 2nd class	day	0.44	816.00	359.04	
0115	Coolie	day	1.43	736.00	1052.48	
0101	Bhisti	day	0.18	816.00	146.88	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
9999	Sundries	L.S.	22.36	2.27	50.76	
	TOTAL				6330.31	W
	Add 1 % Water charges on “W”				63.30	
	TOTAL				6393.61	X
	Add GST on “X” (multiplying factor 0.2127)				1359.92	
	TOTAL				7753.53	Y
	Add 15% CPOH on “Y”				1163.03	
	TOTAL				8916.56	Z
	Add Cess @ 1% on “Z”				89.17	
	Cost of 1 Cum.				9005.73	
	Say				9005.75	

6.32 Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in :

6.32.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7008	F.P.S.(non modular) clay fly ash bricks class designation 7.5	1000 Nos	0.494	4770.00	2356.38	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.25	4211.70	1052.93	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	
9999	Scaffolding	L.S.	8.97	2.27	20.36	
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6560.66	W
	Add 1 % Water charges on “W”				65.61	
	TOTAL				6626.27	X
	Add GST on “X” (multiplying factor 0.2127)				1409.41	
	TOTAL				8035.68	Y
	Add 15% CPOH on “Y”				1205.35	
	TOTAL				9241.03	Z
	Add Cess @ 1% on “Z”				92.41	
	Cost per cum.				9333.44	
	Say				9333.45	

6.32.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7008	F.P.S.(non modular) clay fly ash bricks class designation 7.5	1000 Nos	0.494	4770.00	2356.38	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3541.40	885.35	
2201	Carriage of Bricks	1000 Nos	0.494	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0101	Bhisti	day	0.20	816.00	163.20	
9999	Scaffolding	L.S.	8.97	2.27	20.36	
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6393.08	W
	Add 1 % Water charges on “W”				63.93	
	TOTAL				6457.01	X
	Add GST on “X” (multiplying factor 0.2127)				1373.41	
	TOTAL				7830.42	Y
	Add 15% CPOH on “Y”				1174.56	
	TOTAL				9004.98	Z
	Add Cess @ 1% on “Z”				90.05	
	Cost per cum.				9095.03	
	Say				9095.05	

6.34 Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :

6.34.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	0.487	4500.00	2191.50	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4211.70	926.57	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	
9999	Scaffolding	L.S.	22.36	2.27	50.76	
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6299.82	W
	Add 1 % Water charges on “W”				63.00	
	TOTAL				6362.82	X
	Add GST on “X” (multiplying factor 0.2127)				1353.37	
	TOTAL				7716.19	Y
	Add 15% CPOH on “Y”				1157.43	
	TOTAL				8873.62	Z
	Add Cess @ 1% on “Z”				88.74	
	Cost per cum.				8962.36	
	Say				8962.35	

6.34.2 Cement mortar 1:6 (1 cement : 6 Coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	0.487	4500.00	2191.50	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3541.40	779.11	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	
9999	Scaffolding	L.S.	22.36	2.27	50.76	
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6152.36	W
	Add 1 % Water charges on “W”				61.52	
	TOTAL				6213.88	X
	Add GST on “X” (multiplying factor 0.2127)				1321.69	
	TOTAL				7535.57	Y
	Add 15% CPOH on “Y”				1130.34	
	TOTAL				8665.91	Z
	Add Cess @ 1% on “Z”				86.66	
	Cost per cum.				8752.57	
	Say				8752.55	

6.35 Brick work with modular calcium silicate bricks machine moulded conforming to IS:4139, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :

6.35.1 Cement mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7738	Calcium Silicate Bricks machine moulded conforming to I.S. 4139 - 1989	1000 Nos	0.487	5700.00	2775.90	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4211.70	926.57	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Scaffolding	L.S.	22.36	2.27	50.76	
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6884.22	W
	Add 1 % Water charges on “W”				68.84	
	TOTAL				6953.06	X
	Add GST on “X” (multiplying factor 0.2127)				1478.92	
	TOTAL				8431.98	Y
	Add 15% CPOH on “Y”				1264.80	
	TOTAL				9696.78	Z
	Add Cess @ 1% on “Z”				96.97	
	Cost per cum.				9793.75	
	Say				9793.75	

6.35.2 Cement mortar 1:6 (1 cement : 6 Coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7738	Calcium Silicate Bricks machine moulded conforming to I.S. 4139 - 1989	1000 Nos	0.487	5700.00	2775.90	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3541.40	779.11	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.47	897.00	421.59	
0124	Mason 2nd class	day	0.47	816.00	383.52	
0115	Coolie	day	1.80	736.00	1324.80	
0101	Bhisti	day	0.20	816.00	163.20	
9999	Scaffolding	L.S.	22.36	2.27	50.76	
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				6736.76	W
	Add 1 % Water charges on “W”				67.37	
	TOTAL				6804.13	X
	Add GST on “X” (multiplying factor 0.2127)				1447.24	
	TOTAL				8251.37	Y
	Add 15% CPOH on “Y”				1237.71	
	TOTAL				9489.08	Z
	Add Cess @ 1% on “Z”				94.89	
	Cost per cum.				9583.97	
	Say				9583.95	

6.36 Brick work with modular extruded brunt fly ash clay sewer bricks (Conforming to IS: 4885) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth :

6.36.1 Cement Mortar 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7736	Extruded burnt flyash clay sewer bricks conforming to I.S 4885 - 1988	1000 Nos	0.487	5500.00	2678.50	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4211.70	926.57	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.33	897.00	296.01	
0124	Mason 2nd class	day	0.33	816.00	269.28	
0115	Coolie	day	1.00	736.00	736.00	
0101	Bhisti	day	0.18	816.00	146.88	
	TOTAL				5059.44	W
	Add 1 % Water charges on “W”				50.59	
	TOTAL				5110.03	X
	Add GST on “X” (multiplying factor 0.2127)				1086.90	
	TOTAL				6196.93	Y
	Add 15% CPOH on “Y”				929.54	
	TOTAL				7126.47	Z
	Add Cess @ 1% on “Z”				71.26	
	Cost per cum.				7197.73	
	Say				7197.75	

6.37 Brick work with modular extruded brunt fly ash clay sewer bricks (conforming to IS : 4885) in arches in foundation and plinth in cement mortar 1:3 (1 cement : 3 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
7736	Extruded burnt flyash clay sewer bricks conforming to I.S 4885 - 1988	1000 Nos	0.487	5500.00	2678.50	
	Cement Mortar 1:3 (1 cement : 3 fine sand).					
3.3	Rate as per item no 3.3 SH Mortar	cum	0.25	4379.05	1094.76	
2201	Carriage of Bricks	1000 Nos	0.487	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	Centering and shuttering					
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	2154.35	4847.29	A
	LABOUR					
0123	Mason 1st class	day	0.42	897.00	376.74	
0124	Mason 2nd class	day	0.42	816.00	342.72	
0115	Coolie	day	1.86	736.00	1368.96	
0101	Bhisti	day	0.20	816.00	163.20	
	TOTAL				10878.37	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on "W-A"				60.31	
	TOTAL				10938.68	X
	Add GST on "X-A" (multiplying factor 0.2127)				1295.64	
	TOTAL				12234.32	Y
	Add 15% CPOH on "Y-A"				1108.05	
	TOTAL				13342.37	Z
	Add Cess @ 1% on "Z-A"				84.95	
	Cost per cum.				13427.32	
	Say				13427.30	

6.38 Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry 100 mm/ 125 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
8655	Autoclaved aerated concrete (AAC) blocks (grade 1 of density 551 to 650 kg/cum)	cum	1.00	2915.00	2915.00	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.15	4211.70	631.76	
2208	Carriage of AAC Blocks	cum	1.00	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason 1st class	day	0.36	897.00	322.92	
0124	Mason 2nd class	day	0.36	816.00	293.76	
0115	Coolie	day	1.37	736.00	1008.32	
0101	Bhisti	day	0.20	816.00	163.20	
	Reinforcement bars					
5.22.1	Rate as per item no. 5.22.1 of SH : Reinforced cement concrete work	kg	13.20	107.10	1413.72	A
	Extra labour element required for lifting of materials (above floor two level upto floor five level)(0.75 x1.5 =1.13).					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				7586.56	W
	Add 1 % Water charges on "W-A"				61.73	
	TOTAL				7648.29	X
	Add GST on "X-A" (multiplying factor 0.2127)				1326.09	
	TOTAL				8974.38	Y
	Add 15% CPOH on "Y-A"				1134.10	
	TOTAL				10108.48	Z
	Add Cess @ 1% on "Z-A"				86.95	
	Cost of 1 Cum.				10195.43	
	Say				10195.45	

6.40 Providing and laying Gypsum panel partitions 100 mm thick with water proof Gypsum panels of size 666x500x100 mm, made of calcite phosphor Gypsum fixed with tongue and groove edges and jointed with bonding plaster as per manufacturer's specifications in superstructure above plinth level up to floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
8656	Gypsum panel 666 X 500 X 100 mm size.	sqm	10.00	528.00	5280.00	
8657	Bonding plaster for Gypsum panel.	kg	25.00	28.00	700.00	
9999	Sundries & scaffolding	L.S.	13.52	2.27	30.69	
	LABOUR					
0123	Mason 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				7195.19	W
	Add 1 % Water charges on "W"				71.95	
	TOTAL				7267.14	X
	Add GST on "X" (multiplying factor 0.2127)				1545.72	
	TOTAL				8812.86	Y
	Add 15% CPOH on "Y"				1321.93	
	TOTAL				10134.79	Z
	Add Cess @ 1% on "Z"				101.35	
	Cost for 10 sqm				10236.14	
	Cost for 1 sqm				1023.61	
	Say				1023.60	

6.41 Extra for Gypsum panel Partitions in superstructure above floor V level for every four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm. per four floor					
	Extra labour element for lifting of materials above floor V level.					
0115	Coolie	day	1.73	736.00	1273.28	
	TOTAL				1273.28	W
	Add 1 % Water charges on "W"				12.73	
	TOTAL				1286.01	X
	Add GST on "X" (multiplying factor 0.2127)				273.53	
	TOTAL				1559.54	Y
	Add 15% CPOH on "Y"				233.93	
	TOTAL				1793.47	Z
	Add Cess @ 1% on "Z"				17.93	
	Cost for 10 sqm.				1811.40	
	Cost for 1 sqm				181.14	
	Say				181.15	

6.44 Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100m length					
9999	Excavation and disposal of surplus earth 2nd class bricks = 42 nos. + Add wastage @ 10% = 4.2 nos. Total for 10 Nos. = 10x46.2 nos. = 462 Nos.	L.S.	27.300	2.12	57.88	
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.462	4590.00	2120.58	
2201	Carriage of Bricks	1000 Nos	0.462	437.15	201.96	
	Cement mortar 1 : 4 (1 cement : 4 fine sand)					
3.4	Rate as per Item Number 3.4 of SH: Mortars	cum	0.036	3713.20	133.68	
	LABOUR					
0155	Mason (average)	day	1.000	749.00	749.00	
0114	Beldar	day	1.000	645.00	645.00	
0101	Bhisti	day	0.300	714.00	214.20	
9999	Sundries	L.S.	27.300	2.12	57.88	
	TOTAL				4180.18	W
	Add 1 % Water charges on “W”				41.80	
	TOTAL				4221.98	X
	Add GST on “X” (multiplying factor 0.2127)				898.02	
	TOTAL				5120.00	Y
	Add 15% CPOH on “Y”				768.00	
	TOTAL				5888.00	Z
	Add Cess @ 1% on “Z”				58.88	
	Cost of 100 metres				5946.88	
	Cost of 1 metre				59.47	
	Say				59.45	

6.45 Half brick masonry with non modular fly ash bricks of class designation 10, conformingio IS :12894, in super structure above plinth upto floor V level.

6.45.1 Cement mortar 1 : 3 (1 cement : 3 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	0.565	4500.00	2542.50	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.28	4881.95	1366.95	
2201	Carriage of Bricks	1000 Nos	0.565	0.00	0.00	
9999	Sundries & Scaffolding	L.S.	13.52	2.27	30.69	
	LABOUR					
0123	Mason 1st class	day	0.60	897.00	538.20	
0124	Mason 2nd class	day	0.60	816.00	489.60	
0115	Coolie	day	2.00	736.00	1472.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0101	Bhisti	day	0.70	816.00	571.20	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.29	736.00	949.44	
	TOTAL				7960.58	W
	Add 1 % Water charges on “W”				79.61	
	TOTAL				8040.19	X
	Add GST on “X” (multiplying factor 0.2127)				1710.15	
	TOTAL				9750.34	Y
	Add 15% CPOH on “Y”				1462.55	
	TOTAL				11212.89	Z
	Add Cess @ 1% on “Z”				112.13	
	Cost for 10 sqm.				11325.02	
	Cost for 1 sqm.				1132.50	
	Say				1132.50	

6.45.2 Cement mortar 1 : 4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	0.565	4500.00	2542.50	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.28	4211.70	1179.28	
2201	Carriage of Bricks	1000 Nos	0.565	0.00	0.00	
9999	Sundries & Scaffolding	L.S.	13.52	2.27	30.69	
	LABOUR					
0123	Mason 1st class	day	0.60	897.00	538.20	
0124	Mason 2nd class	day	0.60	816.00	489.60	
0115	Coolie	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.70	816.00	571.20	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.29	736.00	949.44	
	TOTAL				7772.91	W
	Add 1 % Water charges on “W”				77.73	
	TOTAL				7850.64	X
	Add GST on “X” (multiplying factor 0.2127)				1669.83	
	TOTAL				9520.47	Y
	Add 15% CPOH on “Y”				1428.07	
	TOTAL				10948.54	Z
	Add Cess @ 1% on “Z”				109.49	
	Cost for 10 sqm.				11058.03	
	Cost for 1 sqm.				1105.80	
	Say				1105.80	

6.47 Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	MATERIAL					
8655	Autoclaved aerated concrete (AAC) blocks (grade 1 of density 551 to 650 kg/ cum)	cum	1.00	2915.00	2915.00	
0357	Polymer modified adhesive mortar	Kg	30.00	16.00	480.00	
2208	Carriage of AAC blocks	Cum	1.00	0.00	0.00	
9999	Sundries	L.S.	2.73	2.27	6.20	
	LABOUR					
0123	Mason (brick layer) 1 st class	day	0.36	897.00	322.92	
0124	Mason 2nd class	day	0.36	816.00	293.76	
0115	Coolie	day	1.37	736.00	1008.32	
	Extra labour element required for lifting of materials (above floor two level upto floor five level) (0.75x1.50 = 1.13)					
0115	Coolie	day	1.13	736.00	831.68	
	TOTAL				5857.88	W
	Add 1 % Water charges on “W”				58.58	
	TOTAL				5916.46	X
	Add GST on “X” (multiplying factor 0.2127)				1258.43	
	TOTAL				7174.89	Y
	Add 15% CPOH on “Y”				1076.23	
	TOTAL				8251.12	Z
	Add Cess @ 1% on “Z”				82.51	
	Cost of 1 cum				8333.63	
	Say				8333.65	

SUB HEAD : 7.0

STONE WORK

7.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :

7.1.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
1157	Stone for masonry work	cum	1.00	1250.00	1250.00	
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	5000.00	350.00	
	Carriage:					
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum.	cum	1.16	0.00	0.00	
	1.00cum. + 0.16 cum. = 1.16 cum.					
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.33	3541.40	1168.66	
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.07	816.00	873.12	
0114	Beldar	day	1.07	736.00	787.52	
0115	Coolie	day	0.71	736.00	522.56	
0101	Bhisti	day	0.09	816.00	73.44	
9999	Cement concrete 1:6:12	L.S.	45.76	2.27	103.88	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				5139.21	W
	Add 1 % Water charges on “W”				51.39	
	TOTAL				5190.60	X
	Add GST on “X” (multiplying factor 0.2127)				1104.04	
	TOTAL				6294.64	Y
	Add 15% CPOH on “Y”				944.20	
	TOTAL				7238.84	Z
	Add Cess @ 1% on “Z”				72.39	
	Cost of 1 cum.				7311.23	
	Say				7311.25	

7.2 Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like.

7.2.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
1157	Stone for masonry work	cum	1.00	1250.00	1250.00	
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	5000.00	350.00	
	Carriage of stone-					
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum.	cum	1.16	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	1.00cum. + 0.16 cum. = 1.16 cum.					
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH:					
	Mortars	cum	0.33	3541.40	1168.66	
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.34	816.00	1093.44	
0114	Beldar	day	1.45	736.00	1067.20	
0115	Coolie	day	0.71	736.00	522.56	
0101	Bhisti	day	0.09	816.00	73.44	
9999	Cement concrete 1:6:12	L.S.	56.55	2.27	128.37	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
9999	Sundries	L.S.	15.21	2.27	34.53	
	TOTAL				6519.88	W
	Add 1 % Water charges on “W”				65.20	
	TOTAL				6585.08	X
	Add GST on “X” (multiplying factor 0.2127)				1400.65	
	TOTAL				7985.73	Y
	Add 15% CPOH on “Y”				1197.86	
	TOTAL				9183.59	Z
	Add Cess @ 1% on “Z”				91.84	
	Cost of 1 cum.				9275.43	
	Say				9275.45	

7.4 Extra for random rubble masonry with hard stone in :

7.4.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.58	816.00	473.28	
0115	Coolie	day	0.27	736.00	198.72	
	TOTAL				672.00	W
	Add 1 % Water charges on “W”				6.72	
	TOTAL				678.72	X
	Add GST on “X” (multiplying factor 0.2127)				144.36	
	TOTAL				823.08	Y
	Add 15% CPOH on “Y”				123.46	
	TOTAL				946.54	Z
	Add Cess @ 1% on “Z”				9.47	
	Cost of 1 cum.				956.01	
	Say				956.00	

7.4.2 Circular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
1157	Stone for masonry work	cum	0.29	1250.00	362.50	
2215	Carriage of Soling stone & masonry stone	cum	0.29	0.00	0.00	
	LABOUR					
	Labour for cutting and dressing stones-					
0125	Mason (for plain stone work) 2nd class)	day	1.42	816.00	1158.72	
0115	Coolie	day	0.35	736.00	257.60	
	TOTAL				1778.82	W
	Add 1 % Water charges on “W”				17.79	
	TOTAL				1796.61	X
	Add GST on “X” (multiplying factor 0.2127)				382.14	
	TOTAL				2178.75	Y
	Add 15% CPOH on “Y”				326.81	
	TOTAL				2505.56	Z
	Add Cess @ 1% on “Z”				25.06	
	Cost of 1 cum				2530.62	
	Say				2530.60	

7.5 Extra for random rubble masonry with hard stone curved on plan for a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
1157	Stone for masonry work	cum	0.10	1250.00	125.00	
2215	Carriage of Soling stone & masonry stone	cum	0.10	0.00	0.00	
	LABOUR					
	Labour for cutting and dressing stones-					
0125	Mason (for plain stone work) 2nd class)	day	0.27	816.00	220.32	
0115	Coolie	day	0.53	736.00	390.08	
	TOTAL				735.40	W
	Add 1 % Water charges on “W”				7.35	
	TOTAL				742.75	X
	Add GST on “X” (multiplying factor 0.2127)				157.98	
	TOTAL				900.73	Y
	Add 15% CPOH on “Y”				135.11	
	TOTAL				1035.84	Z
	Add Cess @ 1% on “Z”				10.36	
	Cost of 1 cum.				1046.20	
	Say				1046.20	

7.6 Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :

7.6.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3541.40	1062.42	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1157	Stone for masonry work	cum	1.21	1250.00	1512.50	
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	5000.00	350.00	
2215	Carriage of Soling stone & masonry stone	cum	1.37	0.00	0.00	
	7.00x24cmx24cmx39cm = 0.16 cum.					
	1.21+0.16=1.37 Cum					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.12	816.00	1729.92	
0114	Beldar	day	1.24	736.00	912.64	
0115	Coolie	day	0.71	736.00	522.56	
0101	Bhisti	day	0.09	816.00	73.44	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				6194.17	W
	Add 1 % Water charges on “W”				61.94	
	TOTAL				6256.11	X
	Add GST on “X” (multiplying factor 0.2127)				1330.67	
	TOTAL				7586.78	Y
	Add 15% CPOH on “Y”				1138.02	
	TOTAL				8724.80	Z
	Add Cess @ 1% on “Z”				87.25	
	Cost of 1 cum.				8812.05	
	Say				8812.05	

7.7 Coursed rubble masonry (second sort) with hard stone in foundation & plinth with :

7.7.1 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3541.40	1062.42	
1157	Stone for masonry work	cum	1.10	1250.00	1375.00	
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	5000.00	350.00	
	Carriage:					
2215	Carriage of Soling stone & masonry stone	cum	1.26	0.00	0.00	
	7.00x24cmx24cmx39cm = 0.16 cum.					
	1.10+0.16 cum = 1.26 cum.					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.76	816.00	1436.16	
0114	Beldar	day	1.24	736.00	912.64	
0115	Coolie	day	0.71	736.00	522.56	
0101	Bhisti	day	0.09	816.00	73.44	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				5762.91	W
	Add 1 % Water charges on “W”				57.63	
	TOTAL				5820.54	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				1238.03	
	TOTAL				7058.57	Y
	Add 15% CPOH on "Y"				1058.79	
	TOTAL				8117.36	Z
	Add Cess @ 1% on "Z"				81.17	
	Cost of 1 cum.				8198.53	
	Say				8198.55	

7.8 Coursed rubble masonry with hard stone (first or second sort) in superstructure above plinth level and upto floor five level.

7.8.1 Masonry work (first sort), in cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3541.40	1062.42	
1157	Stone for masonry work	cum	1.21	1250.00	1512.50	
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	5000.00	350.00	
2215	Carriage of Soling stone & masonry stone	cum	1.37	0.00	0.00	
	7.00 x 24 cm x24 cm x 39 cm = 0.16 cum.					
	1.21 cum. + 0.16 cum = 1.37 cum					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.38	816.00	1942.08	
0114	Beldar	day	1.59	736.00	1170.24	
0115	Coolie	day	0.71	736.00	522.56	
0101	Bhisti	day	0.09	816.00	73.44	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
9999	Sundries, scaffolding etc.	L.S.	37.70	2.27	85.58	
	TOTAL				7550.50	W
	Add 1 % Water charges on "W"				75.51	
	TOTAL				7626.01	X
	Add GST on "X" (multiplying factor 0.2127)				1622.05	
	TOTAL				9248.06	Y
	Add 15% CPOH on "Y"				1387.21	
	TOTAL				10635.27	Z
	Add Cess @ 1% on "Z"				106.35	
	Cost of 1 cum.				10741.62	
	Say				10741.60	

7.8.2 Masonry work (second sort), in cement mortar 1:6 (1 cement: 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	MATERIAL					
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.30	3541.40	1062.42	
1157	Stone for masonry work	cum	1.10	1250.00	1375.00	
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	5000.00	350.00	
	Carriage:					
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.10+0.16 cum = 1.26 cum.	cum	1.26	0.00	0.00	
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.02	816.00	1648.32	
0114	Beldar	day	1.59	736.00	1170.24	
0115	Coolie	day	0.71	736.00	522.56	
0101	Bhisti	day	0.09	816.00	73.44	
	Extra labour for lifting of material (above floor two level up to floor five level)					
0115	Coolie	day	1.13	736.00	831.68	
9999	Sundries, scaffolding etc.	L.S.	37.70	2.27	85.58	
	TOTAL				7119.24	W
	Add 1 % Water charges on “W”				71.19	
	TOTAL				7190.43	X
	Add GST on “X” (multiplying factor 0.2127)				1529.40	
	TOTAL				8719.83	Y
	Add 15% CPOH on “Y”				1307.97	
	TOTAL				10027.80	Z
	Add Cess @ 1% on “Z”				100.28	
	Cost of 1 cum.				10128.08	
	Say				10128.10	

7.10 Extra for coursed rubble masonry with hard stone (first or second sort) in:

7.10.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.67	816.00	546.72	
0115	Coolie	day	0.27	736.00	198.72	
	TOTAL				745.44	W
	Add 1 % Water charges on “W”				7.45	
	TOTAL				752.89	X
	Add GST on “X” (multiplying factor 0.2127)				160.14	
	TOTAL				913.03	Y
	Add 15% CPOH on “Y”				136.95	
	TOTAL				1049.98	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z"				10.50	
	Cost of 1 cum.				1060.48	
	Say				1060.50	

7.10.2 Circular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
1157	Stone for masonry work	cum	0.32	1250.00	400.00	
2215	Carriage of Soling stone & masonry stone	cum	0.32	0.00	0.00	
	LABOUR					
	Labour for cutting and dressing :					
0125	Mason (for plain stone work) 2nd class)	day	1.67	816.00	1362.72	
0115	Coolie	day	0.35	736.00	257.60	
	TOTAL				2020.32	W
	Add 1 % Water charges on "W"				20.20	
	TOTAL				2040.52	X
	Add GST on "X" (multiplying factor 0.2127)				434.02	
	TOTAL				2474.54	Y
	Add 15% CPOH on "Y"				371.18	
	TOTAL				2845.72	Z
	Add Cess @ 1% on "Z"				28.46	
	Cost of 1 cum				2874.18	
	Say				2874.20	

7.11 Extra for coursed rubble masonry with hard stone (first or second sort) curved on plan for a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum					
	Extra					
1157	Stone for masonry work	cum	0.11	1250.00	137.50	
2215	Carriage of Soling stone & masonry stone	cum	0.11	0.00	0.00	
	Labour for cutting and dressing:					
0125	Mason (for plain stone work) 2nd class)	day	0.33	816.00	269.28	
0115	Coolie	day	0.53	736.00	390.08	
	TOTAL				796.86	W
	Add 1 % Water charges on "W"				7.97	
	TOTAL				804.83	X
	Add GST on "X" (multiplying factor 0.2127)				171.19	
	TOTAL				976.02	Y
	Add 15% CPOH on "Y"				146.40	
	TOTAL				1122.42	Z
	Add Cess @ 1% on "Z"				11.22	
	Cost of 1 cum.				1133.64	
	Say				1133.65	

7.12 Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.12.1 One face dressed

7.12.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm.					
	MATERIAL					
	Red sand stone					
	Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm					
1160	Red sand stone block	10 cudm	1.333	130.00	173.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne. Say 0.031 t.	tonne	0.031	0.00	0.00	
	Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.088	816.00	71.81	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scafolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	TOTAL				480.05	W
	Add 1 % Water charges on “W”				4.80	
	TOTAL				484.85	X
	Add GST on “X” (multiplying factor 0.2127)				103.13	
	TOTAL				587.98	Y
	Add 15% CPOH on “Y”				88.20	
	TOTAL				676.18	Z
	Add Cess @ 1% on “Z”				6.76	
	Cost of 10 cudm.				682.94	
	Cost of 1 cum.				68294.00	
	Say				68294.00	

7.12.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm.					
	MATERIAL					
1161	White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Extra labour for lifting of materials upto floor V level. (0.01 x 1.50 =0.015)	tonne	0.031	0.00	0.00	
0115	Coolie	day	0.015	736.00	11.04	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.088	816.00	71.81	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	TOTAL				580.03	W
	Add 1 % Water charges on “W”				5.80	
	TOTAL				585.83	X
	Add GST on “X” (multiplying factor 0.2127)				124.61	
	TOTAL				710.44	Y
	Add 15% CPOH on “Y”				106.57	
	TOTAL				817.01	Z
	Add Cess @ 1% on “Z”				8.17	
	Cost of 10 cudm.				825.18	
	Cost of 1 cum.				82518.00	
	Say				82518.00	

7.12.2 Both face dressed

7.12.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm.					
	MATERIAL					
1160	Red sand stone block	10 cudm	1.333	130.00	173.29	
	Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
	Cost of stone					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	0.00	0.00	
	Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.176	816.00	143.62	
0102	Blacksmith 1st class	day	0.012	897.00	10.76	
0114	Beldar	day	0.088	736.00	64.77	
0115	Coolie	day	0.044	736.00	32.38	
0100	Bandhani	day	0.088	816.00	71.81	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scafolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	TOTAL				641.73	W
	Add 1 % Water charges on “W”				6.42	
	TOTAL				648.15	X
	Add GST on “X” (multiplying factor 0.2127)				137.86	
	TOTAL				786.01	Y
	Add 15% CPOH on “Y”				117.90	
	TOTAL				903.91	Z
	Add Cess @ 1% on “Z”				9.04	
	Cost of 10 cudm.				912.95	
	Cost of 1 cum.				91295.00	
	Say				91295.00	

7.12.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1161	White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	0.00	0.00	
	Extra labour for lifting of material upto floor V level. (0.01 x 1.50 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.176	816.00	143.62	
0102	Blacksmith 1st class	day	0.012	897.00	10.76	
0114	Beldar	day	0.088	736.00	64.77	
0115	Coolie	day	0.044	736.00	32.38	
0100	Bandhani	day	0.088	816.00	71.81	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	TOTAL				741.71	W
	Add 1 % Water charges on “W”				7.42	
	TOTAL				749.13	X
	Add GST on “X” (multiplying factor 0.2127)				159.34	
	TOTAL				908.47	Y
	Add 15% CPOH on “Y”				136.27	
	TOTAL				1044.74	Z
	Add Cess @ 1% on “Z”				10.45	
	Cost of 10 cudm.				1055.19	
	Cost of 1 cum.				105519.00	
	Say				105519.00	

7.13 Stone work plain ashlar in arches in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.13.1 One face dressed

7.13.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1160	Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	130.00	173.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.088	816.00	71.81	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
9999	Centering and shuttering	L.S.	13.52	2.27	30.69	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				529.04	W
	Add 1 % Water charges on “W”				5.29	
	TOTAL				534.33	X
	Add GST on “X” (multiplying factor 0.2127)				113.65	
	TOTAL				647.98	Y
	Add 15% CPOH on “Y”				97.20	
	TOTAL				745.18	Z
	Add Cess @ 1% on “Z”				7.45	
	Cost of 10 cudm.				752.63	
	Cost of 1 cum.				75263.00	
	Say				75263.00	

7.13.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1161	White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	205.00	273.27	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30=30.659 kg = 0.03065 tonne say 0.031t	tonne	0.031	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.088	816.00	71.81	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
9999	Centering and shuttering	L.S.	13.52	2.27	30.69	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				629.02	W
	Add 1 % Water charges on “W”				6.29	
	TOTAL				635.31	X
	Add GST on “X” (multiplying factor 0.2127)				135.13	
	TOTAL				770.44	Y
	Add 15% CPOH on “Y”				115.57	
	TOTAL				886.01	Z
	Add Cess @ 1% on “Z”				8.86	
	Cost of 10 cudm.				894.87	
	Cost of 1 cum.				89487.00	
	Say				89487.00	

7.13.2 Both face dressed

7.13.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1160	Red sand stone block	10 cudm	1.333	130.00	173.29	
	Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.176	816.00	143.62	
0102	Blacksmith 1st class	day	0.012	897.00	10.76	
0114	Beldar	day	0.088	736.00	64.77	
0115	Coolie	day	0.044	736.00	32.38	
0100	Bandhani	day	0.088	816.00	71.81	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
9999	Centering and shuttering	L.S.	13.52	2.27	30.69	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				690.72	W
	Add 1 % Water charges on “W”				6.91	
	TOTAL				697.63	X
	Add GST on “X” (multiplying factor 0.2127)				148.39	
	TOTAL				846.02	Y
	Add 15% CPOH on “Y”				126.90	
	TOTAL				972.92	Z
	Add Cess @ 1% on “Z”				9.73	
	Cost of 10 cudm.				982.65	
	Cost of 1 cum.				98265.00	
	Say				98265.00	

7.13.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1161	White sand stone block	10 cudm	1.333	205.00	273.27	
	Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.176	816.00	143.62	
0102	Blacksmith 1st class	day	0.012	897.00	10.76	
0114	Beldar	day	0.088	736.00	64.77	
0115	Coolie	day	0.044	736.00	32.38	
0100	Bandhani	day	0.088	816.00	71.81	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
9999	Centering and shuttering	L.S.	13.52	2.27	30.69	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				790.70	W
	Add 1 % Water charges on “W”				7.91	
	TOTAL				798.61	X
	Add GST on “X” (multiplying factor 0.2127)				169.86	
	TOTAL				968.47	Y
	Add 15% CPOH on “Y”				145.27	
	TOTAL				1113.74	Z
	Add Cess @ 1% on “Z”				11.14	
	Cost of 10 cudm.				1124.88	
	Cost of 1 cum.				112488.00	
	Say				112488.00	

7.14 Stone work plain ashlar in domes , in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centering, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.14.1 One face dressed

7.14.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1160	Red sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	130.00	173.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30=30.659 kg =0.03065 tonne say 0.031 t	tonne	0.031	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.176	816.00	143.62	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0126	Mason (for ornamental stone work) 1st class	day	0.176	897.00	157.87	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
9999	Centring and shuttering	L.S.	33.15	2.27	75.25	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				803.28	W
	Add 1 % Water charges on “W”				8.03	
	TOTAL				811.31	X
	Add GST on “X” (multiplying factor 0.2127)				172.57	
	TOTAL				983.88	Y
	Add 15% CPOH on “Y”				147.58	
	TOTAL				1131.46	Z
	Add Cess @ 1% on “Z”				11.31	
	Cost of 10 cudm.				1142.77	
	Cost of 1 cum.				114277.00	
	Say				114277.00	

7.14.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1161	White sand stone block	10 cudm	1.333	205.00	273.27	
	Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30=30.659 kg =0.03065 tonne say 0.031 t	tonne	0.031	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.176	816.00	143.62	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0126	Mason (for ornamental stone work) 1st class	day	0.176	897.00	157.87	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
9999	Centring and shuttering	L.S.	33.15	2.27	75.25	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				903.26	W
	Add 1 % Water charges on “W”				9.03	
	TOTAL				912.29	X
	Add GST on “X” (multiplying factor 0.2127)				194.04	
	TOTAL				1106.33	Y
	Add 15% CPOH on “Y”				165.95	
	TOTAL				1272.28	Z
	Add Cess @ 1% on “Z”				12.72	
	Cost of 10 cudm.				1285.00	
	Cost of 1 cum.				128500.00	
	Say				128500.00	

7.14.2 Both face dressed

7.14.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm.					
	MATERIAL					
1160	Red sand stone block	10 cudm	1.333	130.00	173.29	
	Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.031	0.00	0.00	
	@ 2.30kg/cudm = 13.33x2.30=30.659 kg =0.03065 tonne say 0.031 t					
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.352	816.00	287.23	
0102	Blacksmith 1st class	day	0.012	897.00	10.76	
0126	Mason (for ornamental stone work) 1st class	day	0.352	897.00	315.74	
0114	Beldar	day	0.088	736.00	64.77	
0115	Coolie	day	0.044	736.00	32.38	
0100	Bandhani	day	0.088	816.00	71.81	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
9999	Centring and shuttering	L.S.	33.15	2.27	75.25	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				1194.63	W
	Add 1 % Water charges on “W”				11.95	
	TOTAL				1206.58	X
	Add GST on “X” (multiplying factor 0.2127)				256.64	
	TOTAL				1463.22	Y
	Add 15% CPOH on “Y”				219.48	
	TOTAL				1682.70	Z
	Add Cess @ 1% on “Z”				16.83	
	Cost of 10 cudm.				1699.53	
	Cost of 1 cum.				169953.00	
	Say				169953.00	

7.14.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1161	White sand stone block	10 cudm	1.333	205.00	273.27	
	Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.031	0.00	0.00	
	@ 2.30kg/cudm = 13.33x2.30=30.659 kg =0.03065 tonne say 0.031 t					
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.352	816.00	287.23	
0102	Blacksmith 1st class	day	0.012	897.00	10.76	
0126	Mason (for ornamental stone work) 1st class	day	0.352	897.00	315.74	
0114	Beldar	day	0.088	736.00	64.77	
0115	Coolie	day	0.044	736.00	32.38	
0100	Bandhani	day	0.088	816.00	71.81	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
9999	Centring and shuttering	L.S.	33.15	2.27	75.25	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				1294.61	W
	Add 1 % Water charges on “W”				12.95	
	TOTAL				1307.56	X
	Add GST on “X” (multiplying factor 0.2127)				278.12	
	TOTAL				1585.68	Y
	Add 15% CPOH on “Y”				237.85	
	TOTAL				1823.53	Z
	Add Cess @ 1% on “Z”				18.24	
	Cost of 10 cudm.				1841.77	
	Cost of 1 cum.				184177.00	
	Say				184177.00	

7.15 Stone work ashlar punched (ordinary) in superstructure upto floor five level in cement mortar 1:6 (1 white cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.15.1 One face dressed

7.15.1.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1160	Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	130.00	173.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30=30.659 tonne = 0.03065kg say 0.031 t	tonne	0.031	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.059	816.00	48.14	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				456.38	W
	Add 1 % Water charges on “W”				4.56	
	TOTAL				460.94	X
	Add GST on “X” (multiplying factor 0.2127)				98.04	
	TOTAL				558.98	Y
	Add 15% CPOH on “Y”				83.85	
	TOTAL				642.83	Z
	Add Cess @ 1% on “Z”				6.43	
	Cost of 10 cudm.				649.26	
	Cost of 1 cum.				64926.00	
	Say				64926.00	

7.15.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1161	White sand stone block	10 cudm	1.333	205.00	273.27	
	Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 =30.659 tonne = 0.03065kg say 0.031 t	tonne	0.031	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.059	816.00	48.14	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				556.36	W
	Add 1 % Water charges on “W”				5.56	
	TOTAL				561.92	X
	Add GST on “X” (multiplying factor 0.2127)				119.52	
	TOTAL				681.44	Y
	Add 15% CPOH on “Y”				102.22	
	TOTAL				783.66	Z
	Add Cess @ 1% on “Z”				7.84	
	Cost of 10 cudm.				791.50	
	Cost of 1 cum.				79150.00	
	Say				79150.00	

7.15.2 Both faced punched

7.15.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1160	Red sand stone block	10 cudm	1.333	130.00	173.29	
	Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 tonne = 0.03065 kg say 0.031 t.	tonne	0.031	0.00	0.00	
	Extra labour for lifting of materials upto floor V level 0.01x1.50 = 0.015					
0115	Coolie	day	0.015	736.00	11.04	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.118	816.00	96.29	
0102	Blacksmith 1st class	day	0.012	897.00	10.76	
0114	Beldar	day	0.088	736.00	64.77	
0115	Coolie	day	0.044	736.00	32.38	
0100	Bandhani	day	0.088	816.00	71.81	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scafolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	TOTAL				594.40	W
	Add 1 % Water charges on “W”				5.94	
	TOTAL				600.34	X
	Add GST on “X” (multiplying factor 0.2127)				127.69	
	TOTAL				728.03	Y
	Add 15% CPOH on “Y”				109.20	
	TOTAL				837.23	Z
	Add Cess @ 1% on “Z”				8.37	
	Cost of 10 cudm.				845.60	
	Cost of 1 cum.				84560.00	
	Say				84560.00	

7.15.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
1161	White sand stone block	10 cudm	1.333	205.00	273.27	
	Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 tonne = 0.03065 kg say 0.031 t.	tonne	0.031	0.00	0.00	
	Extra labour for lifting of material upto floor V level. (0.01 x 1.50 = 0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.118	816.00	96.29	
0102	Blacksmith 1st class	day	0.012	897.00	10.76	
0114	Beldar	day	0.088	736.00	64.77	
0115	Coolie	day	0.044	736.00	32.38	
0100	Bandhani	day	0.088	816.00	71.81	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	TOTAL				694.38	W
	Add 1 % Water charges on “W”				6.94	
	TOTAL				701.32	X
	Add GST on “X” (multiplying factor 0.2127)				149.17	
	TOTAL				850.49	Y
	Add 15% CPOH on “Y”				127.57	
	TOTAL				978.06	Z
	Add Cess @ 1% on “Z”				9.78	
	Cost of 10 cudm.				987.84	
	Cost of 1 cum.				98784.00	
	Say				98784.00	

7.16 Extra for stone work, random rubble / coursed rubble masonry / ashlar masonry above floor V level for every four floors or part thereof by mechnical means.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5.3 cum per four floors .					
0037	Mobile crane	day	0.125	5050.00	631.25	
	TOTAL				631.25	W
	Add 1 % Water charges on “W”				6.31	
	TOTAL				637.56	X
	Add GST on “X” (multiplying factor 0.2127)				135.61	
	TOTAL				773.17	Y
	Add 15% CPOH on “Y”				115.98	
	TOTAL				889.15	Z
	Add Cess @ 1% on “Z”				8.89	
	Cost of 5.3 Cum.				898.04	
	Cost for 1 cum				169.44	
	Say				169.45	

7.17 Extra for plain ashlar or ashlar punched in :

7.17.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
9999	Labour and materials	L.S.	8.97	2.27	20.36	
	TOTAL				20.36	W
	Add 1 % Water charges on “W”				0.20	
	TOTAL				20.56	X
	Add GST on “X” (multiplying factor 0.2127)				4.37	
	TOTAL				24.93	Y
	Add 15% CPOH on “Y”				3.74	
	TOTAL				28.67	Z
	Add Cess @ 1% on “Z”				0.29	
	Cost of 10 cudm.				28.96	
	Cost of 1 cum.				2896.00	
	Say				2896.00	

7.18 Extra for stone work; plain ashlar or ashlar punched curved on plan with a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
9999	Labour and materials	L.S.	6.24	2.27	14.16	
	TOTAL				14.16	W
	Add 1 % Water charges on “W”				0.14	
	TOTAL				14.30	X
	Add GST on “X” (multiplying factor 0.2127)				3.04	
	TOTAL				17.34	Y
	Add 15% CPOH on “Y”				2.60	
	TOTAL				19.94	Z
	Add Cess @ 1% on “Z”				0.20	
	Cost of 10 cudm.				20.14	
	Cost of 1 cum.				2014.00	
	Say				2014.00	

7.19 Extra for additional cost of centering for arches exceeding 6m span including all strutting, bolting, wedging etc. and removal (area of soffit to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 333.1 sqm					
	Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m)					
	Radius R = 5m					
	2R-2 = 4+4					
	tan -¹ (4/3)=53.28°					
	2x53.28=106°					
	Surface area =10x2x3.142x5x-3.6x106/360=333.1 sqm.					
	Arc=9.25m					
	MATERIAL					
	Tie-2x8x0.18x0.05 =0.144cum					
	Struts-2x2.5x0.1x0.1 =0.050cum.					
	Struts-2x1.77x0.1x0.1=0.035cum.					
	Ribs-6x1.54x0.23x0.1=0.213cum.					
	Struts-2x1.72x0.1x0.1=0.034cum.					
	Total=0.476cum.					
	For four such frames =0.476x4 = 1.904 cum.					
	laggings-75x3.6x0.125x0.075=2.531cum.					
	Tie-2x3.6x0.225x0.038=0.062cum.					
	Brace-3x2x2.14x0.225x0.038=0.110					
	Brace-3x4x3.8x0.225x0.038=0.390					
	Sleepers-4x3.6x0.20x0.15=0.432					
	Sleepers-2x4x3.6x0.175x0.075=0.378					
	Vertical post-4x4x3.6x0.15x0.15=1.296					
	Total = 7.103cum. Quantity for 10 Nos. = 7.103x10 = 71.03 cum					
	Qty taken as 1/8th of qty for cost of using once = 71.03/8 = 8.879 cum (8879 cudm)					
1197	Second class kail wood in scantling	10 cudm	887.900	260.00	230854.00	
2204	Carriage of Timber	cum	8.879	0.00	0.00	
	Fittings:					
	3 way straps 50mmx10mm = 32 Nos.					
	32 no. @0.50m each = 16m					
	Straps-50mmx10mm = 8 Nos. @0.25m					
	each = 2m					
	Total = 18m					
	For 10 Nos. = 10x18m, wt @ 3.9kg/m = 702 kg. = 7.02q					
	Qty taken l/8th of qty for cost using once = 7.02/8 = 0.878 qtl.					
1225	Mild steel flat strap fitting	quintal	0.878	4120.00	3617.36	
	Bolts 160 Nos. 254 mm long 16mm dia.-10x160x.254xl .58=642.1 kg=6.42q.					
	Qty taken 1/8th of qty for cost using once = 6.42/8 = 0.802 qtl					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1034	Bolts and nuts upto 300 mm in length	quintal	0.802	5200.00	4170.40	
	Carriage of steel					
	Qty taken 1/8th of qty for cost using once = 0.878+0.802=1.680 q = 0.168 tonne					
2302	Carriage of G.I.sheet and accessories	tonne	0.168	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	280.000	816.00	228480.00	
0114	Beldar	day	240.000	736.00	176640.00	
9999	Sundries	L.S.	1345.500	2.27	3054.29	
	Less Cost of shuttering etc. for an arch upto 6 m span					
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	-333.100	2154.35	-717613.99	A
	TOTAL				-70797.94	W
	Add 1 % Water charges on “W-A”				6468.16	
	TOTAL				-64329.78	X
	Add GST on “X-A” (multiplying factor 0.2127)				138953.55	
	TOTAL				74623.77	Y
	Add 15% CPOH on “Y-A”				118835.66	
	TOTAL				193459.43	Z
	Add Cess @ 1% on “Z-A”				9110.73	
	Cost of 333.1sqm.				202570.16	
	Cost per sqm of soffit area				608.14	
	Say				608.15	

7.20 Stone work ashlar sunk or moulded or sunk and moulded upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.20.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
	Finished work = 10 cudm + Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
1160	Red sand stone block	10 cudm	1.333	130.00	173.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	0.00	0.00	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.291	816.00	237.46	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0125	Mason (for plain stone work) 2nd class	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of materials upto floor V level (0.01x1.50=0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				664.00	W
	Add 1 % Water charges on “W”				6.64	
	TOTAL				670.64	X
	Add GST on “X” (multiplying factor 0.2127)				142.65	
	TOTAL				813.29	Y
	Add 15% CPOH on “Y”				121.99	
	TOTAL				935.28	Z
	Add Cess @ 1% on “Z”				9.35	
	Cost of 10 cudm.				944.63	
	Cost of 1 cum.				94463.00	
	Say				94463.00	

7.20.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
	MATERIAL					
	Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.					
1161	White sand stone block	10 cudm	1.333	205.00	273.27	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm = 13.33x2.30=30.659 kg = 0.03065 tonne say 0.031t.	tonne	0.031	0.00	0.00	
9999	Extra for using white cement	L.S.	8.06	2.27	18.30	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.291	816.00	237.46	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.044	736.00	32.38	
0115	Coolie	day	0.022	736.00	16.19	
0100	Bandhani	day	0.044	816.00	35.90	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.044	816.00	35.90	
0102	Blacksmith 1st class	day	0.006	897.00	5.38	
0114	Beldar	day	0.022	736.00	16.19	
0115	Coolie	day	0.022	736.00	16.19	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0100	Bandhani	day	0.022	816.00	17.95	
0101	Bhisti	day	0.022	816.00	17.95	
9999	Scaffolding	L.S.	2.73	2.27	6.20	
9999	Mortar for laying and pointing	L.S.	8.06	2.27	18.30	
	Extra labour for lifting of materials upto floor V level (0.01x1.50=0.015)					
0115	Coolie	day	0.015	736.00	11.04	
	TOTAL				763.98	W
	Add 1 % Water charges on “W”				7.64	
	TOTAL				771.62	X
	Add GST on “X” (multiplying factor 0.2127)				164.12	
	TOTAL				935.74	Y
	Add 15% CPOH on “Y”				140.36	
	TOTAL				1076.10	Z
	Add Cess @ 1% on “Z”				10.76	
	Cost of 10 cudm.				1086.86	
	Cost of 1 cum.				108686.00	
	Say				108686.00	

7.21 Extra for stone work ashlar sunk or moulded or sunk and moulded or carved in :

7.21.1 Triangular or Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm or 0.01 cum					
9999	LABOUR	L.S.	11.70	2.27	26.56	
	TOTAL				26.56	W
	Add 1 % Water charges on “W”				0.27	
	TOTAL				26.83	X
	Add GST on “X” (multiplying factor 0.2127)				5.71	
	TOTAL				32.54	Y
	Add 15% CPOH on “Y”				4.88	
	TOTAL				37.42	Z
	Add Cess @ 1% on “Z”				0.37	
	Cost of 10 cudm.				37.79	
	Cost of 1 cum.				3779.00	
	Say				3779.00	

7.21.2 Circular or polygonal pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Details of cost for 10 cudm or 0.01 cum LABOUR	L.S.	33.15	2.27	75.25	
	TOTAL				75.25	W
	Add 1 % Water charges on “W”				0.75	
	TOTAL				76.00	X
	Add GST on “X” (multiplying factor 0.2127)				16.17	
	TOTAL				92.17	Y
	Add 15% CPOH on “Y”				13.83	
	TOTAL				106.00	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z"				1.06	
	Cost of 10 cudm.				107.06	
	Cost of 1 cum.				10706.00	
	Say				10706.00	

7.22 Extra for stone work ashlar sunk or moulded in cornices.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a cornice 30cm long, 60cm deep and 15cm projection					
	Extra labour :					
0125	Mason (for plain stone work) 2nd class)	day	0.50	816.00	408.00	
0114	Beldar	day	0.75	736.00	552.00	
	TOTAL				960.00	W
	Add 1 % Water charges on "W"				9.60	
	TOTAL				969.60	X
	Add GST on "X" (multiplying factor 0.2127)				206.23	
	TOTAL				1175.83	Y
	Add 15% CPOH on "Y"				176.37	
	TOTAL				1352.20	Z
	Add Cess @ 1% on "Z"				13.52	
	Cost of 30cm long 60cm deep and 15cm girth				1365.72	
	Cost of per metre per cm girth (60cm deep)				303.49	
	Say				303.50	

7.24 Extra for stone work (veneer work) curved on plan with a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 cudm.					
9999	Labour and materials	L.S.	8.97	2.27	20.36	
	TOTAL				20.36	W
	Add 1 % Water charges on "W"				0.20	
	TOTAL				20.56	X
	Add GST on "X" (multiplying factor 0.2127)				4.37	
	TOTAL				24.93	Y
	Add 15% CPOH on "Y"				3.74	
	TOTAL				28.67	Z
	Add Cess @ 1% on "Z"				0.29	
	Cost of 10 cudm.				28.96	
	Cost of 1 cum.				2896.00	
	Say				2896.00	

7.26 Providing and fixing stone dowels 10x5x2.50 cm cut to double wedge shape as per design in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one dowel					
9999	Cost of stone including carriage	L.S.	9.10	2.27	20.66	
9999	Labour for dressing dowel cutting chase and fixing etc.	L.S.	5.33	2.27	12.10	
	Cement mortar 1:2 (1 cement : 2 coarse sand)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5584.50	5.58	
	TOTAL				38.34	W
	Add 1 % Water charges on "W"				0.38	
	TOTAL				38.72	X
	Add GST on "X" (multiplying factor 0.2127)				8.24	
	TOTAL				46.96	Y
	Add 15% CPOH on "Y"				7.04	
	TOTAL				54.00	Z
	Add Cess @ 1% on "Z"				0.54	
	Cost of each dowel				54.54	
	Say				54.55	

7.28 Providing and fixing sloping chajja of stone 40 mm thick and upto 80 cm wide beyond the wall as measured along the slope in cement mortar 1:4 (1 cement : 4 coarse sand) with 12 mm diameter anchoring steel bar, 45 cm long, fixed in each stone and supported on and including with bricks cove in cement mortar 1:4 (1 cement : 4 coarse sand), including pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.28.1 Red sand stone :

7.28.1.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a chajja 2.00 sqm. (finished work)					
	MATERIAL					
	Chisel dressed 80cm sloping length plus 20cm bearing Area = 2.5xl.00=2.50sqm					
1164	Red sand stone slab 40 mmthick (un-dressed)	sqm	2.75	330.00	907.50	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.253	0.00	0.00	
	Labour for dressing:					
0125	Mason (for plain stone work) 2nd class)	day	0.50	816.00	408.00	
1002	Mild steel round bar 12 mm dia and below	quintal	0.02	5550.00	111.00	
9999	Cutting threads and cost of nuts, washers, etc.	L.S.	67.34	2.27	152.86	
	Mortar for pointing 1:2 (1 Cement : 2 Stone dust)					
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.009	5252.00	47.27	
9999	Pigment	L.S.	6.24	2.27	14.16	
9999	Extra cost of white cement	L.S.	26.91	2.27	61.09	
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.00	816.00	816.00	
0114	Beldar	day	1.50	736.00	1104.00	
9999	Scaffolding and sundries etc.	L.S.	16.12	2.27	36.59	
	Brick cover support 4 courses with bricks of class designation 75 4x7+5+5=38cm girth 2.5m length =38cmx2.5m=95cm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Cost of Brick cover support.	L.S.	104.00	2.27	236.08	
	Brick work in triangular gap above cover with bricks of class designation 7.5 in cement mortar 1:4					
	1/2x2.5x0.2x0.07=0.018cum.					
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.018	9344.35	168.20	A
	TOTAL				4062.75	W
	Add 1 % Water charges on “W-A”				38.95	
	TOTAL				4101.70	X
	Add GST on “X-A” (multiplying factor 0.2127)				836.66	
	TOTAL				4938.36	Y
	Add 15% CPOH on “Y-A”				715.52	
	TOTAL				5653.88	Z
	Add Cess @ 1% on “Z-A”				54.86	
	Cost of 2 sqm.				5708.74	
	Cost of 1 sqm.				2854.37	
	Say				2854.35	

7.28.2 White sand stone :

7.28.2.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a chajja 2.00 sqm.					
	(finished work)					
	MATERIAL					
	Chisel dressed 80cm sloping length plus 20cm bearing Area = 2.5x1.00=2.50sqm					
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	2.75	370.00	1017.50	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/ cudm.	tonne	0.253	0.00	0.00	
	Labour for dressing:					
0125	Mason (for plain stone work) 2nd class)	day	0.50	816.00	408.00	
	Labour for dressing:					
	Anchoring steel bars 12mm dia. 45cm long, 5 Nos. @ 0.80kg/m = 0.02q					
1002	Mild steel round bar 12 mm dia and below	quintal	0.02	5550.00	111.00	
9999	Cutting threads and cost of nuts, wash-ers, etc.	L.S.	67.34	2.27	152.86	
	Mortar for pointing 1:2 (1 Cement : 2 Stone dust)					
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.009	5252.00	47.27	
9999	Pigment	L.S.	6.24	2.27	14.16	
9999	Extra cost of white cement	L.S.	26.91	2.27	61.09	
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.00	816.00	816.00	
0114	Beldar	day	1.50	736.00	1104.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Scaffolding and sundries etc.	L.S.	16.12	2.27	36.59	
	Brick cover support 4 courses with bricks of class designation 75 4x7+5+5=38cm girth 2.5m length =38cmx2.5m=95cm					
9999	Cost for Brick cover support .	L.S.	104.00	2.27	236.08	
	Brick work in triangular gap above cover with bricks of class designation 5 in cement mortar 1:4 1/2x2.5x0.2x0.07=0.018cum.					
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.018	9344.35	168.20	A
	TOTAL				4172.75	W
	Add 1 % Water charges on “W-A”				40.05	
	TOTAL				4212.80	X
	Add GST on “X-A” (multiplying factor 0.2127)				860.29	
	TOTAL				5073.09	Y
	Add 15% CPOH on “Y-A”				735.73	
	TOTAL				5808.82	Z
	Add Cess @ 1% on “Z-A”				56.41	
	Cost of 2 sqm.				5865.23	
	Cost of 1 sqm.				2932.62	
	Say				2932.60	

7.29 Providing and fixing horizontal chajja of stone 40 mm thick and upto 80 cm projection in cement mortar 1:4 (1 cement : 4 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :

7.29.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for (2.5x0.75m) 1.875 sqm. MATERIAL Taking 2.5mx75cm projection + 15cm bearing = 2.5x0.9 = 2.25 sqm.					
1164	Red sand stone slab 40 mmthick (undressed)	sqm	2.25	330.00	742.50	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/ cudm.	tonne	0.227	0.00	0.00	
	Labour for dressing:					
0125	Mason (for plain stone work) 2nd class)	day	0.45	816.00	367.20	
9999	Mortar for pointing 1:2	L.S.	53.82	2.27	122.17	
9999	Pigment	L.S.	6.24	2.27	14.16	
9999	Extra cost of white cement	L.S.	26.91	2.27	61.09	
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.60	816.00	489.60	
0114	Beldar	day	0.80	736.00	588.80	
9999	Scaffolding and sundries etc.	L.S.	13.52	2.27	30.69	
	TOTAL				2416.21	W
	Add 1 % Water charges on “W”				24.16	
	TOTAL				2440.37	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				519.07	
	TOTAL				2959.44	Y
	Add 15% CPOH on "Y"				443.92	
	TOTAL				3403.36	Z
	Add Cess @ 1% on "Z"				34.03	
	Cost of 1.875 sqm.				3437.39	
	Cost of 1 sqm.				1833.27	
	Say				1833.25	

7.29.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for (2.5x0.75m) 1.875 sqm.					
	MATERIAL					
	Taking 2.5mx75cm projection + 15cm bearing = 2.5x0.9 = 2.25 sqm.					
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	2.25	370.00	832.50	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/ cudm.	tonne	0.227	0.00	0.00	
	Labour for dressing:					
0125	Mason (for plain stone work) 2nd class)	day	0.45	816.00	367.20	
9999	Mortar for pointing 1:2	L.S.	53.82	2.27	122.17	
9999	Pigment	L.S.	6.24	2.27	14.16	
9999	Extra cost of white cement	L.S.	26.91	2.27	61.09	
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.60	816.00	489.60	
0114	Beldar	day	0.80	736.00	588.80	
9999	Scaffolding and sundries etc.	L.S.	13.52	2.27	30.69	
	TOTAL				2506.21	W
	Add 1 % Water charges on "W"				25.06	
	TOTAL				2531.27	X
	Add GST on "X" (multiplying factor 0.2127)				538.40	
	TOTAL				3069.67	Y
	Add 15% CPOH on "Y"				460.45	
	TOTAL				3530.12	Z
	Add Cess @ 1% on "Z"				35.30	
	Cost of 1.875 sqm.				3565.42	
	Cost of 1 sqm.				1901.56	
	Say				1901.55	

7.30 30 mm red sand stone sun-shade (chisel-dressed) supported on red sand stone brackets, fixed in walls with cement mortar 1:4 (1 cement : 4 coarse sand), including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for window 1.6m length and 0.70m width = 1.12 sqm.					
	MATERIAL					
	over all width 0.70+0.15=0.85 metres					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total area = 1.6x0.85=1.36sqm.					
	Red stone brackets (chisel dressed) 30mm average thickness over all width of brackets					
	0.53+0.23=0.76m					
	2x0.3x0.76=0.46					
	Total 1.36+0.46 =1.82sqm.+					
	Add wastage @10% = 0.18sqm.					
	Total = 2.00 sqm.					
1166	Red sand stone slab 30 mmthick (un-dressed)	sqm	2.00	300.00	600.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.14	0.00	0.00	
9999	Cement mortar 1 :4	L.S.	13.52	2.27	30.69	
	Labour for dressing and fixing:					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.86	816.00	701.76	
0114	Beldar	day	0.50	736.00	368.00	
	TOTAL				1700.45	W
	Add 1 % Water charges on “W”				17.00	
	TOTAL				1717.45	X
	Add GST on “X” (multiplying factor 0.2127)				365.30	
	TOTAL				2082.75	Y
	Add 15% CPOH on “Y”				312.41	
	TOTAL				2395.16	Z
	Add Cess @ 1% on “Z”				23.95	
	Cost for 1.12 sqm.				2419.11	
	Cost of 1 sqm.				2159.92	
	Say				2159.90	

7.31 Providing and fixing red sand stone brackets 55x22.5x45 cm sunk and moulded including providing and fixing with 4 Nos gun metal cramp 25x6 mm 30 cm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 brackets					
	Quantity of stone for 10 brackets					
	10x 0.55 x 0.225 x 0.45m = 0.560 cum or 560 cudm.					
	Red sand stone = 560 cudm.					
	Add wastage 10% = 56 cudm.					
	Total = 616 cudm.					
1160	Red sand stone block	10 cudm	61.600	130.00	8008.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/ cudm.	tonne	1.417	0.00	0.00	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	17.926	816.00	14627.62	
0102	Blacksmith 1st class	day	0.370	897.00	331.89	
0114	Beldar	day	2.710	736.00	1994.56	
0115	Coolie	day	1.355	736.00	997.28	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0100	Bandhani	day	2.710	816.00	2211.36	
0373	Cramp Gun metal 25x6x300 mm	each	40.000	88.00	3520.00	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.464	816.00	2010.62	
0102	Blacksmith 1st class	day	0.336	897.00	301.39	
0114	Beldar	day	1232	736.00	906.75	
0115	Coolie	day	1232	736.00	906.75	
0100	Bandhani	day	1232	816.00	1005.31	
0101	Bhisti	day	1232	816.00	1005.31	
9999	Scaffolding	L.S.	152.90	2.27	347.08	
9999	Mortar for laying and pointing	L.S.	451.400	2.27	1024.68	
	Extra labour for ornamental finish :					
0126	Mason (for ornamental stone work) 1st class	day	9.500	897.00	8521.50	
	TOTAL				47720.10	W
	Add 1 % Water charges on “W”				477.20	
	TOTAL				48197.30	X
	Add GST on “X” (multiplying factor 0.2127)				1051.57	
	TOTAL				58448.87	Y
	Add 15% CPOH on “Y”				8767.33	
	TOTAL				67216.20	Z
	Add Cess @ 1% on “Z”				672.16	
	Cost of 10 Bracket				67888.36	
	Cost for 1 Bracket				6788.84	
	Say				6788.85	

7.32 Stone work, plain in copings, cornices, string courses and plinth courses, upto 75 mm thick in Cement mortar 1:6 (1 cement : 6 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.

7.32.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 cornices (30cm long, 30cm deep and 7.5cm project-iron) = 100x6.75cudm = 675 cudm					
	MATERIAL					
	Stone work plain ashlar cyclopean					
	100x3x3x0.75 = 675 cudm					
7.12.1.1	Rate as per item no 7.12.1.1 of SH : Stone Work	cum	0.675	68294.00	46098.45	A
9999	Extra for using white cement	L.S.	533.000	2.27	1209.91	
	Extra labour for making the cornices					
0125	Mason (for plain stone work) 2nd class)	day	7.000	816.00	5712.00	
0114	Beldar	day	7.000	736.00	5152.00	
	TOTAL				58172.36	W
	Add 1 % Water charges on “W-A”				120.74	
	TOTAL				58293.10	X
	Add GST on “X-A” (multiplying factor 0.2127)				2593.80	
	TOTAL				60886.90	Y
	Add 15% CPOH on “Y-A”				2218.27	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				63105.17	Z
	Add Cess @ 1% on "Z-A"				170.07	
	Cost of 675 cudm				63275.24	
	Cost per cum.				93741.10	
	Say				93741.10	

7.32.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 cornices (30cm long 30cm deep and 7.5cm project-iron) = 100x6.75cudm = 675 cudm. MATERIAL					
	Stone work plain ashlar cyclopean 100x3x3x0.75 = 675 cudm					
7.12.1.2	Rate as per item no 7.12.1.2 of SH : Stone Work	cum	0.675	82518.00	55699.65	A
9999	Extra for using white cement	L.S.	533.000	2.27	1209.91	
	Extra labour for making the cornices					
0125	Mason (for plain stone work) 2nd class)	day	7.000	816.00	5712.00	
0114	Beldar	day	7.000	736.00	5152.00	
	TOTAL				67773.56	W
	Add 1 % Water charges on "W-A"				120.74	
	TOTAL				67894.30	X
	Add GST on "X-A" (multiplying factor 0.2127)				2593.80	
	TOTAL				70488.10	Y
	Add 15% CPOH on "Y-A"				2218.27	
	TOTAL				72706.37	Z
	Add Cess @ 1% on "Z-A"				170.07	
	Cost of 675 cudm.				72876.44	
	Cost per cum.				107965.10	
	Say				107965.10	

7.33 Providing and fixing stone jali 40 mm thick throughout in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc.

7.33.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm MATERIAL					
	Red sand stone slab 40mm = 1.00 sqm. Add 10% wastage = 0.10 sqm. Total = 1.10 sqm.					
1164	Red sand stone slab 40 mm thick (un-dressed)	sqm	1.10	330.00	363.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.101	0.00	0.00	
	LABOUR For making, dressing and fixing					
0125	Mason (for plain stone work) 2nd class)	day	7.62	816.00	6217.92	
0114	Beldar	day	5.07	736.00	3731.52	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Mortar and Sundries	L.S.	80.73	2.27	183.26	
	TOTAL				10495.70	W
	Add 1 % Water charges on "W"				104.96	
	TOTAL				10600.66	X
	Add GST on "X" (multiplying factor 0.2127)				2254.76	
	TOTAL				12855.42	Y
	Add 15% CPOH on "Y"				1928.31	
	TOTAL				14783.73	Z
	Add Cess @ 1% on "Z"				147.84	
	Cost of 1 sqm.				14931.57	
	Say				14931.55	

7.33.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
	White sand stone slab 40mm = 1.00 sqm. Add 10% wastage = 0.10 sqm. Total = 1.10 sqm.					
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	1.10	370.00	407.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.101	0.00	0.00	
	LABOUR					
	For making, dressing and fixing					
0125	Mason (for plain stone work) 2nd class)	day	7.62	816.00	6217.92	
0114	Beldar	day	5.07	736.00	3731.52	
9999	Mortar and Sundries	L.S.	80.73	2.27	183.26	
	TOTAL				10539.70	W
	Add 1 % Water charges on "W"				105.40	
	TOTAL				10645.10	X
	Add GST on "X" (multiplying factor 0.2127)				2264.21	
	TOTAL				12909.31	Y
	Add 15% CPOH on "Y"				1936.40	
	TOTAL				14845.71	Z
	Add Cess @ 1% on "Z"				148.46	
	Cost of 1 sqm.				14994.17	
	Say				14994.15	

7.34 Extra for laying stone work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.

NOTE :- The quantity will be calculated by multiplying the depth measured from sub-soil water level up to the centre of gravity of stone work under sub - water with the quantity of stone work in cum executed under the sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, (0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4.2 cum per 1 m depth (14 cum per 0.3m depth) Quantity of concrete = 14 cum. pumping hours = 3 hrs. on 0.375day.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0011	Hire charges of Pumpset of capacity 4000 litres/hour. for cleaning slush	day	0.375	800.00	300.00	
0114	Beldar	day	4.00	736.00	2944.00	
	TOTAL				3244.00	W
	Add 1 % Water charges on "W"				32.44	
	TOTAL				3276.44	X
	Add GST on "X" (multiplying factor 0.2127)				696.90	
	TOTAL				3973.34	Y
	Add 15% CPOH on "Y"				596.00	
	TOTAL				4569.34	Z
	Add Cess @ 1% on "Z"				45.69	
	Cost of 4.2cum per 1 metre depth				4615.03	
	Cost of cum per metre depth				1098.82	
	Say				1098.80	

7.35 Extra for laying stone work in or under foul condition.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 cum.					
	Extra labour due to slow progress-					
0123	Mason 1st class	day	0.02	897.00	17.94	
0124	Mason 2nd class	day	0.02	816.00	16.32	
0114	Beldar	day	0.25	736.00	184.00	
0115	Coolie	day	0.15	736.00	110.40	
	TOTAL				328.66	W
	Add 1 % Water charges on "W"				3.29	
	TOTAL				331.95	X
	Add GST on "X" (multiplying factor 0.2127)				70.61	
	TOTAL				402.56	Y
	Add 15% CPOH on "Y"				60.38	
	TOTAL				462.94	Z
	Add Cess @ 1% on "Z"				4.63	
	Cost for 1 cum.				467.57	
	Say				467.55	

7.38 Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade.

7.38.1 8mm thick (mirror polished and machine cut edge)

7.38.1.1 Granite stone of any colour and shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Granite stone tile = 10.00sqm.					
	Add 2.5% wastage = 0.25sqm.					
	Total =10.25 sqm					
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	10.25	702.00	7195.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage of granite tiles	L.S.	40.04	2.27	90.89	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.14	4881.95	683.47	
0367	Portland Cement slurry @ 3.3 kg/sqm	tonne	0.033	5156.00	170.15	
9999	Mortar for pointing in white cement	L.S.	25.74	2.27	58.43	
	LABOUR					
	Labour for placing and fixing :					
0123	Mason 1st class	day	7.70	897.00	6906.90	
0114	Beldar	day	7.70	736.00	5667.20	
9999	Granular sand particles mixed with araldite to be pasted on each side to form interlocking arrangement with cement plaster	L.S.	260.00	2.27	590.20	
9999	Sundries	L.S.	171.60	2.27	389.53	
	TOTAL				21752.27	W
	Add 1 % Water charges on “W”				217.52	
	TOTAL				21969.79	X
	Add GST on “X” (multiplying factor 0.2127)				4672.97	
	TOTAL				26642.76	Y
	Add 15% CPOH on “Y”				3996.41	
	TOTAL				30639.17	Z
	Add Cess @ 1% on “Z”				306.39	
	Cost for 10 sqm.				30945.56	
	Cost of 1 sqm.				3094.56	
	Say				3094.55	

7.38.1.2 Raj Nagar plain white marble/ Udaipur green marble/ Zebra black marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	8mm thick Raj Nagar white stone tile = 10.00sqm.+ Add 2.5% wastage = 0.25sqm. Total = 10.25sqm					
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	10.25	477.00	4889.25	
9977	Carriage of Raj Nagar white stone tiles	L.S.	40.04	2.27	90.89	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.14	4881.95	683.47	
0367	Portland Cement slurry @ 3.3 kg/sqm	tonne	0.033	5156.00	170.15	
9999	Mortar for pointing in white cement	L.S.	25.74	2.27	58.43	
	Labour for placing and fixing :					
0123	Mason 1st class	day	7.70	897.00	6906.90	
0114	Beldar	day	7.70	736.00	5667.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Granular sand particles mixed with araldite to be pasted on each side to form interlocking arrangement with cement plaster	L.S.	260.00	2.27	590.20	
9999	Sundries	L.S.	171.6	2.27	389.53	
	TOTAL				19446.02	W
	Add 1 % Water charges on “W”				194.46	
	TOTAL				19640.48	X
	Add GST on “X” (multiplying factor 0.2127)				4177.53	
	TOTAL				23818.01	Y
	Add 15% CPOH on “Y”				3572.70	
	TOTAL				27390.71	Z
	Add Cess @ 1% on “Z”				273.91	
	Cost for 10 sqm.				27664.62	
	Cost of 1 sqm.				2766.46	
	Say				2766.45	

SUB HEAD : 8.0

CLADDING WORK

8.1 Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately).

8.1.1 Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble.

8.1.1.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 sqm.					
	MATERIAL					
	Finished work = 5sqm. Add for wastage @ 20% = 1 sqm. Total = 6 sqm.					
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	6.000	570.00	3420.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.300	0.00	0.00	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.080	4881.95	390.56	
	White cement mortar 1:2 (1 white cement : 2 marble dust)					
3.15	Rate as per Item Number 3.15 of SH: Mortars	cum	0.012	8961.90	107.54	
	LABOUR					
	For fixing					
0126	Mason (for ornamental stone work) 1st class	day	3.350	897.00	3004.95	
0100	Bandhani	day	3.350	816.00	2733.60	
0114	Beldar	day	3.350	736.00	2465.60	
0115	Coolie	day	3.350	736.00	2465.60	
0101	Bhisti	day	3.350	816.00	2733.60	
0128	Mate	day	1.650	816.00	1346.40	
0102	Blacksmith 1st class	day	1.350	897.00	1210.95	
9999	Scaffolding	L.S.	133.900	2.27	303.95	
	TOTAL				20182.75	W
	Add 1 % Water charges on “W”				201.83	
	TOTAL				20384.58	X
	Add GST on “X” (multiplying factor 0.2127)				4335.80	
	TOTAL				24720.38	Y
	Add 15% CPOH on “Y”				3708.06	
	TOTAL				28428.44	Z
	Add Cess @ 1% on “Z”				284.28	
	Cost for 5 sqm.				28712.72	
	Cost for one sqm.				5742.54	
	Say				5742.55	

8.1.1.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	Finished work = 10 sqm. Add for wastage @ 20% = 2 sqm. Total = 12 sqm.					
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	12.000	690.00	8280.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.600	0.00	0.00	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4881.95	703.00	
	White cement mortar 1:2 (1 white cement : 2 marble dust)					
3.15	Rate as per Item Number 3.15 of SH: Mortars	cum	0.025	8961.90	224.05	
	LABOUR					
	For fixing					
0126	Mason (for ornamental stone work) 1st class	day	6.700	897.00	6009.90	
0100	Bandhani	day	6.700	816.00	5467.20	
0114	Beldar	day	6.700	736.00	4931.20	
0115	Coolie	day	6.700	736.00	4931.20	
0101	Bhisti	day	6.700	816.00	5467.20	
0128	Mate	day	3.300	816.00	2692.80	
0102	Blacksmith 1st class	day	2.700	897.00	2421.90	
9999	Scaffolding	L.S.	269.100	2.27	610.86	
	TOTAL				41739.31	W
	Add 1 % Water charges on “W”				417.39	
	TOTAL				42156.70	X
	Add GST on “X” (multiplying factor 0.2127)				8966.73	
	TOTAL				51123.43	Y
	Add 15% CPOH on “Y”				7668.51	
	TOTAL				58791.94	Z
	Add Cess @ 1% on “Z”				587.92	
	Cost for 10 sqm				59379.86	
	Cost for one sqm				5937.99	
	Say				5938.00	

8.2 Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.

8.2.1 Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble

8.2.1.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.50 sqm.					
	MATERIAL					
	Mirror polished Abu plain white = 0.50 sqm.+Wastage 5% 0.025 sqm. = 0.525 sqm					
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	0.525	570.00	299.25	
	20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	4211.70	50.54	
	LABOUR					
0123	Mason 1st class	day	0.48	897.00	430.56	
0114	Beldar	day	0.20	736.00	147.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	0.20	736.00	147.20	
9999	Moulding and edge polishing	L.S.	39.00	2.27	88.53	
9999	Sundries apoxy resin & cutting machine etc.	L.S.	16.25	2.27	36.89	
	TOTAL				1200.17	W
	Add 1 % Water charges on “W”				12.00	
	TOTAL				1212.17	X
	Add GST on “X” (multiplying factor 0.2127)				257.83	
	TOTAL				1470.00	Y
	Add 15% CPOH on “Y”				220.50	
	TOTAL				1690.50	Z
	Add Cess @ 1% on “Z”				16.91	
	Cost for 0.50 sqm.				1707.41	
	Cost for 1.00 sqm				3414.82	
	Say				3414.80	

8.2.1.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.00 sqm.					
	MATERIAL					
	Mirror polished Abu plain white = 1.00 sqm.+ Wastage 5% (0.05sqm.)= 1.05 sqm					
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	1.05	690.00	724.50	
	20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	4211.70	101.08	
	LABOUR					
0123	Mason 1st class	day	0.72	897.00	645.84	
0114	Beldar	day	0.30	736.00	220.80	
0115	Coolie	day	0.30	736.00	220.80	
9999	Moulding and edge polishing	L.S.	78.00	2.27	177.06	
9999	Sundries apoxy resin & cutting machine etc.	L.S.	32.50	2.27	73.78	
	TOTAL				2163.86	W
	Add 1 % Water charges on “W”				21.64	
	TOTAL				2185.50	X
	Add GST on “X” (multiplying factor 0.2127)				464.86	
	TOTAL				2650.36	Y
	Add 15% CPOH on “Y”				397.55	
	TOTAL				3047.91	Z
	Add Cess @ 1% on “Z”				30.48	
	Cost for 1.00 sqm.				3078.39	
	Say				3078.40	

8.2.2 Granite stone slab of colour black, Cherry/Ruby red

8.2.2.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.50 sqm.					
	MATERIAL					
	Mirror polished granite = 0.50 sqm.+Wastage 5% 0.025 sqm. = 0.525 sqm					
7295	Granite of colour black, cherry/ruby red 18 mm thick (slab area upto 0.50 sqm)	sqm	0.525	1908.00	1001.70	
	20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	4211.70	50.54	
	LABOUR					
0123	Mason 1st class	day	0.48	897.00	430.56	
0114	Beldar	day	0.20	736.00	147.20	
0115	Coolie	day	0.20	736.00	147.20	
9999	Moulding and edge polishing	L.S.	39.00	2.27	88.53	
9999	Sundries apoxy resin & cutting machine etc.	L.S.	16.25	2.27	36.89	
	TOTAL				1902.62	W
	Add 1 % Water charges on “W”				19.03	
	TOTAL				1921.65	X
	Add GST on “X” (multiplying factor 0.2127)				408.73	
	TOTAL				2330.38	Y
	Add 15% CPOH on “Y”				349.56	
	TOTAL				2679.94	Z
	Add Cess @ 1% on “Z”				26.80	
	Cost for 0.50 sqm.				2706.74	
	Cost for 1.00 sqm				5413.48	
	Say				5413.50	

8.2.2.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.00 sqm.					
	MATERIAL					
	Mirror polished granite = 2.00 sqm.+ Wastage 5% = 0.10sqm, Total = 2.10 sqm					
7298	Granite of colour black, cherry/ruby red 18 mm thick (slab area more than 0.50 sqm)	sqm	2.10	2152.00	4519.20	
	20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.048	4211.70	202.16	
	LABOUR					
0123	Mason 1st class	day	1.44	897.00	1291.68	
0114	Beldar	day	0.60	736.00	441.60	
0115	Coolie	day	0.60	736.00	441.60	
9999	Moulding and edge polishing	L.S.	78.00	2.27	177.06	
9999	Sundries apoxy resin & cutting machine etc.	L.S.	65.00	2.27	147.55	
	TOTAL				7220.85	W
	Add 1 % Water charges on “W”				72.21	
	TOTAL				7293.06	X
	Add GST on “X” (multiplying factor 0.2127)				1551.23	
	TOTAL				8844.29	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				1326.64	
	TOTAL				10170.93	Z
	Add Cess @ 1% on "Z"				101.71	
	Cost for 2.00 sqm.				10272.64	
	Cost of 1 sqm				5136.32	
	Say				5136.30	

8.2.3 Granite stone slab of all colour and texture except black, Cherry/Ruby red

8.2.3.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.50 sqm.					
	MATERIAL					
	Mirror polished granite = 0.50 sqm.+Wastage 5% 0.025 sqm. = 0.525 sqm					
7297	Granite stone slab all colour and texture except black, Cherry/Ruby red 18 mm thick (slab area upto 0.50 sqm)	sqm	0.525	1076.00	564.90	
	20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	4211.70	50.54	
	LABOUR					
0123	Mason 1st class	day	0.48	897.00	430.56	
0114	Beldar	day	0.20	736.00	147.20	
0115	Coolie	day	0.20	736.00	147.20	
9999	Moulding and edge polishing	L.S.	39.00	2.27	88.53	
9999	Sundries apoxy resin & cutting machine etc.	L.S.	16.25	2.27	36.89	
	TOTAL				1465.82	W
	Add 1 % Water charges on "W"				14.66	
	TOTAL				1480.48	X
	Add GST on "X" (multiplying factor 0.2127)				314.90	
	TOTAL				1795.38	Y
	Add 15% CPOH on "Y"				269.31	
	TOTAL				2064.69	Z
	Add Cess @ 1% on "Z"				20.65	
	Cost for 0.50 sqm.				2085.34	
	Cost for 1.00 sqm				4170.68	
	Say				4170.70	

8.2.3.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.00 sqm.					
	MATERIAL					
	Mirror polished granite = 2.00 sqm.+ Wastage 5% = 0.10sqm, Total = 2.10 sqm					
7299	Granite stone slab all colour and texture except black, Cherry/Ruby red 18 mm thick (slab area more than 0.50 sqm)	sqm	2.10	1290.00	2709.00	
	20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.048	4211.70	202.16	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason 1st class	day	1.44	897.00	1291.68	
0114	Beldar	day	0.60	736.00	441.60	
0115	Coolie	day	0.60	736.00	441.60	
9999	Moulding and edge polishing	L.S.	78.00	2.27	177.06	
9999	Sundries apoxy resin & cutting machine etc.	L.S.	65.00	2.27	147.55	
	TOTAL				5410.65	W
	Add 1 % Water charges on “W”				54.11	
	TOTAL				5464.76	X
	Add GST on “X” (multiplying factor 0.2127)				1162.35	
	TOTAL				6627.11	Y
	Add 15% CPOH on “Y”				994.07	
	TOTAL				7621.18	Z
	Add Cess @ 1% on “Z”				76.21	
	Cost for 2.00 sqm.				7697.39	
	Cost of 1 sqm				3848.70	
	Say				3848.70	

8.3 Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.

8.3.1 Marble work

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00 m					
	LABOUR					
0019	Hand Grinder For mirror polish	day	1.50	300.00	450.00	
0114	Beldar	day	2.00	736.00	1472.00	
9999	Sundries Blades & Polished etc.	L.S.	78.00	2.27	177.06	
	TOTAL				2099.06	W
	Add 1 % Water charges on “W”				20.99	
	TOTAL				2120.05	X
	Add GST on “X” (multiplying factor 0.2127)				450.93	
	TOTAL				2570.98	Y
	Add 15% CPOH on “Y”				385.65	
	TOTAL				2956.63	Z
	Add Cess @ 1% on “Z”				29.57	
	Cost for 10 metre				2986.20	
	Cost per metre				298.62	
	Say				298.60	

8.3.2 Granite work

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00 m					
	LABOUR					
0019	Hand Grinder For mirror polish	day	2.50	300.00	750.00	
0114	Beldar	day	3.50	736.00	2576.00	
9999	Sundries Blades & Polished etc.	L.S.	117.00	2.27	265.59	
	TOTAL				3591.59	W
	Add 1 % Water charges on “W”				35.92	
	TOTAL				3627.51	X
	Add GST on “X” (multiplying factor 0.2127)				771.57	
	TOTAL				4399.08	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				659.86	
	TOTAL				5058.94	Z
	Add Cess @ 1% on "Z"				50.59	
	Cost for 10 metre				5109.53	
	Cost per metre				510.95	
	Say				510.95	

8.4 Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for facia 1.5m long and 0.15m wide					
	LABOUR					
0123	Mason 1st class	day	0.30	897.00	269.10	
0115	Coolie	day	0.30	736.00	220.80	
9999	Scaffolding, expoxy	L.S.	39.00	2.27	88.53	
	Cement mortar 1 : 4 (1 cement :4 coarse sand) 1.5x0.15x0.02 = 0.005cum.					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.005	4211.70	21.06	
	TOTAL				599.49	W
	Add 1 % Water charges on "W"				5.99	
	TOTAL				605.48	X
	Add GST on "X" (multiplying factor 0.2127)				128.79	
	TOTAL				734.27	Y
	Add 15% CPOH on "Y"				110.14	
	TOTAL				844.41	Z
	Add Cess @ 1% on "Z"				8.44	
	Cost for 1.5 metre				852.85	
	Cost per metre				568.57	
	Say				568.55	

8.5 Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for providing an opening of required size and shape					
	LABOUR					
0126	Mason (for ornamental stone work) 1st class	day	0.40	897.00	358.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	15.30	2.27	34.73	
	TOTAL				687.93	W
	Add 1 % Water charges on "W"				6.88	
	TOTAL				694.81	X
	Add GST on "X" (multiplying factor 0.2127)				147.79	
	TOTAL				842.60	Y
	Add 15% CPOH on "Y"				126.39	
	TOTAL				968.99	Z
	Add Cess @ 1% on "Z"				9.69	
	Cost of each				978.68	
	Say				978.70	

8.6 Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	LABOUR					
0013	Machine for rubbing of floors	day	1.00	350.00	350.00	
0114	Beldar	day	2.50	736.00	1840.00	
0101	Bhisti	day	1.50	816.00	1224.00	
9999	Sundries grease, mop grinding stones etc.	L.S.	65.00	2.27	147.55	
	TOTAL				3561.55	W
	Add 1 % Water charges on “W”				35.62	
	TOTAL				3597.17	X
	Add GST on “X” (multiplying factor 0.2127)				765.12	
	TOTAL				4362.29	Y
	Add 15% CPOH on “Y”				654.34	
	TOTAL				5016.63	Z
	Add Cess @ 1% on “Z”				50.17	
	Cost for 10 sqm.				5066.80	
	Cost per sqm.				506.68	
	Say				506.70	

8.7 Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement :2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).

8.7.1 Gunmetal cramps

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1.03kg					
	MATERIAL					
	Gun metal cramp					
	10 x 0.064 x 0.025 x 0.006 = 9.6 x 10^(-5)					
	10 x 0.025 x 0.025 x 0.006 = 3.7 x 10^(-5)					
	= 13.3 x 10^(-5)					
	less hole 10 x 0.024 x 0.010 x 0.006 =					
	1.4 x 10^(-5)					
	= 11.9 x 10^5 x 8640 = 1.03 kg					
	Add wastage @ 5% = 0.051kg.					
	Total = 1.08 kg.					
7338	Gun metal cramp	kilo-gram	1.08	335.00	361.80	
9977	Carriage	L.S.	3.90	2.27	8.85	
	Cement mortar 1:2 (1 cement : 2 coarse sand)					
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5584.50	5.58	
9999	Labour for fixing in position	L.S.	65.00	2.27	147.55	
	TOTAL				523.78	W
	Add 1 % Water charges on “W”				5.24	
	TOTAL				529.02	X
	Add GST on “X” (multiplying factor 0.2127)				112.52	
	TOTAL				641.54	Y
	Add 15% CPOH on “Y”				96.23	
	TOTAL				737.77	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				7.38	
	Cost for 1.03 kg.				745.15	
	Cost per kg				723.45	
	Say				723.45	

8.7.2 Stainless steel cramps

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.934 kg					
	MATERIAL					
	Stainless steel cramp					
	10 x 0.064 x 0.025 x 0.006 = 9.6 x 10^(-5)					
	10 x 0.025 x 0.025 x 0.006 = 3.7 x 10^(-5)					
	= 13.3 x 10^(-5)					
	less hole 10 x 0.024 x 0.010 x 0.006 = 1.4 x 10^(-5)					
	= 11.9 x 10^5 x 7850 = 0.934 kg					
	Add wastage @ 5% = 0.047kg.					
	Total = 0.981 kg.					
7339	Stainless steel cramp	kilo-gram	0.981	313.00	307.05	
9977	Carriage	L.S.	3.90	2.27	8.85	
	Cement mortar 1:2 (1 cement : 2 coarse sand)					
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5584.50	5.58	
9999	Labour for fixing in position	L.S.	65.00	2.27	147.55	
	TOTAL				469.03	W
	Add 1 % Water charges on “W”				4.69	
	TOTAL				473.72	X
	Add GST on “X” (multiplying factor 0.2127)				100.76	
	TOTAL				574.48	Y
	Add 15% CPOH on “Y”				86.17	
	TOTAL				660.65	Z
	Add Cess @ 1% on “Z”				6.61	
	Cost for 0.934 kg.				667.26	
	Cost per kg				714.41	
	Say				714.40	

8.8 Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete.

8.8.1 Wedge expansion type

8.8.1.1 Fastener with threaded dia 6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 300nos. W.E.H. fastener					
	MATERIAL					
7430	Wedge expansion hold fastner 1/4” or 6 mm, 36.5mm length	each	300.000	9.00	2700.00	
1034	Bolts and nuts upto 300 mm in length (36.5+10mm)	quintal	0.045	5200.00	234.00	
	LABOUR					
0116	Fitter (grade 1)	day	2.500	897.00	2242.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	2.500	736.00	1840.00	
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc.	L.S.	325.000	2.27	737.75	
	TOTAL				7754.25	W
	Add 1 % Water charges on “W”				77.54	
	TOTAL				7831.79	X
	Add GST on “X” (multiplying factor 0.2127)				1665.82	
	TOTAL				9497.61	Y
	Add 15% CPOH on “Y”				1424.64	
	TOTAL				10922.25	Z
	Add Cess @ 1% on “Z”				109.22	
	Cost for 300 nos.				11031.47	
	Cost of each				36.77	
	Say				36.75	

8.8.1.2 Fastener with threaded dia 10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 30nos. W.E.H. fastener					
	MATERIAL					
7431	Wedge expansion hold fastner 3/8” or 10 mm, 44.5mm length	each	30.00	11.00	330.00	
1034	Bolts and nuts upto 300 mm in length (44.5+10mm)	quintal	0.006	5200.00	31.20	
	LABOUR					
0116	Fitter (grade 1)	day	0.25	897.00	224.25	
0114	Beldar	day	0.25	736.00	184.00	
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc.	L.S.	32.50	2.27	73.78	
	TOTAL				843.23	W
	Add 1 % Water charges on “W”				8.43	
	TOTAL				851.66	X
	Add GST on “X” (multiplying factor 0.2127)				181.15	
	TOTAL				1032.81	Y
	Add 15% CPOH on “Y”				154.92	
	TOTAL				1187.73	Z
	Add Cess @ 1% on “Z”				11.88	
	Cost for 30 nos.				1199.61	
	Cost of each				39.99	
	Say				40.00	

8.8.1.3 Fastener with threaded dia 12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 300nos. W.E.H. fastener					
	MATERIAL					
7432	Wedge expansion hold fastner 1/2” or 12 mm 58.7mm length	each	300.000	26.00	7800.00	
1034	Bolts and nuts upto 300 mm in length Length (58.7+10mm) @ 0.05 kg./each	quintal	0.075	5200.00	390.00	
	LABOUR					
0116	Fitter (grade 1)	day	2.500	897.00	2242.50	
0114	Beldar	day	2.500	736.00	1840.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Hire and running charges for hand drill machine					
	Sundries, drilling bit scaffolding etc.	L.S.	325.000	2.27	737.75	
	TOTAL				13010.25	W
	Add 1 % Water charges on “W”				130.10	
	TOTAL				13140.35	X
	Add GST on “X” (multiplying factor 0.2127)				2794.95	
	TOTAL				15935.30	Y
	Add 15% CPOH on “Y”				2390.30	
	TOTAL				18325.60	Z
	Add Cess @ 1% on “Z”				183.26	
	Cost for 300 nos.				18508.86	
	Cost of each				61.70	
	Say				61.70	

8.9 Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.

8.9.1 8mm thick

8.9.1.1 Raj nagar plain white marble/ Udaipur green marble/ Zebra black marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	8mm thick marble tiles. Qty. = 10 sqm. +Add wastage @ 2.5% = 0.25 sqm. Total = 10.25 sqm.					
2751	8 mm thick marble tiles (polished) Raj Nagar	sqm	10.250	409.00	4192.25	
9977	Carriage of tiles	L.S.	39.500	2.27	89.67	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.140	4881.95	683.47	
9999	Mortar for pointing	L.S.	253.800	2.27	576.13	
0367	Portland Cement	tonne	0.033	5156.00	170.15	
0123	Mason 1st class	day	10.000	897.00	8970.00	
0114	Beldar	day	10.000	736.00	7360.00	
9999	Sundries etc.	L.S.	169.000	2.27	383.63	
	TOTAL				22425.30	W
	Add 1 % Water charges on “W”				224.25	
	TOTAL				22649.55	X
	Add GST on “X” (multiplying factor 0.2127)				4817.56	
	TOTAL				27467.11	Y
	Add 15% CPOH on “Y”				4120.07	
	TOTAL				31587.18	Z
	Add Cess @ 1% on “Z”				315.87	
	Cost for 10 sqm.				31903.05	
	Cost of 1 sqm				3190.31	
	Say				3190.30	

8.9.1.2 Granite of any colour and shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	8mm thick Granite tiles. Qty. = 10 sqm. + Add wastage @ 2.5% = 0.25 sqm. Total = 10.25 sqm.					
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	10.250	702.00	7195.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage of tiles	L.S.	39.500	2.27	89.67	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.140	4881.95	683.47	
9999	Mortar for pointing	L.S.	253.800	2.27	576.13	
0367	Portland Cement	tonne	0.033	5156.00	170.15	
0123	Mason 1st class	day	10.000	897.00	8970.00	
0114	Beldar	day	10.000	736.00	7360.00	
9999	Sundries etc.	L.S.	169.000	2.27	383.63	
	TOTAL				25428.55	W
	Add 1 % Water charges on “W”				254.29	
	TOTAL				25682.84	X
	Add GST on “X” (multiplying factor 0.2127)				5462.74	
	TOTAL				31145.58	Y
	Add 15% CPOH on “Y”				4671.84	
	TOTAL				35817.42	Z
	Add Cess @ 1% on “Z”				358.17	
	Cost for 10 sqm.				36175.59	
	Cost of 1 sqm				3617.56	
	Say				3617.55	

8.10 Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.

8.10.1 White Agaria Marble Stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No or 0.375 sqm.					
	MATERIAL					
	Agaria Marble Stone 1 X 0.75 X 0.50 =0.375 sqm+Add wastage 20% = 0.075 sqm. Total = 0.45sqm.					
7244	Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	0.45	1615.00	726.75	
9999	Cement concrete 1:2:4 for filling	L.S.	21.58	2.27	48.99	
9999	Labour for fixing, edge rounding and final polishing .	L.S.	43.16	2.27	97.97	
9999	Sundries	L.S.	21.58	2.27	48.99	
	TOTAL				922.70	W
	Add 1 % Water charges on “W”				9.23	
	TOTAL				931.93	X
	Add GST on “X” (multiplying factor 0.2127)				198.22	
	TOTAL				1130.15	Y
	Add 15% CPOH on “Y”				169.52	
	TOTAL				1299.67	Z
	Add Cess @ 1% on “Z”				13.00	
	Cost of 0.375sqm				1312.67	
	Cost of 1.00 sqm				3500.45	
	Say				3500.45	

8.10.2 Granite Stone of approved shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No or 0.375sqm.					
	MATERIAL					
	Granite Stone 1x0.75x0.50 = 0.375sqm.+Add wastage 20% = 0.075 sqm. Total = 0.45 sqm.					
7245	Table rubbed polished stone 18mm thick (75x50cm) Granite stone - 18mm thick	sqm	0.45	1938.00	872.10	
9999	Cement concrete 1:2:4 for fixing	L.S.	21.58	2.27	48.99	
9999	Labour for fixing, edge rounding and final polishing .	L.S.	43.16	2.27	97.97	
9999	Sundries	L.S.	21.58	2.27	48.99	
	TOTAL				1068.05	W
	Add 1 % Water charges on “W”				10.68	
	TOTAL				1078.73	X
	Add GST on “X” (multiplying factor 0.2127)				229.45	
	TOTAL				1308.18	Y
	Add 15% CPOH on “Y”				196.23	
	TOTAL				1504.41	Z
	Add Cess @ 1% on “Z”				15.04	
	Cost of 0.375 sqm				1519.45	
	Cost of 1.00 sqm				4051.87	
	Say				4051.85	

8.11 Providing and fixing machine cut, mirror/ eggshell polished , Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.

8.11.1 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 50 sqm					
	MATERIAL					
	Finished work= 50 sqm+Add for wastage @ 20%=10 sqm. Total = 60 sqm					
1240	18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	60.000	3200.00	192000.00	
2216	Carriage of stone slab	tonne	3.000	0.00	0.00	
	Cement mortar 1:3 (1 Cement:3 Coarse sand)					
3.8	Rate as per Item No.3.8 of SH: MORTARS	cum	0.800	4881.95	3905.56	
0368	White Cement Slurry @ 3.3kg/sqm	tonne	0.165	10500.00	1732.50	
2209	Carriage of white Cement	tonne	0.165	0.00	0.00	
9999	Mortar for pointing in white cement	L.S.	2535.000	2.27	5754.45	
	LABOUR :					
	FOR fixing					
0126	Mason (for ornamental stone work) 1st class	day	33.500	897.00	30049.50	
0100	Bandhani	day	33.500	816.00	27336.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	33.500	736.00	24656.00	
0115	Coolie	day	33.500	736.00	24656.00	
0101	Bhisti	day	33.500	816.00	27336.00	
0128	Mate	day	16.500	816.00	13464.00	
0102	Blacksmith 1st class	day	13.500	897.00	12109.50	
9999	Scaffolding	L.S.	1339.000	2.27	3039.53	
	TOTAL				366039.04	W
	Add 1 % Water charges on “W”				3660.39	
	TOTAL				369699.43	X
	Add GST on “X” (multiplying factor 0.2127)				78635.07	
	TOTAL				448334.50	Y
	Add 15% CPOH on “Y”				67250.18	
	TOTAL				515584.68	Z
	Add Cess @ 1% on “Z”				5155.85	
	Cost of 50 sqm				520740.53	
	Cost of 1 sqm				10414.81	
	Say				10414.80	

8.14 Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) :

8.14.1 Red sand stone - exposed face fine dressed with rough backing.

8.14.1.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 70 cudm. + Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.					
1160	Red sand stone block	10 cudm	9.333	130.00	1213.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				4416.02	W
	Add 1 % Water charges on “W”				44.16	
	TOTAL				4460.18	X
	Add GST on “X” (multiplying factor 0.2127)				948.68	
	TOTAL				5408.86	Y
	Add 15% CPOH on “Y”				811.33	
	TOTAL				6220.19	Z
	Add Cess @ 1% on “Z”				62.20	
	Cost of 1 sqm.				6282.39	
	Say				6282.40	

8.14.1.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.					
1160	Red sand stone block	10 cudm	8.00	130.00	1040.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				4242.73	W
	Add 1 % Water charges on “W”				42.43	
	TOTAL				4285.16	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				911.45	
	TOTAL				5196.61	Y
	Add 15% CPOH on “Y”				779.49	
	TOTAL				5976.10	Z
	Add Cess @ 1% on “Z”				59.76	
	Cost of 1 sqm.				6035.86	
	Say				6035.85	

8.14.1.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 50 cudm+Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.					
1160	Red sand stone block	10 cudm	6.67	130.00	867.10	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				4069.83	W
	Add 1 % Water charges on “W”				40.70	
	TOTAL				4110.53	X
	Add GST on “X” (multiplying factor 0.2127)				874.31	
	TOTAL				4984.84	Y
	Add 15% CPOH on “Y”				747.73	
	TOTAL				5732.57	Z
	Add Cess @ 1% on “Z”				57.33	
	Cost of 1 sqm.				5789.90	
	Say				5789.90	

8.14.1.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 40 cudm+Add wastage @ 33.3% = 13.33 cudm. Total = 53.33 cudm.					
1160	Red sand stone block	10 cudm	5.333	130.00	693.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				3896.02	W
	Add 1 % Water charges on “W”				38.96	
	TOTAL				3934.98	X
	Add GST on “X” (multiplying factor 0.2127)				836.97	
	TOTAL				4771.95	Y
	Add 15% CPOH on “Y”				715.79	
	TOTAL				5487.74	Z
	Add Cess @ 1% on “Z”				54.88	
	Cost of 1 sqm.				5542.62	
	Say				5542.60	

8.14.1.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 30 cudm+Add wastage @ 33.3% = 9.99cudm. Total = 39.99 cudm.					
1160	Red sand stone block	10 cudm	3.999	130.00	519.87	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				3722.60	W
	Add 1 % Water charges on “W”				37.23	
	TOTAL				3759.83	X
	Add GST on “X” (multiplying factor 0.2127)				799.72	
	TOTAL				4559.55	Y
	Add 15% CPOH on “Y”				683.93	
	TOTAL				5243.48	Z
	Add Cess @ 1% on “Z”				52.43	
	Cost of 1 sqm.				5295.91	
	Say				5295.90	

8.14.2 Red sand stone - Exposed face machine cut and table rubbed with rough backing.

8.14.2.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 70 cudm+Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.					
1160	Red sand stone block	10 cudm	9.333	130.00	1213.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				5976.42	W
	Add 1 % Water charges on “W”				59.76	
	TOTAL				6036.18	X
	Add GST on “X” (multiplying factor 0.2127)				1283.90	
	TOTAL				7320.08	Y
	Add 15% CPOH on “Y”				1098.01	
	TOTAL				8418.09	Z
	Add Cess @ 1% on “Z”				84.18	
	Cost of 1 sqm.				8502.27	
	Say				8502.25	

8.14.2.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.					
1160	Red sand stone block	10 cudm	8.00	130.00	1040.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				5803.13	W
	Add 1 % Water charges on “W”				58.03	
	TOTAL				5861.16	X
	Add GST on “X” (multiplying factor 0.2127)				1246.67	
	TOTAL				7107.83	Y
	Add 15% CPOH on “Y”				1066.17	
	TOTAL				8174.00	Z
	Add Cess @ 1% on “Z”				81.74	
	Cost of 1 sqm.				8255.74	
	Say				8255.75	

8.14.2.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 50 cudm+Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.					
1160	Red sand stone block	10 cudm	6.67	130.00	867.10	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				5630.23	W
	Add 1 % Water charges on “W”				56.30	
	TOTAL				5686.53	X
	Add GST on “X” (multiplying factor 0.2127)				1209.52	
	TOTAL				6896.05	Y
	Add 15% CPOH on “Y”				1034.41	
	TOTAL				7930.46	Z
	Add Cess @ 1% on “Z”				79.30	
	Cost of 1 sqm.				8009.76	
	Say				8009.75	

8.14.2.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 40 cudm+Add wastage @ 33.3% = 13.33 cudm. Total = 53.33 cudm.					
1160	Red sand stone block	10 cudm	5.333	130.00	693.29	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				5456.42	W
	Add 1 % Water charges on “W”				54.56	
	TOTAL				5510.98	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				1172.19	
	TOTAL				6683.17	Y
	Add 15% CPOH on “Y”				1002.48	
	TOTAL				7685.65	Z
	Add Cess @ 1% on “Z”				76.86	
	Cost of 1 sqm.				7762.51	
	Say				7762.50	

8.14.2.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 30 cudm. Add wastage @ 33.3% = 9.99cudm. Total = 39.99 cudm.					
1160	Red sand stone block	10 cudm	3.999	130.00	519.87	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				5283.00	W
	Add 1 % Water charges on “W”				52.83	
	TOTAL				5335.83	X
	Add GST on “X” (multiplying factor 0.2127)				1134.93	
	TOTAL				6470.76	Y
	Add 15% CPOH on “Y”				970.61	
	TOTAL				7441.37	Z
	Add Cess @ 1% on “Z”				74.41	
	Cost of 1 sqm.				7515.78	
	Say				7515.80	

8.14.3 White sand stone - exposed face fine dressed with rough backing .

8.14.3.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 70 cudm. Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.					
1161	White sand stone block	10 cudm	9.333	205.00	1913.27	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	Day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				5116.00	W
	Add 1 % Water charges on “W”				51.16	
	TOTAL				5167.16	X
	Add GST on “X” (multiplying factor 0.2127)				1099.05	
	TOTAL				6266.21	Y
	Add 15% CPOH on “Y”				939.93	
	TOTAL				7206.14	Z
	Add Cess @ 1% on “Z”				72.06	
	Cost of 1 sqm.				7278.20	
	Say				7278.20	

8.14.3.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 60 cudm. Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1161	White sand stone block	10 cudm	8.00	205.00	1640.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				4842.73	W
	Add 1 % Water charges on “W”				48.43	
	TOTAL				4891.16	X
	Add GST on “X” (multiplying factor 0.2127)				1040.35	
	TOTAL				5931.51	Y
	Add 15% CPOH on “Y”				889.73	
	TOTAL				6821.24	Z
	Add Cess @ 1% on “Z”				68.21	
	Cost of 1 sqm.				6889.45	
	Say				6889.45	

8.14.3.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 50 cudm. Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.					
1161	White sand stone block	10 cudm	6.67	205.00	1367.35	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.153	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0125	Mason (for plain stone work) 2nd class)	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				4570.08	W
	Add 1 % Water charges on “W”				45.70	
	TOTAL				4615.78	X
	Add GST on “X” (multiplying factor 0.2127)				981.78	
	TOTAL				5597.56	Y
	Add 15% CPOH on “Y”				839.63	
	TOTAL				6437.19	Z
	Add Cess @ 1% on “Z”				64.37	
	Cost of 1 sqm.				6501.56	
	Say				6501.55	

8.14.3.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 40 cudm+Add wastage @ 33.3% = 13.3 cudm. Total = 53.3 cudm.					
1161	White sand stone block	10 cudm	5.33	205.00	1092.65	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.123	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				4295.38	W
	Add 1 % Water charges on “W”				42.95	
	TOTAL				4338.33	X
	Add GST on “X” (multiplying factor 0.2127)				922.76	
	TOTAL				5261.09	Y
	Add 15% CPOH on “Y”				789.16	
	TOTAL				6050.25	Z
	Add Cess @ 1% on “Z”				60.50	
	Cost of 1 sqm.				6110.75	
	Say				6110.75	

8.14.3.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 30 cudm+Add wastage @ 33.3% = 9.99 cudm. Total = 39.99 cudm.					
1161	White sand stone block	10 cudm	3.999	205.00	819.80	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.092	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	816.00	1101.60	
0102	Blacksmith 1st class	day	0.032	897.00	28.70	
0114	Beldar	day	0.224	736.00	164.86	
0115	Coolie	day	0.112	736.00	82.43	
0100	Bandhani	day	0.224	816.00	182.78	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				4022.53	W
	Add 1 % Water charges on “W”				40.23	
	TOTAL				4062.76	X
	Add GST on “X” (multiplying factor 0.2127)				864.15	
	TOTAL				4926.91	Y
	Add 15% CPOH on “Y”				739.04	
	TOTAL				5665.95	Z
	Add Cess @ 1% on “Z”				56.66	
	Cost of 1 sqm.				5722.61	
	Say				5722.60	

8.14.4 White sand stone - Exposed face machine cut and table rubbed with rough backing.

8.14.4.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 70 cudm. Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.					
1161	White sand stone block	10 cudm	9.333	205.00	1913.27	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				6676.40	W
	Add 1 % Water charges on “W”				66.76	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				6743.16	X
	Add GST on “X” (multiplying factor 0.2127)				1434.27	
	TOTAL				8177.43	Y
	Add 15% CPOH on “Y”				1226.61	
	TOTAL				9404.04	Z
	Add Cess @ 1% on “Z”				94.04	
	Cost of 1 sqm.				9498.08	
	Say				9498.10	

8.14.4.2 60 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.					
1161	White sand stone block	10 cudm	8.00	205.00	1640.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				6403.13	W
	Add 1 % Water charges on “W”				64.03	
	TOTAL				6467.16	X
	Add GST on “X” (multiplying factor 0.2127)				1375.56	
	TOTAL				7842.72	Y
	Add 15% CPOH on “Y”				1176.41	
	TOTAL				9019.13	Z
	Add Cess @ 1% on “Z”				90.19	
	Cost of 1 sqm.				9109.32	
	Say				9109.30	

8.14.4.3 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 50 cudm+Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.					
1161	White sand stone block	10 cudm	6.67	205.00	1367.35	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.153	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				6130.48	W
	Add 1 % Water charges on “W”				61.30	
	TOTAL				6191.78	X
	Add GST on “X” (multiplying factor 0.2127)				1316.99	
	TOTAL				7508.77	Y
	Add 15% CPOH on “Y”				1126.32	
	TOTAL				8635.09	Z
	Add Cess @ 1% on “Z”				86.35	
	Cost of 1 sqm.				8721.44	
	Say				8721.45	

8.14.4.4 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 40 cudm+Add wastage @ 33.3% = 13.3 cudm. Total = 53.3 cudm.					
1161	White sand stone block	10 cudm	5.33	205.00	1092.65	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.123	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				5855.78	W
	Add 1 % Water charges on “W”				58.56	
	TOTAL				5914.34	X
	Add GST on “X” (multiplying factor 0.2127)				1257.98	
	TOTAL				7172.32	Y
	Add 15% CPOH on “Y”				1075.85	
	TOTAL				8248.17	Z
	Add Cess @ 1% on “Z”				82.48	
	Cost of 1 sqm.				8330.65	
	Say				8330.65	

8.14.4.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 30 cudm+Add wastage @ 33.3% = 9.99 cudm. Total = 39.99 cudm.					
1161	White sand stone block	10 cudm	3.999	205.00	819.80	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.092	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	816.00	2203.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0102	Blacksmith 1st class	day	0.064	897.00	57.41	
0114	Beldar	day	0.448	736.00	329.73	
0115	Coolie	day	0.224	736.00	164.86	
0100	Bandhani	day	0.448	816.00	365.57	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				5582.93	W
	Add 1 % Water charges on “W”				55.83	
	TOTAL				5638.76	X
	Add GST on “X” (multiplying factor 0.2127)				1199.36	
	TOTAL				6838.12	Y
	Add 15% CPOH on “Y”				1025.72	
	TOTAL				7863.84	Z
	Add Cess @ 1% on “Z”				78.64	
	Cost of 1 sqm.				7942.48	
	Say				7942.50	

8.14.5 Gang saw cut stone

8.14.5.1 30mm thick White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	1.00 sqm + 0.05 sqm					
	(Add wastage @ 5%) = 1.05 sqm					
8684	White sand stone gang saw cut 30 mm thick	sqm	1.05	616.00	646.80	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.072	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				2289.16	W
	Add 1 % Water charges on “W”				22.89	
	TOTAL				2312.05	X
	Add GST on “X” (multiplying factor 0.2127)				491.77	
	TOTAL				2803.82	Y
	Add 15% CPOH on “Y”				420.57	
	TOTAL				3224.39	Z
	Add Cess @ 1% on “Z”				32.24	
	Cost of 1 sqm.				3256.63	
	Say				3256.65	

8.14.5.2 30mm thick Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	1.00 sqm + 0.05 sqm					
	(Add wastage @ 5%) = 1.05 sqm					
8683	Red sand stone gang saw cut 30 mm thick	sqm	1.05	524.00	550.20	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.072	0.00	0.00	
9999	Extra for using white cement	L.S.	26.91	2.27	61.09	
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
0101	Bhisti	day	0.336	816.00	274.18	
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4881.95	87.88	
	TOTAL				2192.56	W
	Add 1 % Water charges on “W”				21.93	
	TOTAL				2214.49	X
	Add GST on “X” (multiplying factor 0.2127)				471.02	
	TOTAL				2685.51	Y
	Add 15% CPOH on “Y”				402.83	
	TOTAL				3088.34	Z
	Add Cess @ 1% on “Z”				30.88	
	Cost of 1 sqm.				3119.22	
	Say				3119.20	

8.15 Providing and fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases in stone and holes in walls wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one cramp of 0.934kg					
	MATERIAL					
	Stainless steel cramp					
	10 x 0.064 x 0.025 x 0.006 = 9.6 x 10^5					
	10 x 0.025 x 0.025 x 0.006 = 3.7 x 10^5					
	= 13.3 x 10^5					
	less hole 10 x 0.024 x 0.010 x 0.006					
	= 1.4 x 10^5					
	= 11.9 x 10^5 x 7850 = 0.934 kg					
	Add wastage @ 5% = 0.047kg.					
	Total = 0.981 kg.					
7339	Stainless steel cramp	kilo-gram	0.981	313.00	307.05	
9977	CARRIAGE	L.S.	3.90	2.27	8.85	
	Cement mortar 1:2 (1 cement : 2 coarse sand)					
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5584.50	5.58	
9999	Labour for fixing in position	L.S.	65.00	2.27	147.55	
	TOTAL				469.03	W
	Add 1 % Water charges on “W”				4.69	
	TOTAL				473.72	X
	Add GST on “X” (multiplying factor 0.2127)				100.76	
	TOTAL				574.48	Y
	Add 15% CPOH on “Y”				86.17	
	TOTAL				660.65	Z
	Add Cess @ 1% on “Z”				6.61	
	Cost for 0.934 kg.				667.26	
	Cost per kg				714.41	
	Say				714.40	

8.16 Providing and fixing copper pins 7.5 cm long 6 mm diameter for securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one copper pin					
	MATERIAL					
0873	Copper pins 6 mm dia 7.5 cm long	each	1.00	12.00	12.00	
9999	Labour for making pin in to required shape and size, cutting chases in stone and fixing in position	L.S.	3.90	2.27	8.85	
	Cement mortar 1:2 (1 cement : 2 coarse sand)					
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5584.50	5.58	
9999	Sundries including hire charges of hand cut machine etc.	L.S.	1.95	2.27	4.43	
	TOTAL				30.86	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on "W"				0.31	
	TOTAL				31.17	X
	Add GST on "X" (multiplying factor 0.2127)				6.63	
	TOTAL				37.80	Y
	Add 15% CPOH on "Y"				5.67	
	TOTAL				43.47	Z
	Add Cess @ 1% on "Z"				0.43	
	Cost of one copper pin				43.90	
	Say				43.90	

8.17 Wall lining butch work upto 10m height with Dholpur stone 40 mm thick rough facing on the exposed surface with stone strips of minimum length 300 mm and required width, including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75 mm and by providing layer of 75 mm thick strips i/c 12 mm thick bed of cement mortar 1:3 (1 Cement : 3 coarse sand) i/c ruled pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	Dholpur stone 40mm thick					
	Wall face = 10sqm.					
	Deduct for embedded portion 3x0.04x10 = 1.2 sqm.					
	Net quantity = 8.8sqm.					
	Add wastage 5% = 0.4sqm.					
	Total = 9.2 sqm.					
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	9.200	370.00	3404.00	
	75mm thick					
	10x3x0.04x1.0 = 1.2 sqm.					
	Add wastage 5% = 0.06 sqm.					
	Total = 1.26 sqm.					
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	1.260	900.00	1134.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	1.072	0.00	0.00	
	10x0.92x0.04 = 0.368 cum.					
	10x0.13x0.075 = 0.098 cum.					
	Total = 0.466 cum. or 466 cudm.					
	466 cudm @ 2.3 kg/cudm = 1072 kg = 1.072 tonne					
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	200.000	10.00	2000.00	
	Assuming 50mm thick strips =20x1.0x10 = 200 metre					
	Mortar with coarse sand 1:3 for					
	(a) stone backing 12mm thick = 0.144 cum.					
	(b) for fixing of stone = 4/25 = 0.160 cum.					
	Total = 0.304 cum.					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.304	4881.95	1484.11	
	Cutting chases and making good with mortar after insurting stone etc.					
18.78	Rate as per Item Number 18.78 of SH: Water	metre	30.000	202.90	6087.00	A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	White cement and pigment for pointing	L.S.	404.300	2.27	917.76	
	LABOUR					
0126	Mason (for ornamental stone work) 1st class	day	2.500	897.00	2242.50	
0125	Mason (for plain stone work) 2nd class)	day	2.500	816.00	2040.00	
0114	Beldar	day	5.000	736.00	3680.00	
0101	Bhisti	day	0.300	816.00	244.80	
9999	Sundries and scaffolding brushes etc.	L.S.	269.100	2.27	610.86	
	TOTAL				23845.03	W
	Add 1 % Water charges on “W-A”				177.58	
	TOTAL				24022.61	X
	Add GST on “X-A” (multiplying factor 0.2127)				3814.90	
	TOTAL				27837.51	Y
	Add 15% CPOH on “Y-A”				3262.58	
	TOTAL				31100.09	Z
	Add Cess @ 1% on “Z-A”				250.13	
	Cost of 10sqm.				31350.22	
	Cost of 1 sqm				3135.02	
	Say				3135.00	

8.18 Stone work (machine cut edges in veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including grinding with hand grinder on joints, rubbing and polishing complete. (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately).

8.18.1 Prepolished kota stone slabs on exposed face.

8.18.1.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	25mm thick kota stone slabs = 10 sqm.					
	Add 10% wastage = 1.00 sqm.					
	Total = 11.00 sqm.					
1168	Kotastone slab 25mm thick (Semi-Polished)	sq.m.	11.00	320.00	3520.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.64	0.00	0.00	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4881.95	703.00	
9999	Cement mortar for pointing.	L.S.	40.43	2.27	91.78	
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	6.50	816.00	5304.00	
0114	Beldar	day	6.50	736.00	4784.00	
0115	Coolie	day	4.30	736.00	3164.80	
0139	Skilled Beldar (for grinding with hand grinder, rubbing and polishing)	day	1.00	816.00	816.00	
9999	Sundries	L.S.	111.54	2.27	253.20	
	TOTAL				18636.78	W
	Add 1 % Water charges on “W				186.37	
	TOTAL				18823.15	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				4003.68	
	TOTAL				22826.83	Y
	Add 15% CPOH on “Y				3424.02	
	TOTAL				26250.85	Z
	Add Cess @ 1% on “Z				262.51	
	Cost of 10 sqm				26513.36	
	Cost of 1 sqm				2651.34	
	Say				2651.35	

8.19 Extra for stone work for wall lining on exterior walls of height more than 10 m from ground level for every additional height of 3 m or part there of.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	Analysis same as Item Number 13.74					
	MATERIAL					
9999	Scaffolding	L.S.	215.28	2.27	488.69	
0123	Mason 1st class	day	0.30	897.00	269.10	
0114	Beldar	day	0.30	736.00	220.80	
0101	Bhisti	day	0.15	816.00	122.40	
9999	Sundries	L.S.	28.6	2.27	64.92	
	TOTAL				1165.91	W
	Add 1 % Water charges on “W”				11.66	
	TOTAL				1177.57	X
	Add GST on “X” (multiplying factor 0.2127)				250.47	
	TOTAL				1428.04	Y
	Add 15% CPOH on “Y”				214.21	
	TOTAL				1642.25	Z
	Add Cess @ 1% on “Z”				16.42	
	Cost of 10.00 sqm				1658.67	
	Cost of 1.00 sqm				165.87	
	Say				165.85	

8.20

8.20.1 Providing and fixing dry cladding upto 10 metre heights with 30mm thick gang saw cut stone with machine cut edges of uniform colour and size upto 1mx1m, fixed to structural steel frame work and/ or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-charge. (The steel frame work, stainless steel cramps and pins etc. shall be paid for separately).

Red sand stone - 30mm thick gang saw cut stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Red sand stone = 1.00sqm. Add 5% wastage = 0.05sqm. Total = 1.05 sqm					
8683	Red sand stone gang saw cut 30 mm thick	sqm	1.05	524.00	550.20	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.072	0.00	0.00	
	Fixing Charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	816.00	365.57	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
9999	Fixing including weather sealant and removing	L.S.	51.10	2.27	116.00	
9999	Silicon gun/ pump etc.	L.S.	68.25	2.27	154.93	
	TOTAL				2040.34	W
	Add 1 % Water charges on “W”				20.40	
	TOTAL				2060.74	X
	Add GST on “X” (multiplying factor 0.2127)				438.32	
	TOTAL				2499.06	Y
	Add 15% CPOH on “Y”				374.86	
	TOTAL				2873.92	Z
	Add Cess @ 1% on “Z”				28.74	
	Cost of 1 sqm				2902.66	
	Say				2902.65	

8.20.2 White sand stone - 30mm thick gang saw cut stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	White sand stone = 1.00sqm					
	Add 5% wastage = 0.05sqm					
	Total = 1.05 sqm					
8684	White sand stone gang saw cut 30 mm thick	sqm	1.05	616.00	646.80	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.072	0.00	0.00	
	Fixing Charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	816.00	365.57	
0100	Bandhani	day	0.336	816.00	274.18	
0114	Beldar	day	0.336	736.00	247.30	
0115	Coolie	day	0.336	736.00	247.30	
1237	Cutting marble or sand stone slab up to 50 mm thick by mechanical device	metre	4.00	10.00	40.00	
9999	Scaffolding	L.S.	19.76	2.27	44.86	
9999	Fixing including weather sealant and removing	L.S.	51.10	2.27	116.00	
9999	Silicon gun/ pump etc.	L.S.	68.25	2.27	154.93	
	TOTAL				2136.94	W
	Add 1 % Water charges on “W”				21.37	
	TOTAL				2158.31	X
	Add GST on “X” (multiplying factor 0.2127)				459.07	
	TOTAL				2617.38	Y
	Add 15% CPOH on “Y”				392.61	
	TOTAL				3009.99	Z
	Add Cess @ 1% on “Z”				30.10	
	Cost of 1 sqm				3040.09	
	Say				3040.10	

8.21 Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square/ rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of M.S. brackets/ lugs of angle iron/ flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100.78 kg.					
	M.S. tube 50x25x18mm					
	Vertical 4.0x3.0 mtr = 12.00					
	Vertical 4.0x3.0x0.93 =11.16 m					
	Total = 23.16 mtr					
	Add 10% wastage = 2.32 m					
	Total 25.48mtr @ 2.02 kg/m = 51.47 kg					
4009	Mild steel tubes hot finished welded type	kilo-gram	51.47	72.00	3705.84	
	Angle iron 50x50x6mm					
	16x0.60=9.60					
	16x0.15=2.40					
	Total=12.00					
	Add 10% wastage = 1.20m					
	Total=13.20m @4.50kg/m=59.40kg or 0.594 q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.594	5965.00	3543.21	
	Cement concrete 1:2:4 =16x0.30x0.23x0.30=0.331 cum					
4.1.3	Rate as per item no. 4.1.3 of SH : concrete work	cum	0.331	7878.50	2607.78	A
	Making holes in brick work=16nos.					
	LABOUR					
0123	Mason 1st class	day	0.26	897.00	233.22	
0124	Mason 2nd class	day	0.26	816.00	212.16	
0114	Beldar	day	2.00	736.00	1472.00	
	Welding for frame welding					
	16x(2.5+5+2.5+5) = 240 cm					
	For hold fast 16x20cm = 320cm					
	Total = 560cm					
1215	Welding by electric plant	cm	560.00	2.50	1400.00	
	LABOUR					
0102	Blacksmith 1st class	day	1.34	897.00	1201.98	
0100	Bandhani	day	0.67	816.00	546.72	
0114	Beldar	day	4.92	736.00	3621.12	
9999	Sundries	L.S.	80.73	2.27	183.26	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Painting with epoxy paint over and including priming coat area 22.80x0.15 = 3.42 12x0.2 = 2.40 Total = 5.82sqm					
13.52.1	Rate as per Item no. 13.52.1 of SH: Finishing	sqm	5.82	241.75	1406.99	A
9999	For labour scaffocaling etc	L.S.	80.73	2.27	183.26	
	TOTAL				20317.54	W
	Add 1 % Water charges on “W-A”				163.03	
	TOTAL				20480.57	X
	Add GST on “X-A” (multiplying factor 0.2127)				3502.28	
	TOTAL				23982.85	Y
	Add 15% CPOH on “Y-A”				2995.21	
	TOTAL				26978.06	Z
	Add Cess @ 1% on “Z-A”				229.63	
	Cost for 100.78 kg				27207.69	
	Cost for 1 kg				269.97	
	Say				269.95	

8.22 Providing and fixing adjustable stainless steel cramps of approved quality, required shape and size, adjustable with stainless steel nuts, bolts and washer (total weight not less than 260 gms), for dry stone cladding fixed on frame work at suitable location, including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos.					
8698	Stainless steel cramps(weight 260 grams) with nuts, bolts and washer for dry stone cladding	each	10.00	127.00	1270.00	
	LABOUR For making holes, recesses etc. and fixing of stainless steel cramps.					
0103	Blacksmith 2nd class	day	0.10	816.00	81.60	
0124	Mason 2nd class	day	1.00	816.00	816.00	
0114	Beldar	day	1.10	736.00	809.60	
9999	Scaffolding, hire charges of drill machine etc.	L.S.	20.8	2.27	47.22	
9999	Sundries	L.S.	20.8	2.27	47.22	
	TOTAL				3071.64	W
	Add 1 % Water charges on “W”				30.72	
	TOTAL				3102.36	X
	Add GST on “X” (multiplying factor 0.2127)				659.87	
	TOTAL				3762.23	Y
	Add 15% CPOH on “Y”				564.33	
	TOTAL				4326.56	Z
	Add Cess @ 1% on “Z”				43.27	
	Cost for 10 Nos.				4369.83	
	Cost for 1 Nos.				436.98	
	Say				437.00	

8.23 Providing 50x50x50 mm 2nd class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) and making good the walls etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 Nos.					
	MATERIAL					
	Teak wood (2nd class)					
	100x(50x50x50)mm = 0.0125cum					
	Add wastage @ 10% = 0.0013 cum.					
	Total = 0.0138 cum. Say 14 cudm.					
1189	Second class teak wood in scantling	10 cudm	1.40	776.00	1086.40	
2204	Carriage of Timber	cum	0.014	0.00	0.00	
	Cement mortar 1 : 3 (1 cement : 3 fine sand)					
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.002	4379.05	8.76	
	LABOUR					
0112	Carpenter 2nd class	day	0.75	816.00	612.00	
0124	Mason 2nd class	day	0.75	816.00	612.00	
0114	Beldar	day	0.75	736.00	552.00	
	TOTAL				2871.16	W
	Add 1 % Water charges on “W”				28.71	
	TOTAL				2899.87	X
	Add GST on “X” (multiplying factor 0.2127)				616.80	
	TOTAL				3516.67	Y
	Add 15% CPOH on “Y”				527.50	
	TOTAL				4044.17	Z
	Add Cess @ 1% on “Z”				40.44	
	Cost of 100 nos.				4084.61	
	Cost of 1 no.				40.85	
	Say				40.85	

8.24 Providing and fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work /CC/ R.C.C. and making good etc. complete.

8.24.1 25 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 10 nos.					
	MATERIAL					
7312	Expandable fastner with plastic sleeve and M.S. screws. 25 mm long	each	10.00	11.00	110.00	
9999	Labour for drilling holes and making good etc.	L.S.	20.80	2.27	47.22	
	TOTAL				157.22	W
	Add 1 % Water charges on “W”				1.57	
	TOTAL				158.79	X
	Add GST on “X” (multiplying factor 0.2127)				33.77	
	TOTAL				192.56	Y
	Add 15% CPOH on “Y”				28.88	
	TOTAL				221.44	Z
	Add Cess @ 1% on “Z”				2.21	
	Cost of 10 nos.				223.65	
	Cost of 1 no.				22.37	
	Say				22.35	

8.24.2 32 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 10 nos.					
	MATERIAL					
7313	Expandable fastner with plastic sleeve and M.S. screws. 32 mm long	each	10.00	11.00	110.00	
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.27	59.02	
	TOTAL				169.02	W
	Add 1 % Water charges on “W”				1.69	
	TOTAL				170.71	X
	Add GST on “X” (multiplying factor 0.2127)				36.31	
	TOTAL				207.02	Y
	Add 15% CPOH on “Y”				31.05	
	TOTAL				238.07	Z
	Add Cess @ 1% on “Z”				2.38	
	Cost of 10 nos.				240.45	
	Cost of 1 no.				24.05	
	Say				24.05	

8.24.3 40 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 10 nos.					
	MATERIAL					
7314	Expandable fastner with plastic sleeve and M.S. screws. 40 mm long	each	10.00	14.00	140.00	
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.27	59.02	
	TOTAL				199.02	W
	Add 1 % Water charges on “W”				1.99	
	TOTAL				201.01	X
	Add GST on “X” (multiplying factor 0.2127)				42.75	
	TOTAL				243.76	Y
	Add 15% CPOH on “Y”				36.56	
	TOTAL				280.32	Z
	Add Cess @ 1% on “Z”				2.80	
	Cost of 10 nos.				283.12	
	Cost of 1 no.				28.31	
	Say				28.30	

8.24.4 50 mm long

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 10 nos.					
	MATERIAL					
7315	Expandable fastner with plastic sleeve and M.S. screws. 50 mm long	each	10.00	15.00	150.00	
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.27	59.02	
	TOTAL				209.02	W
	Add 1 % Water charges on “W”				2.09	
	TOTAL				211.11	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				44.90	
	TOTAL				256.01	Y
	Add 15% CPOH on “Y”				38.40	
	TOTAL				294.41	Z
	Add Cess @ 1% on “Z”				2.94	
	Cost of 10 nos.				297.35	
	Cost of 1 no.				29.74	
	Say				29.75	

8.25 Providing and fixing 2nd class teak wood plain lining tongued and grooved, including wooden plugs complete with necessary screws and priming coat on unexposed surface.

8.25.1 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 10 sqm					
	MATERIAL					
	Teak wood (2nd class) 10x0.04m = 0.40cum+					
	Add wastage @ 10% = 0.04 cum.					
	Total = 0.44 cum. Say 440 cudm.					
1190	Second class teak wood in planks	10 cudm	44.00	791.00	34804.00	
1231	Extra for selected planks of second class teak-wood	10 cudm	44.00	150.00	6600.00	
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)					
8.23	Rate as per item no 8.23 of SH : Cladding Work	each	55.00	40.85	2246.75	A
	Priming coat					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
2204	Carriage of Timber	cum	0.44	0.00	0.00	
	LABOUR					
	For planning and fixing					
0111	Carpenter 1st class	day	2.15	897.00	1928.55	
0114	Beldar	day	1.62	736.00	1192.32	
9999	Sundries & screws etc.	L.S.	53.82	2.27	122.17	
	TOTAL				47597.29	W
	Add 1 % Water charges on “W-A”				446.47	
	TOTAL				48043.76	X
	Add GST on “X-A” (multiplying factor 0.2127)				9591.39	
	TOTAL				57635.15	Y
	Add 15% CPOH on “Y-A”				8202.74	
	TOTAL				65837.89	Z
	Add Cess @ 1% on “Z-A”				628.88	
	Cost of 10 sqm.				66466.77	
	Cost of 1 sqm.				6646.68	
	Say				6646.70	

8.25.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 10 sqm					
	MATERIAL					
	Teak wood 2nd class 10x0.25 = 0.25cum+					
	Add wastage @ 10% = 0.025 cum.					
	Total = 0.275 cum. Say 275 cudm.					
1190	Second class teak wood in planks	10 cudm	27.50	791.00	21752.50	
1231	Extra for selected planks of second class teak-wood	10 cudm	27.50	150.00	4125.00	
2204	Carriage of Timber	cum	0.275	0.00	0.00	
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)					
8.23	Rate as per item no 8.23 of SH : Cladding Work	each	55.00	40.85	2246.75	A
	Priming coat					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
	LABOUR					
0111	Carpenter 1st class	day	2.15	897.00	1928.55	
0114	Beldar	day	1.62	736.00	1192.32	
9999	Sundries & screws etc.	L.S.	53.82	2.27	122.17	
	TOTAL				32070.79	W
	Add 1 % Water charges on “W-A”				291.21	
	TOTAL				32362.00	X
	Add GST on “X-A” (multiplying factor 0.2127)				6255.88	
	TOTAL				38617.88	Y
	Add 15% CPOH on “Y-A”				5350.14	
	TOTAL				43968.02	Z
	Add Cess @ 1% on “Z-A”				410.18	
	Cost of 10 sqm.				44378.20	
	Cost of 1 sqm.				4437.82	
	Say				4437.80	

8.25.3 20 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 10 sqm					
	MATERIAL					
	Teak wood (2nd class) 10x0.02m = 0.20cum.+					
	Add wastage @ 10% = 0.02 cum.					
	Total = 0.22 cum. Say 220 cudm.					
1190	Second class teak wood in planks	10 cudm	22.00	791.00	17402.00	
1231	Extra for selected planks of second class teak-wood	10 cudm	22.00	150.00	3300.00	
2204	Carriage of Timber	cum	0.22	0.00	0.00	
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)					
8.23	Rate as per item no 8.23 of SH : Cladding Work	each	55.00	40.85	2246.75	A
	Priming coat					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
	LABOUR					
0111	Carpenter 1st class	day	1.08	897.00	968.76	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.08	736.00	794.88	
9999	Sundries & screws etc.	L.S.	53.82	2.27	122.17	
	TOTAL				26190.86	W
	Add 1 % Water charges on “W-A”				232.41	
	TOTAL				26423.27	X
	Add GST on “X-A” (multiplying factor 0.2127)				4992.71	
	TOTAL				31415.98	Y
	Add 15% CPOH on “Y-A”				4269.86	
	TOTAL				35685.84	Z
	Add Cess @ 1% on “Z-A”				327.36	
	Cost of 10 sqm.				36013.20	
	Cost of 1 sqm.				3601.32	
	Say				3601.30	

8.25.4 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 10 sqm					
	Wood-					
	Second class teak wood 10x0.012 = 0.12 cum+					
	Add wastage @ 10% = 0.012 cum.					
	Total = 0.132 cum. Say 132 cudm.					
1190	Second class teak wood in planks	10 cudm	13.20	791.00	10441.20	
1231	Extra for selected planks of second class teak-wood	10 cudm	13.20	150.00	1980.00	
2204	Carriage of Timber	cum	0.132	0.00	0.00	
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)					
8.23	Rate as per item no 8.23 of SH : Cladding Work	each	55.00	40.85	2246.75	A
	LABOUR					
0111	Carpenter 1st class	day	1.08	897.00	968.76	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.08	736.00	794.88	
	Priming coat					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
9999	Sundries & screws etc.	L.S.	53.82	2.27	122.17	
	TOTAL				17910.06	W
	Add 1 % Water charges on “W-A”				149.60	
	TOTAL				18059.66	X
	Add GST on “X-A” (multiplying factor 0.2127)				3213.77	
	TOTAL				21273.43	Y
	Add 15% CPOH on “Y-A”				2748.48	
	TOTAL				24021.91	Z
	Add Cess @ 1% on “Z-A”				210.72	
	Cost of 10 sqm.				24232.63	
	Cost of 1 sqm.				2423.26	
	Say				2423.25	

8.26 Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed arrangement and screws etc. complete :

8.26.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	Particle board (three layer medium density) 12mm thick = 10 sqm.					
	Add wastage @ 10% = 1 sqm.					
	Total = 11 sqm.					
7477	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	11.00	550.00	6050.00	
9977	Carriage of particle board	L.S.	13.52	2.27	30.69	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	Priming coat					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
	LABOUR					
0112	Carpenter 2nd class	day	1.28	816.00	1044.48	
0114	Beldar	day	1.43	736.00	1052.48	
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	24.00	1320.00	
	TOTAL				10262.24	W
	Add 1 % Water charges on “W-A”				95.59	
	TOTAL				10357.83	X
	Add GST on “X-A” (multiplying factor 0.2127)				2053.48	
	TOTAL				12411.31	Y
	Add 15% CPOH on “Y-A”				1756.17	
	TOTAL				14167.48	Z
	Add Cess @ 1% on “Z-A”				134.64	
	Cost of 10 sqm.				14302.12	
	Cost of 1 sqm.				1430.21	
	Say				1430.20	

8.26.2 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	Particle board (three layer medium density) 18 mm thick = 10 sqm.					
	Add wastage @ 10% = 1 sqm.					
	Total = 11 sqm.					
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	11.00	590.00	6490.00	
9977	Carriage of particle board	L.S.	13.52	2.27	30.69	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	Priming coat					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
	LABOUR					
0112	Carpenter 2nd class	day	1.28	816.00	1044.48	
0114	Beldar	day	1.43	736.00	1052.48	
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	24.00	1320.00	
	TOTAL				10702.24	W
	Add 1 % Water charges on “W-A”				99.99	
	TOTAL				10802.23	X
	Add GST on “X-A” (multiplying factor 0.2127)				2148.00	
	TOTAL				12950.23	Y
	Add 15% CPOH on “Y-A”				1837.01	
	TOTAL				14787.24	Z
	Add Cess @ 1% on “Z-A”				140.84	
	Cost of 10 sqm.				14928.08	
	Cost of 1 sqm.				1492.81	
	Say				1492.80	

8.26.3 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	Particle board (three layer medium density) 25 mm thick = 10 sqm.					
	Add wastage @ 10% = 1 sqm.					
	Total = 11 sqm.					
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	11.00	901.00	9911.00	
9977	Carriage of particle board	L.S.	13.52	2.27	30.69	
9999	Sundries and screws etc	L.S.	26.91	2.27	61.09	
	Priming coat					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
	LABOUR					
0112	Carpenter 2nd class	day	1.28	816.00	1044.48	
0114	Beldar	day	1.43	736.00	1052.48	
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	24.00	1320.00	
	TOTAL				14123.24	W
	Add 1 % Water charges on “W-A”				134.20	
	TOTAL				14257.44	X
	Add GST on “X-A” (multiplying factor 0.2127)				2882.92	
	TOTAL				17140.36	Y
	Add 15% CPOH on “Y-A”				2465.53	
	TOTAL				19605.89	Z
	Add Cess @ 1% on “Z-A”				189.02	
	Cost of 10 sqm.				19794.91	
	Cost of 1 sqm.				1979.49	
	Say				1979.50	

8.27 Providing and fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.

8.27.1 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 500 no. battens of size 500cmx50mmx25mm = 3125 cudm=3.125 cum					
	MATERIAL					
	Hollock wood- 500x5.00x0.50x0.025 = 3125 cum					
	Add wastage @ 5% = 0.156 cum.					
	Total = 3.281 cum Say 3300 cudm.					
2505	Hollock wood in planks	10 cudm	330.000	409.00	134970.00	
2204	Carriage of Timber	cum	3.300	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	100.000	897.00	89700.00	
0114	Beldar	day	25.000	736.00	18400.00	
9999	Sundries	L.S.	676.000	2.27	1534.52	
	Painting with ready mixed priming coat on ground 500x5.00x0.15 m =375 sqm					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	375.000	70.35	26381.25	A
7048	Rawl plug 50 mm (designation 10 no.)	each	5500.000	24.00	132000.00	
9999	Labour for drilling holes, steel tape, sundries etc.	L.S.	7150.000	2.27	16230.50	
	TOTAL				419216.27	W
	Add 1 % Water charges on “W-A”				3928.35	
	TOTAL				423144.62	X
	Add GST on “X-A” (multiplying factor 0.2127)				84391.57	
	TOTAL				507536.19	Y
	Add 15% CPOH on “Y-A”				72173.24	
	TOTAL				579709.43	Z
	Add Cess @ 1% on “Z-A”				5533.28	
	Cost of 3.125 cum				585242.71	
	Cost of 1 cum.				187277.67	
	Say				187277.65	

8.28 Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with :

8.28.1 Decorative veneer facings of approved manufacture

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Teak ply wood = 10sqm.					
	Add for wastage @ 20% = 2 sqm.					
	Total = 12 sqm.					
0759	Decorative plywood 4 mm	sqm	12.00	345.00	4140.00	
9977	Carriage of ply wood	L.S.	5.46	2.27	12.39	
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand)					
8.23	Rate as per item no 8.23 of SH : Cladding Work	each	55.00	40.85	2246.75	A
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0111	Carpenter 1st class	day	3.80	897.00	3408.60	
0114	Beldar	day	4.60	736.00	3385.60	
0130	Mistry	day	0.60	897.00	538.20	
9999	20mm nails without head for fixing ply	L.S.	53.82	2.27	122.17	
	Painting with ready mixed priming coat					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
	TOTAL				14557.21	W
	Add 1 % Water charges on “W-A”				116.07	
	TOTAL				14673.28	X
	Add GST on “X-A” (multiplying factor 0.2127)				2493.49	
	TOTAL				17166.77	Y
	Add 15% CPOH on “Y-A”				2132.48	
	TOTAL				19299.25	Z
	Add Cess @ 1% on “Z-A”				163.49	
	Cost of 10 sqm.				19462.74	
	Cost of 1 sqm.				1946.27	
	Say				1946.25	

8.29 Providing and fixing 4mm thick coir veneer board, ISI marked IS : 14842, plain lining with necessary screws, priming coat on unexposed surface etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Coir veneered board 4mm thick = 10sqm.					
	Add for wastage @ 20% = 2 sqm.					
	Total = 12 sqm.					
7552	Coir veneered board 4mm thick	sqm	12.00	274.00	3288.00	
9977	Carriage of Coir veneered board	L.S.	5.46	2.27	12.39	
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand)					
8.23	Rate as per item no 8.23 of SH : Cladding Work	each	55.00	40.85	2246.75	A
	LABOUR					
0111	Carpenter 1st class	day	3.80	897.00	3408.60	
0114	Beldar	day	4.60	736.00	3385.60	
0130	Mistry	day	0.60	897.00	538.20	
9999	20mm nails without head for fixing ply	L.S.	53.82	2.27	122.17	
	Priming coat Painting with ready mixed priming coat					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	10.00	70.35	703.50	A
	TOTAL				13705.21	W
	Add 1 % Water charges on “W-A”				107.55	
	TOTAL				13812.76	X
	Add GST on “X-A” (multiplying factor 0.2127)				2310.46	
	TOTAL				16123.22	Y
	Add 15% CPOH on “Y-A”				1975.95	
	TOTAL				18099.17	Z
	Add Cess @ 1% on “Z-A”				151.49	
	Cost of 10 sqm.				18250.66	
	Cost of 1 sqm.				1825.07	
	Say				1825.05	

8.30 Providing and fixing skirting with Pre-laminated (one side decorative and other side balancing lamination) flat pressed 3 layer or graded particle board (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete :

8.30.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for skirting 200mm wide and 30m long Area = 0.2x30= 6 sqm.					
	Area = 0.2x30= 6 sqm.					
	MATERIAL					
	Teak shade prelaminated Particle board (three layer medium density) = 6.0 sqm.+					
	Add wastage @ 10% = 0.6sqm.					
	Total = 6.6 sqm.					
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	6.60	590.00	3894.00	
9977	Carriage of particle board	L.S.	8.11	2.27	18.41	
7048	Rawl plug 50 mm (designation 10 no.)	each	102.00	24.00	2448.00	
9999	Labour for drilling holes	L.S.	130.00	2.27	295.10	
	LABOUR					
	For dressing and fixing particle board to skirting					
0112	Carpenter 2nd class	day	0.77	816.00	628.32	
0114	Beldar	day	0.86	736.00	632.96	
9999	Sundries (Screws, sand paper)	L.S.	53.82	2.27	122.17	
	Painting with ready mixed priming coat at back					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	6.00	70.35	422.10	A
	TOTAL				8461.06	W
	Add 1 % Water charges on “W-A”				80.39	
	TOTAL				8541.45	X
	Add GST on “X-A” (multiplying factor 0.2127)				1726.99	
	TOTAL				10268.44	Y
	Add 15% CPOH on “Y-A”				1476.95	
	TOTAL				11745.39	Z
	Add Cess @ 1% on “Z-A”				113.23	
	Cost of 6 sqm.				11858.62	
	Cost of 1 sqm.				1976.44	
	Say				1976.45	

8.30.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for skirting 200mm wide and 30m long Area = 0.2x30= 6 sqm.					
	Area = 0.2x30= 6 sqm.					
	MATERIAL					
	Teak shade prelaminated Particle board (three layer medium density) = 6.0 sqm.+					
	Add wastage @ 10% = 0.6sqm.					
	Total = 6.6 sqm.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	6.60	901.00	5946.60	
9977	Carriage of particle board	L.S.	8.11	2.27	18.41	
7048	Rawl plug 50 mm (designation 10 no.)	each	102.00	24.00	2448.00	
9999	Labour for drilling holes	L.S.	130.00	2.27	295.10	
	LABOUR					
	For dressing and fixing particle board to skirting					
0112	Carpenter 2nd class	day	0.77	816.00	628.32	
0114	Beldar	day	0.86	736.00	632.96	
9999	Sundries (Screws, sand paper)	L.S.	53.82	2.27	122.17	
	Painting with ready mixed priming coat at back					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	6.00	70.35	422.10	A
	TOTAL				10513.66	W
	Add 1 % Water charges on “W-A”				100.92	
	TOTAL				10614.58	X
	Add GST on “X-A” (multiplying factor 0.2127)				2167.94	
	TOTAL				12782.52	Y
	Add 15% CPOH on “Y-A”				1854.06	
	TOTAL				14636.58	Z
	Add Cess @ 1% on “Z-A”				142.14	
	Cost of 6 sqm.				14778.72	
	Cost of 1 sqm.				2463.12	
	Say				2463.10	

8.31 Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Ceramic Glazed tiles = 10 sqm					
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
7800	Ceramic Glazed Tiles Ist quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black	Sq.m.	10.250	225.00	2306.25	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	12 mm thick Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.140	4881.95	683.47	
9999	Mortar for pointing in white cement	L.S.	404.300	2.27	917.76	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason 1st class	day	2.500	897.00	2242.50	
0115	Coolie	day	2.500	736.00	1840.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				8912.64	W
	Add 1 % Water charges on “W”				89.13	
	TOTAL				9001.77	X
	Add GST on “X” (multiplying factor 0.2127)				1914.68	
	TOTAL				10916.45	Y
	Add 15% CPOH on “Y”				1637.47	
	TOTAL				12553.92	Z
	Add Cess @ 1% on “Z”				125.54	
	Cost of 10sqm.				12679.46	
	Cost of 1 sqm				1267.95	
	Say				1267.95	

8.32 Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:

(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.

(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metalic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.

(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.72 sqm					
	Width of the unit 1.6 m					
	Height of the unit 4.2 m					
	Area of Single Unit 6.72 sqm					
	Total Area 6.72 sqm					
	No of Panels 1 no					
	Area i/c wastage @ 5% = 7.06 sqm					
	Details of cost for 6.72 sqm					
	MATERIALS					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2607	Weather Sealant - Non Staining (600 ml)	each	2.00	338.00	676.00	
2608	Weather Sealant - Normal (300 ml)	each	2.00	104.00	208.00	
2609	MS Brackets/Aluminium Alloy Brackets	kg	10.00	107.00	1070.00	
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	0.70	163.00	114.10	
2612	Anchor Fastner - M10	each	2.00	12.00	24.00	
2613	SS Bolt with washer of sizes for structural glazing / ACP Cladding	each	2.00	39.00	78.00	
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	49.00	5.00	245.00	
2615	Protective Tape	metre	7.00	23.00	161.00	
2630	Baker rod	metre	5.00	7.00	35.00	
2616	GI flashing - 1.2 mm Thick	kg	4.00	64.00	256.00	
2631	4 mm thick ACP	sqm	7.06	1134.00	8006.04	
9999	Sundries	L.S.	451.00	2.27	1023.77	
9999	Sundries (For Fabrication)	L.S.	1895.30	2.27	4302.33	
9999	Sundries (For Installation)	L.S.	1895.30	2.27	4302.33	
9999	Sundries (Scaffolding / Loading / Unloading)	L.S.	602.25	2.27	1367.11	
9999	Sundries (Transporation)	L.S.	473.83	2.27	1075.59	
9999	Sundries (Designing charges etc.)	L.S.	328.15	2.27	744.90	
	TOTAL				23689.17	W
	Add 1 % Water charges on “W”				236.89	
	TOTAL				23926.06	X
	Add GST on “X” (multiplying factor 0.2127)				5089.07	
	TOTAL				29015.13	Y
	Add 15% CPOH on “Y”				4352.27	
	TOTAL				33367.40	Z
	Add Cess @ 1% on “Z”				333.67	
	Cost for 6.72 sqm				33701.07	
	Cost for 1 sqm				5015.04	
	Say				5015.05	

SUB HEAD : 9.0

WOOD & PVC WORK

9.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).

9.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Chowkhat of a door 206.75x117.5cm (36 cudm)					
	MATERIAL					
	Superior class teakwood such as Dandeli Balar-shah or Malabar					
	2x206.75x9.5x7.0cm =0.028cum+					
	1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+					
	Add for wastage @ 5% = 0.002cum.					
	Grand Total = 0.038cum = 38 cudm					
1189	Second class teak wood in scantling	10 cudm	3.80	776.00	2948.80	
2204	Carriage of Timber	cum	0.038	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	0.72	857.00	617.04	
0114	Beldar	day	0.07	736.00	51.52	
	TOTAL				3617.36	W
	Add 1 % Water charges on “W”				36.17	
	TOTAL				3653.53	X
	Add GST on “X” (multiplying factor 0.2127)				777.11	
	TOTAL				4430.64	Y
	Add 15% CPOH on “Y”				664.60	
	TOTAL				5095.24	Z
	Add Cess @ 1% on “Z”				50.95	
	Cost of 36 cudm.				5146.19	
	Cost per cum.				142949.72	
	Say				142949.70	

9.1.2 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Chowkhat of a door 206.75x117.5cm. (36 cudm)					
	MATERIAL					
	Salwood					
	2x206.75x9.5x7.0cm =0.028cum+					
	1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+					
	Add for wastage @ 5% = 0.002cum.					
	Grand Total = 0.038cum = 38cudm					
1199	Sal wood in scantling	10 cudm	3.80	600.00	2280.00	
2204	Carriage of Timber	cum	0.038	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	0.72	857.00	617.04	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.07	736.00	51.52	
	TOTAL				2948.56	W
	Add 1 % Water charges on “W”				29.49	
	TOTAL				2978.05	X
	Add GST on “X” (multiplying factor 0.2127)				633.43	
	TOTAL				3611.48	Y
	Add 15% CPOH on “Y”				541.72	
	TOTAL				4153.20	Z
	Add Cess @ 1% on “Z”				41.53	
	Cost of 36 cudm.				4194.73	
	Cost per cum.				116520.28	
	Say				116520.30	

9.1.3 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Chowkhat of a door 206.75x117.5cm. (36 cudm)					
	MATERIAL					
	Hollock wood					
	2x206.75x9.5x7.0cm =0.028cum+					
	1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+					
	Add for wastage @ 5% = 0.002cum.					
	Grand Total = 0.038cum = 38cudm					
2466	Hollock wood in scantling	10 cudm	3.80	366.00	1390.80	
2204	Carriage of Timber	cum	0.038	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.038	794.00	30.17	
9999	Chemical treatment	L.S.	8.97	2.27	20.36	
	LABOUR					
0156	Carpenter (average)	day	0.72	857.00	617.04	
0114	Beldar	day	0.07	736.00	51.52	
	TOTAL				2109.89	W
	Add 1 % Water charges on “W”				21.10	
	TOTAL				2130.99	X
	Add GST on “X” (multiplying factor 0.2127)				453.26	
	TOTAL				2584.25	Y
	Add 15% CPOH on “Y”				387.64	
	TOTAL				2971.89	Z
	Add Cess @ 1% on “Z”				29.72	
	Cost of 36 cudm.(finished work)				3001.61	
	Cost per cum.				83378.06	
	Say				83378.05	

9.2 Providing laminated veneer lumber conforming to IS:14616 and TAD -15: 2001 (Part B) in factory made frames of doors, windows, clerestory windows and other frames, wrought framed and fixing in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Chowkhat of a door 206.75x117.5cm.					
	(36 cudm)					
	MATERIAL					
	Laminated veneer lumber including wastage @ 5%					
	2x206.75x9.5x7.0cm =0.028cum+					
	1x117.5x9.5x7.0cm = 0.008cum. = 0.036cum.+					
	Add for wastage @ 5% = 0.002cum.					
	Grand Total = 0.038cum = 38cudm					
7157	Laminated veneer lumber conforming to TADS 15:1995 manufactured in factory in frames of doors, windows	10 cudm	3.80	750.00	2850.00	
2204	Carriage of Timber	cum	0.038	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	0.20	897.00	179.40	
0112	Carpenter 2nd class	day	0.20	816.00	163.20	
0114	Beldar	day	0.20	736.00	147.20	
	TOTAL				3339.80	W
	Add 1 % Water charges on “W”				33.40	
	TOTAL				3373.20	X
	Add GST on “X” (multiplying factor 0.2127)				717.48	
	TOTAL				4090.68	Y
	Add 15% CPOH on “Y”				613.60	
	TOTAL				4704.28	Z
	Add Cess @ 1% on “Z”				47.04	
	Cost of 36 cudm				4751.32	
	Cost of 1 cum				131981.11	
	Say				131981.10	

9.3 Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.

9.3.1 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ceiling for a room 3x3m					
	(158 cudm)					
	MATERIAL					
	Salwood = 6x3.30x(50/1000) x(125/1000)=0.1238 cum.					
	+ Cross battens 60mm centre to center 38x50mm.					
	6x3x(38/1000)x50/1000)=0.0342 cum.					
	= 0.1580 cum.+					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add for wastage @ 5% = 0.0079 cum.					
	= 0.1659 cum. say 166 cudm.					
1199	Sal wood in scantling	10 cudm	16.60	600.00	9960.00	
2204	Carriage of Timber	cum	0.166	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	1.00	816.00	816.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries screws etc.	L.S.	53.82	2.27	122.17	
	TOTAL				11634.17	W
	Add 1 % Water charges on “W”				116.34	
	TOTAL				11750.51	X
	Add GST on “X” (multiplying factor 0.2127)				2499.33	
	TOTAL				14249.84	Y
	Add 15% CPOH on “Y”				2137.48	
	TOTAL				16387.32	Z
	Add Cess @ 1% on “Z”				163.87	
	Cost of 158 cudm.				16551.19	
	Cost per cum.				104754.37	
	Say				104754.35	

9.3.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ceiling for a room 3x3m (158 cudm)					
	MATERIAL					
	Hollock wood = 6x3.30x(50/1000) x(125/1000)=0.1238 cum. +					
	Cross battens 60mm centre to center					
	38x50mm.					
	6x3x(38/1000)x50/1000)=0.0342 cum.					
	= 0.1580 cum.+					
	Add for wastage @ 5% = 0.0079 cum.					
	= 0.1659 cum. say 166 cudm.					
2466	Hollock wood in scantling	10 cudm	16.60	366.00	6075.60	
2204	Carriage of Timber	cum	0.166	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.166	794.00	131.80	
9999	Chemical treatment	L.S.	18.20	2.27	41.31	
	LABOUR					
0112	Carpenter 2nd class	day	1.00	816.00	816.00	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries screws etc.	L.S.	53.82	2.27	122.17	
	TOTAL				7922.88	W
	Add 1 % Water charges on “W”				79.23	
	TOTAL				8002.11	X
	Add GST on “X” (multiplying factor 0.2127)				1702.05	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				9704.16	Y
	Add 15% CPOH on “Y”				1455.62	
	TOTAL				11159.78	Z
	Add Cess @ 1% on “Z”				111.60	
	Cost of 158 cudm (finished work)				11271.38	
	Cost per cum.				71337.85	
	Say				71337.85	

9.4 Extra for additional labour for circular works, such as in frames of fan light

9.4.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Chowkhat of 10 Nos. door 206.75 x 117.5cm (360 cudm)					
	Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.1					
	MATERIAL					
1189	Second class teak wood in scantling	10 cudm	3.800	776.00	2948.80	
2204	Carriage of Timber	cum	0.038	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	0.720	857.00	617.04	
0114	Beldar	day	0.070	736.00	51.52	
	TOTAL				3617.36	W
	Add 1 % Water charges on “W”				36.17	
	TOTAL				3653.53	X
	Add GST on “X” (multiplying factor 0.2127)				777.11	
	TOTAL				4430.64	Y
	Add 15% CPOH on “Y”				664.60	
	TOTAL				5095.24	Z
	Add Cess @ 1% on “Z”				50.95	
	Cost of 360 cudm=0.36 cum				5146.19	
	Cost per cum.				14294.97	
	Say				14294.95	

9.4.2 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Chowkhat of 10 Nos. door 206.75 x 117.5cm (360 cudm)					
	Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.2					
	MATERIAL					
1199	Sal wood in scantling	10 cudm	3.800	600.00	2280.00	
2204	Carriage of Timber	cum	0.038	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	0.720	857.00	617.04	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.070	736.00	51.52	
	TOTAL				2948.56	W
	Add 1 % Water charges on “W”				29.49	
	TOTAL				2978.05	X
	Add GST on “X” (multiplying factor 0.2127)				633.43	
	TOTAL				3611.48	Y
	Add 15% CPOH on “Y”				541.72	
	TOTAL				4153.20	Z
	Add Cess @ 1% on “Z”				41.53	
	Cost of 360 cudm=0.36 cum				4194.73	
	Cost per cum.				11652.03	
	Say				11652.05	

9.4.3 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for Chowkhat of 10 Nos. door 206.75 x 117.5cm. (360 cudm)					
	Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.3					
	MATERIAL					
2466	Hollock wood in scantling	10 cudm	3.800	366.00	1390.80	
2204	Carriage of Timber	cum	0.038	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.038	794.00	30.17	
9999	Chemical treatment	L.S.	9.000	2.27	20.43	
	LABOUR					
0156	Carpenter (average)	day	0.720	857.00	617.04	
0114	Beldar	day	0.070	736.00	51.52	
	TOTAL				2109.96	W
	Add 1 % Water charges on “W”				21.10	
	TOTAL				2131.06	X
	Add GST on “X” (multiplying factor 0.2127)				453.28	
	TOTAL				2584.34	Y
	Add 15% CPOH on “Y”				387.65	
	TOTAL				2971.99	Z
	Add Cess @ 1% on “Z”				29.72	
	Cost of 360 cudm=0.36 cum				3001.71	
	Cost per cum.				8338.08	
	Say				8338.10	

9.5 Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)

9.5.1 Second class teak wood

9.5.1.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x 108cm = 2.16 sqm)					
	MATERIAL					
	Teak wood					
	Styles 4x200x10.0x3.5cm = 0.028cum+ Rails					
	Top rails 1x110.5x10.0x3.5cm = 0.004cum.+					
	Bottom rails 1x110.5x20x3.5cm = 0.008cum+					
	Lock rails 1x110.5x15x3.5cm = 0.006cum+					
	Beading 2x186.1x1.9x1.2cm = 0.001cum.					
	Total = 0.047 cum+					
	Add for wastage @ 10% = 0.005cum					
	Grand Total = 0.051 cum = 51 cudm					
1190	Second class teak wood in planks	10 cudm	5.10	791.00	4034.10	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0114	Beldar	day	0.76	736.00	559.36	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				6243.22	W
	Add 1 % Water charges on “W”				62.43	
	TOTAL				6305.65	X
	Add GST on “X” (multiplying factor 0.2127)				1341.21	
	TOTAL				7646.86	Y
	Add 15% CPOH on “Y”				1147.03	
	TOTAL				8793.89	Z
	Add Cess @ 1% on “Z”				87.94	
	Cost of 2.16 sqm.				8881.83	
	Cost of 1 sqm.				4111.96	
	Say				4111.95	

9.5.1.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm)					
	MATERIAL					
	Teak wood					
	Styles : 4x200x10.0x3.0cm = 0.024 cum+					
	Top rails :1x110.5x9.5x3.0cm = 0.003cum+					
	Bottom rails : 1x110.5x19.7x3.0cm = 0.007cum+					
	Lock rails : 1x110.5x15.0x3.0cm = 0.005cum+					
	Beading : 2x186.1x1.9x1.2cm = 0.001 cum.					
	Total = 0.040 cum. +					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add for wastage @ 10% = 0.004 cum.					
	Grand Total = 0.044 cum = 44 cudm					
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0114	Beldar	day	0.76	736.00	559.36	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				5689.52	W
	Add 1 % Water charges on “W”				56.90	
	TOTAL				5746.42	X
	Add GST on “X” (multiplying factor 0.2127)				1222.26	
	TOTAL				6968.68	Y
	Add 15% CPOH on “Y”				1045.30	
	TOTAL				8013.98	Z
	Add Cess @ 1% on “Z”				80.14	
	Cost of 2.16 sqm.				8094.12	
	Cost of 1 sqm.				3747.28	
	Say				3747.30	

9.5.2 Kiln seasoned and chemically treated hollock wood

9.5.2.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a Door (1/3rd glazed and 2/3rd panelled) 200x108cm = 2.16 sqm)					
	MATERIAL					
	Hollock wood					
	Styles 4x200x10.0x3.5cm = 0.028cum+					
	Rails					
	Top rails 1x110.5x10.0x3.5cm = 0.004cum.+					
	Bottom rails 1x110.5x20x3.5cm = 0.008cum+					
	Lock rails 1x110.5x15x3.5cm = 0.006cum+					
	Beading 2x186.1x1.9x1.2cm = 0.001cum.					
	Total = 0.047 cum+					
	Add for wastage @ 10% = 0.005cum					
	Grand Total = 0.051 cum = 51 cudm					
2505	Hollock wood in planks	10 cudm	5.10	409.00	2085.90	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.051	794.00	40.49	
9999	Chemical treatment	L.S.	9.10	2.27	20.66	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0114	Beldar	day	0.76	736.00	559.36	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				4356.17	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				43.56	
	TOTAL				4399.73	X
	Add GST on “X” (multiplying factor 0.2127)				935.82	
	TOTAL				5335.55	Y
	Add 15% CPOH on “Y”				800.33	
	TOTAL				6135.88	Z
	Add Cess @ 1% on “Z”				61.36	
	Cost of 2.16 sqm.				6197.24	
	Cost of 1 sqm.				2869.09	
	Say				2869.10	

9.5.2.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door					
	(1/3rd glazed and 2/3rd panelled)					
	200x108cm = 2.16sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x200x10.0x3.0cm = 0.024cum+					
	Rails					
	Top rails 1x110.5x9.50x3.0cm = 0.003cum.+					
	Lock rails 1x110.5x15x3.0cm = 0.005cum+					
	Bottom rails 1x110.5x19.7x3.0cm = 0.007cum+					
	Beading 2x186.1x1.9x1.2cm = 0.001cum					
	Total = 0.040 cum.+					
	Add for wastage @ 10% = 0.004cum					
	Grand Total = 0.044 cum or = 44 cudm					
2505	Hollock wood in planks	10 cudm	4.40	409.00	1799.60	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.044	794.00	34.94	
9999	Chemical treatment	L.S.	9.10	2.27	20.66	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0114	Beldar	day	0.76	736.00	559.36	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				4064.32	W
	Add 1 % Water charges on “W”				40.64	
	TOTAL				4104.96	X
	Add GST on “X” (multiplying factor 0.2127)				873.12	
	TOTAL				4978.08	Y
	Add 15% CPOH on “Y”				746.71	
	TOTAL				5724.79	Z
	Add Cess @ 1% on “Z”				57.25	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 2.16 sqm.				5782.04	
	Cost of 1 sqm.				2676.87	
	Say				2676.85	

9.5.3 Kiln seasoned selected planks of sheesham wood

9.5.3.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a Door					
	(1/3rd glazed and 2/3rd panelled)					
	200x108cm = 2.16 sqm)					
	MATERIAL					
	Sheesham wood					
	Styles 4x200x10.0x3.5cm = 0.028cum+					
	Rails					
	Top rails 1x110.5x10.0x3.5cm = 0.004cum.+					
	Lock rails 1x110.5x15x3.5cm = 0.006cum+					
	Beading 2x186.1x1.9x1.2cm = 0.001cum.					
	Total = 0.047 cum+					
	Add for wastage @ 10% = 0.005cum					
	Grand Total = 0.051 cum or = 51 cudm					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.10	650.00	3315.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0114	Beldar	day	0.76	736.00	559.36	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				5524.12	W
	Add 1 % Water charges on “W”				55.24	
	TOTAL				5579.36	X
	Add GST on “X” (multiplying factor 0.2127)				1186.73	
	TOTAL				6766.09	Y
	Add 15% CPOH on “Y”				1014.91	
	TOTAL				7781.00	Z
	Add Cess @ 1% on “Z”				77.81	
	Cost of 2.16 sqm.				7858.81	
	Cost of 1 sqm.				3638.34	
	Say				3638.35	

9.5.3.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door (1/3rd glazed and 2/3rd panelled). 200x108cm = 2.16sqm.					
	MATERIAL					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Sheesham wood Styles 4x200x10.0x3.0cm = 0.028cum+ Rails Top rails 1x110.5x9.50x3.0cm = 0.003cum.+ Lock rails 1x110.5x15.0x3.0cm = 0.005cum+ Bottom rails 1x110.5xl9.7x3.0cm = 0.007cum+ Beading 2x186.1xl.9xl.2cm = 0.001cum Total = 0.040 cum.+ Add for wastage @ 10% = 0.004cum Grand Total = 0.044 cum or = 44 cudm”					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0114	Beldar	day	0.76	736.00	559.36	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				5069.12	W
	Add 1 % Water charges on “W”				50.69	
	TOTAL				5119.81	X
	Add GST on “X” (multiplying factor 0.2127)				1088.98	
	TOTAL				6208.79	Y
	Add 15% CPOH on “Y”				931.32	
	TOTAL				7140.11	Z
	Add Cess @ 1% on “Z”				71.40	
	Cost of 2.16 sqm.				7211.51	
	Cost of 1 sqm.				3338.66	
	Say				3338.65	

9.6 Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B), fixing with butt hinges of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panels of : (Note:- Butt hinges and necessary screws shall be paid separately)

9.6.1 12 mm thick plain grade -1, medium density flat pressed three layer particle board FPT - I or graded wood particle board FPT- I, IS : 3087 marked, bonded with BWP type synthetic resin adhesive as per IS : 848 :

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL					
7137	Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick plain type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848	sqm	2.38	1722.00	4098.36	
9977	Carriage of shutters	L.S.	29.64	2.27	67.28	
	Fittings : LABOUR					
0156	Carpenter (average)	day	0.52	857.00	445.64	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.60	736.00	441.60	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				5134.33	W
	Add 1 % Water charges on “W”				51.34	
	TOTAL				5185.67	X
	Add GST on “X” (multiplying factor 0.2127)				1102.99	
	TOTAL				6288.66	Y
	Add 15% CPOH on “Y”				943.30	
	TOTAL				7231.96	Z
	Add Cess @ 1% on “Z”				72.32	
	Cost of 2.38 sqm.				7304.28	
	Cost of 1 sqm.				3069.03	
	Say				3069.05	

9.6.2 12 mm thick pre-laminated particle board (decorative lamination on both sides) grade -1, medium density flat pressed, three layer particle board FPT- I or graded wood particle board FPT- I, conforming to IS : 3087, bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823, Grade 1, Type - II marked :

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of one shutter 220x108cm = 2.38sqm.					
	MATERIAL					
7139	Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick both sides prelaminated type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848-1974	sqm	2.38	1823.00	4338.74	
9977	Carriage of shutters	L.S.	29.64	2.27	67.28	
	Fittings :					
	LABOUR					
0156	Carpenter (average)	day	0.52	857.00	445.64	
0114	Beldar	day	0.60	736.00	441.60	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				5374.71	W
	Add 1 % Water charges on “W”				53.75	
	TOTAL				5428.46	X
	Add GST on “X” (multiplying factor 0.2127)				1154.63	
	TOTAL				6583.09	Y
	Add 15% CPOH on “Y”				987.46	
	TOTAL				7570.55	Z
	Add Cess @ 1% on “Z”				75.71	
	Cost of 2.38 sqm.				7646.26	
	Cost of 1 sqm.				3212.71	
	Say				3212.70	

9.6.3 12 mm thick one side Pre-laminated particle board (decorative lamination on one side and other sides balancing lamination) grade -1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT-1 conforming to IS : 3087 bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823, Grade -1, Type II marked :

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of one shutter 220x108cm = 2.38sqm.					
	MATERIAL					
7143	Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick one side prelaminated type-I, and other side balancing lamination, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848-1974	sqm	2.38	1990.00	4736.20	
9977	Carriage of shutters	L.S.	29.64	2.27	67.28	
	Fittings :					
	LABOUR					
0156	Carpenter (average)	day	0.52	857.00	445.64	
0114	Beldar	day	0.60	736.00	441.60	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				5772.17	W
	Add 1 % Water charges on “W”				57.72	
	TOTAL				5829.89	X
	Add GST on “X” (multiplying factor 0.2127)				1240.02	
	TOTAL				7069.91	Y
	Add 15% CPOH on “Y”				1060.49	
	TOTAL				8130.40	Z
	Add Cess @ 1% on “Z”				81.30	
	Cost of 2.38 sqm.				8211.70	
	Cost of 1 sqm.				3450.29	
	Say				3450.30	

9.7 Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :

9.7.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm.					
	Panel area = 4x45.1x36.55cm = 0.66 sqm					
	MATERIAL					
	Panels					
	4x47.2x38.65x1.6cm = 0.0117cum+					
	Add for wastage @ 10% = 0.0012cum.					
	= 0.0129 cum.					
1190	Second class teak wood in planks	10 cudm	1.29	791.00	1020.39	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2204	Carriage of Timber	cum	0.013	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				1541.71	W
	Add 1 % Water charges on “W”				15.42	
	TOTAL				1557.13	X
	Add GST on “X” (multiplying factor 0.2127)				331.20	
	TOTAL				1888.33	Y
	Add 15% CPOH on “Y”				283.25	
	TOTAL				2171.58	Z
	Add Cess @ 1% on “Z”				21.72	
	Cost of 0.66 sqm.				2193.30	
	Cost of 1 sqm.				3323.18	
	Say				3323.20	

9.7.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door 200x108cm = 2.16 sqm. Panel area 4x45.1x36.55cm=0.66sqm. MATERIAL Hollock wood panels 4x45.1x36.55cm = 0.0117 cum+ Add for wastage @ 10% = 0.0012cum. = 0.0129 cum = 12.90 cudm					
2505	Hollock wood in planks	10 cudm	1.29	409.00	527.61	
2204	Carriage of Timber	cum	0.013	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.013	794.00	10.32	
9999	Chemical treatment	L.S.	8.97	2.27	20.36	
	Labour & sundries					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				1079.61	W
	Add 1 % Water charges on “W”				10.80	
	TOTAL				1090.41	X
	Add GST on “X” (multiplying factor 0.2127)				231.93	
	TOTAL				1322.34	Y
	Add 15% CPOH on “Y”				198.35	
	TOTAL				1520.69	Z
	Add Cess @ 1% on “Z”				15.21	
	Cost of 0.66 sqm.				1535.90	
	Cost of 1 sqm.				2327.12	
	Say				2327.10	

9.7.3 Ply wood 5 ply, 9 mm thick

9.7.3.1 Decorative plywood both side decorative veneer (Type - I) conforming to IS 1328 BWR type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm.					
	Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Plywood (9mm thick)					
	4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm.					
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	0.80	923.00	738.40	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				1263.85	W
	Add 1 % Water charges on “W”				12.64	
	TOTAL				1276.49	X
	Add GST on “X” (multiplying factor 0.2127)				271.51	
	TOTAL				1548.00	Y
	Add 15% CPOH on “Y”				232.20	
	TOTAL				1780.20	Z
	Add Cess @ 1% on “Z”				17.80	
	Cost of 0.66 sqm.				1798.00	
	Cost of 1 sqm.				2724.24	
	Say				2724.25	

9.7.3.2 Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling. 200x108cm = 2.16sqm.					
	Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Plywood (9mm thick)					
	4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm.					
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	0.80	908.00	726.40	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1251.85	W
	Add 1 % Water charges on “W”				12.52	
	TOTAL				1264.37	X
	Add GST on “X” (multiplying factor 0.2127)				268.93	
	TOTAL				1533.30	Y
	Add 15% CPOH on “Y”				230.00	
	TOTAL				1763.30	Z
	Add Cess @ 1% on “Z”				17.63	
	Cost of 0.66 sqm.				1780.93	
	Cost of 1 sqm.				2698.38	
	Say				2698.40	

9.7.4 Ply wood 7 ply, 9 mm thick

9.7.4.1 Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm.					
	Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Plywood (9mm thick)					
	4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm.					
2483	Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	0.80	1029.00	823.20	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				1348.65	W
	Add 1 % Water charges on “W”				13.49	
	TOTAL				1362.14	X
	Add GST on “X” (multiplying factor 0.2127)				289.73	
	TOTAL				1651.87	Y
	Add 15% CPOH on “Y”				247.78	
	TOTAL				1899.65	Z
	Add Cess @ 1% on “Z”				19.00	
	Cost of 0.66 sqm.				1918.65	
	Cost of 1 sqm.				2907.05	
	Say				2907.05	

9.7.5 Particle Board 12 mm thick

9.7.5.1 Plain particle board flat pressed, 3 layer or graded wood particle board medium density Grade I, IS : 3087 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm.					
	Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Particle Board					
	4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm.					
0341	Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick	sqm	0.80	325.00	260.00	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				785.45	W
	Add 1 % Water charges on “W”				7.85	
	TOTAL				793.30	X
	Add GST on “X” (multiplying factor 0.2127)				168.73	
	TOTAL				962.03	Y
	Add 15% CPOH on “Y”				144.30	
	TOTAL				1106.33	Z
	Add Cess @ 1% on “Z”				11.06	
	Cost of 0.66 sqm.				1117.39	
	Cost of 1 sqm.				1693.02	
	Say				1693.00	

9.7.5.2 Veneered flat pressed three layer or graded wood particle board with commercial veneering on both sides conforming to IS:3097, grade I

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm.					
	Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Particle Board					
	4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm					
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	0.80	510.00	408.00	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				933.45	W
	Add 1 % Water charges on “W”				9.33	
	TOTAL				942.78	X
	Add GST on “X” (multiplying factor 0.2127)				200.53	
	TOTAL				1143.31	Y
	Add 15% CPOH on “Y”				171.50	
	TOTAL				1314.81	Z
	Add Cess @ 1% on “Z”				13.15	
	Cost of 0.66 sqm.				1327.96	
	Cost of 1 sqm.				2012.06	
	Say				2012.05	

9.7.5.3 Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II IS: 12823 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm.					
	Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Particle Board					
	4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm					
7477	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	0.80	550.00	440.00	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				965.45	W
	Add 1 % Water charges on “W”				9.65	
	TOTAL				975.10	X
	Add GST on “X” (multiplying factor 0.2127)				207.40	
	TOTAL				1182.50	Y
	Add 15% CPOH on “Y”				177.38	
	TOTAL				1359.88	Z
	Add Cess @ 1% on “Z”				13.60	
	Cost of 0.66 sqm.				1373.48	
	Cost of 1 sqm.				2081.03	
	Say				2081.05	

9.7.5.4 Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS:12823 marked

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm.					
	Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Particle Board					
	4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm					
7480	Prelaminated particle board with both sides decorative lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick	sqm	0.80	534.00	427.20	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				952.65	W
	Add 1 % Water charges on “W”				9.53	
	TOTAL				962.18	X
	Add GST on “X” (multiplying factor 0.2127)				204.66	
	TOTAL				1166.84	Y
	Add 15% CPOH on “Y”				175.03	
	TOTAL				1341.87	Z
	Add Cess @ 1% on “Z”				13.42	
	Cost of 0.66 sqm.				1355.29	
	Cost of 1 sqm.				2053.47	
	Say				2053.45	

9.7.6 Coir Veneer Board (conforming to IS 14842)

9.7.6.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm					
	Panel area 4x45.1x36.55cm=0.66sqm					
	MATERIAL					
	Coir veneered board 12mm thick					
	4x47.2x38.65cm = 0.73sqm					
	Add for wastage @ 10% = 0.07sqm					
	Total = 0.80 sqm					
7555	Coir veneered board 12mm thick	sqm	0.80	650.00	520.00	
9977	CARRIAGE	L.S.	1.82	2.27	4.13	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				1045.45	W
	Add 1 % Water charges on “W”				10.45	
	TOTAL				1055.90	X
	Add GST on “X” (multiplying factor 0.2127)				224.59	
	TOTAL				1280.49	Y
	Add 15% CPOH on “Y”				192.07	
	TOTAL				1472.56	Z
	Add Cess @ 1% on “Z”				14.73	
	Cost of 0.66 sqm.				1487.29	
	Cost of 1 sqm.				2253.47	
	Say				2253.45	

9.7.7 Float glass panes

9.7.7.1 4 mm thick glass pane (weight not less than 10kg/sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm Panel area 4x45.1x36.55cm=0.66sqm MATERIAL Float glass sheet of nominal thickness 4 mm 4x47.2x38.65cm = 0.73sqm Add for wastage @ 10% = 0.07sqm Total = 0.80 sqm					
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.80	321.00	256.80	
9977	CARRIAGE	L.S.	1.82	2.27	4.13	
	LABOUR					
0156	Carpenter (average)	day	0.57	857.00	488.49	
0119	Glazier	day	0.15	816.00	122.40	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	25.47	2.27	57.82	
	TOTAL				1040.04	W
	Add 1 % Water charges on “W”				10.40	
	TOTAL				1050.44	X
	Add GST on “X” (multiplying factor 0.2127)				223.43	
	TOTAL				1273.87	Y
	Add 15% CPOH on “Y”				191.08	
	TOTAL				1464.95	Z
	Add Cess @ 1% on “Z”				14.65	
	Cost of 0.66 sqm.				1479.60	
	Cost of 1 sqm.				2241.82	
	Say				2241.80	

9.7.7.2 5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm					
	Panel area 4x45.1x36.55cm=0.66 sqm					
	MATERIAL					
	Float glass sheet of nominal thickness 5.5 mm					
	4x47.2x38.65cm = 0.73sqm					
	Add for wastage @ 10% = 0.07sqm					
	Total = 0.80 sqm					
2407	Float glass sheet of nominal thickness 5.0 mm.(weight not less than 12.50 kg/sqm).	sqm	0.80	529.00	423.20	
9977	CARRIAGE	L.S.	1.82	2.27	4.13	
	LABOUR					
0156	Carpenter (average)	day	0.57	857.00	488.49	
0119	Glazier	day	0.15	816.00	122.40	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	25.47	2.27	57.82	
	TOTAL				1206.44	W
	Add 1 % Water charges on “W”				12.06	
	TOTAL				1218.50	X
	Add GST on “X” (multiplying factor 0.2127)				259.17	
	TOTAL				1477.67	Y
	Add 15% CPOH on “Y”				221.65	
	TOTAL				1699.32	Z
	Add Cess @ 1% on “Z”				16.99	
	Cost of 0.66 sqm.				1716.31	
	Cost of 1 sqm.				2600.47	
	Say				2600.45	

9.7.8 Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3 rd panelling 200x108cm = 2.16 sqm					
	Panel area 4x45.1x36.55cm=0.66sqm					
	MATERIAL					
	Stainless steel wire guage					
	4x47.2x38.65cm = 0.73sqm					
	Add for wastage @ 10% = 0.07sqm					
	Total = 0.80 sqm					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	0.80	445.00	356.00	
9977	CARRIAGE	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.57	816.00	465.12	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				835.28	W
	Add 1 % Water charges on “W”				8.35	
	TOTAL				843.63	X
	Add GST on “X” (multiplying factor 0.2127)				179.44	
	TOTAL				1023.07	Y
	Add 15% CPOH on “Y”				153.46	
	TOTAL				1176.53	Z
	Add Cess @ 1% on “Z”				11.77	
	Cost of 0.66 sqm.				1188.30	
	Cost of 1 sqm.				1800.45	
	Say				1800.45	

9.9 Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes (weight not less than 10 kg per sqm) fixing with ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.

9.9.1 Second class teak wood

9.9.1.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutter of a door (glazed) 2000x108cm = 2.16 sqm.					
	MATERIAL					
	Teak wood (2nd class)					
	Styles : 4x200x9.5x3.5cm = 0.027cum					
	Rails					
	Top & intermediate rails					
	2x110.5x9.5x3.5cm = 0.008cum					
	Lock and bottom rails					
	2x110.5x19.7x3.5cm = 0.015cum					
	Beadings-					
	2x186.1x1.9x1.2cm = 0.001cum					
	4x171.70x1.9x1.2cm = 0.002cum.					
	Total = 0.053 cum.					
	Add for wastage @ 10% = 0.005cum.					
	Grand Total = 0.058 cum = 58 cudm					
1190	Second class teak wood in planks	10 cudm	5.80	791.00	4587.80	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	321.00	407.67	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2204	Carriage of Timber	cum	0.058	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0119	Glazier	day	0.23	816.00	187.68	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				7500.72	W
	Add 1 % Water charges on “W”				75.01	
	TOTAL				7575.73	X
	Add GST on “X” (multiplying factor 0.2127)				1611.36	
	TOTAL				9187.09	Y
	Add 15% CPOH on “Y”				1378.06	
	TOTAL				10565.15	Z
	Add Cess @ 1% on “Z”				105.65	
	Cost of 2.16 sqm.				10670.80	
	Cost of 1 sqm.				4940.19	
	Say				4940.20	

9.9.1.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutter of a door (glazed) 2000x108cm = 2.16 sqm.					
	MATERIAL					
	Teak wood					
	Styles : 4x200x9.5x3.0cm = 0.023cum+					
	Rails					
	Top & intermediate rails					
	2x110.5x9.5x3.0cm = 0.006cum+					
	Lock and bottom rails					
	2x110.5x19.7x3.0cm = 0.013cum+					
	Beadings-					
	2x186.1x1.9x1.2cm = 0.001cum+					
	4x171.70x1.9x1.2cm = 0.002cum.					
	Total = 0.045 cum.+					
	Add for wastage @ 10% = 0.005cum.					
	Grand Total = 0.050 cum = 50 cudm					
1190	Second class teak wood in planks	10 cudm	5.00	791.00	3955.00	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	321.00	407.67	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
2204	Carriage of Timber	cum	0.05	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0119	Glazier	day	0.23	816.00	187.68	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				6867.92	W
	Add 1 % Water charges on “W”				68.68	
	TOTAL				6936.60	X
	Add GST on “X” (multiplying factor 0.2127)				1475.41	
	TOTAL				8412.01	Y
	Add 15% CPOH on “Y”				1261.80	
	TOTAL				9673.81	Z
	Add Cess @ 1% on “Z”				96.74	
	Cost of 2.16 sqm.				9770.55	
	Cost of 1 sqm.				4523.40	
	Say				4523.40	

9.9.2 Kiln seasoned and chemically treated hollock wood

9.9.2.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door (glazed)					
	200x108cm = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles :					
	4x200x9.5x3.5cm = 0.027cum+					
	Rails					
	Top & intermediate rails					
	2x110.5x9.5x3.5cm = 0.008cum+					
	Lock and bottom rails					
	2x110.5x19.7x3.5cm = 0.015cum.+					
	Beadings-					
	2x186.1x1.9x1.2cm = 0.001cum+					
	4x171.70x1.9x1.2cm = 0.002cum.					
	Total = 0.053 cum.+					
	Add for wastage @ 10% = 0.005cum.					
	Grand Total = 0.058 cum or = 58 cudm					
2505	Hollock wood in planks	10 cudm	5.80	409.00	2372.20	
2504	Kiln seasoning of timber	cum	0.058	794.00	46.05	
9999	(iii) Chemical treatment	L.S.	9.10	2.27	20.66	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	321.00	407.67	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
2204	Carriage of Timber	cum	0.058	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0119	Glazier	day	0.23	816.00	187.68	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				5351.83	W
	Add 1 % Water charges on “W”				53.52	
	TOTAL				5405.35	X
	Add GST on “X” (multiplying factor 0.2127)				1149.72	
	TOTAL				6555.07	Y
	Add 15% CPOH on “Y”				983.26	
	TOTAL				7538.33	Z
	Add Cess @ 1% on “Z”				75.38	
	Cost of 2.16 sqm.				7613.71	
	Cost of 1 sqm.				3524.87	
	Say				3524.85	

9.9.2.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutter of door (glazed)					
	2000x108cm = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles : 4x200x9.5x3.0cm = 0.023cum+					
	Rails					
	Top & intermediate rails					
	2x110.5x19.7x3.0cm = 0.006cum+					
	Lock and bottom rails					
	2x110.5x19.7x3.0cm = 0.013cum+					
	Beadings-					
	2x186.1x1.9x1.2cm = 0.001cum+					
	4x171.70x1.9x1.2cm = 0.002cum.					
	Total = 0.045 cum.+					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add for wastage @ 10% = 0.005cum.					
	Grand Total = 0.050 = 50 cudm					
2505	Hollock wood in planks	10 cudm	5.00	409.00	2045.00	
2504	Kiln seasoning of timber	cum	0.05	794.00	39.70	
9999	Chemical treatment	L.S.	9.10	2.27	20.66	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	321.00	407.67	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
2204	Carriage of Timber	cum	0.05	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0119	Glazier	day	0.23	816.00	187.68	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				5018.28	W
	Add 1 % Water charges on “W”				50.18	
	TOTAL				5068.46	X
	Add GST on “X” (multiplying factor 0.2127)				1078.06	
	TOTAL				6146.52	Y
	Add 15% CPOH on “Y”				921.98	
	TOTAL				7068.50	Z
	Add Cess @ 1% on “Z”				70.69	
	Cost of 2.16 sqm.				7139.19	
	Cost of 1 sqm.				3305.18	
	Say				3305.20	

9.9.3 Kiln seasoned selected planks of sheesham wood

9.9.3.1 35 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door (glazed)					
	200x108cm = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles :					
	4x200x9.5x3.5cm = 0.027cum+					
	Rails					
	Top & intermediate rails					
	2x110.5x9.5x3.5cm = 0.008cum+					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Lock and bottom rails					
	2x110.5x19.7x3.5cm = 0.015cum.+					
	Beadings-					
	2x186.1x1.9x1.2cm = 0.001cum+					
	4x171.70x1.9x1.2cm = 0.002cum.					
	Total = 0.053 cum.+					
	Add for wastage @ 10% = 0.005cum.					
	Grand Total = 0.058 cum or = 58 cudm					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.80	650.00	3770.00	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	321.00	407.67	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
2204	Carriage of Timber	cum	0.058	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0119	Glazier	day	0.23	816.00	187.68	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				6682.92	W
	Add 1 % Water charges on “W”				66.83	
	TOTAL				6749.75	X
	Add GST on “X” (multiplying factor 0.2127)				1435.67	
	TOTAL				8185.42	Y
	Add 15% CPOH on “Y”				1227.81	
	TOTAL				9413.23	Z
	Add Cess @ 1% on “Z”				94.13	
	Cost of 2.16 sqm.				9507.36	
	Cost of 1 sqm.				4401.56	
	Say				4401.55	

9.9.3.2 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutter of door (glazed)					
	2000x108cm = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles : 4x200x9.5x3.0cm = 0.023cum+					
	Rails					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Top & intermediate rails					
	2x110.5x19.7x3.0cm = 0.006cum+					
	Lock and bottom rails					
	2x110.5x19.7x3.0cm = 0.013cum+					
	Beadings-					
	2x186.1x1.9x1.2cm = 0.001cum+					
	4x171.70x1.9x1.2cm = 0.002cum.					
	Total = 0.045 cum.+					
	Add for wastage @ 10% = 0.005cum.					
	Grand Total = 0.050 = 50 cudm					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.00	650.00	3250.00	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	321.00	407.67	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
2204	Carriage of Timber	cum	0.05	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0119	Glazier	day	0.23	816.00	187.68	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				6162.92	W
	Add 1 % Water charges on “W”				61.63	
	TOTAL				6224.55	X
	Add GST on “X” (multiplying factor 0.2127)				1323.96	
	TOTAL				7548.51	Y
	Add 15% CPOH on “Y”				1132.28	
	TOTAL				8680.79	Z
	Add Cess @ 1% on “Z”				86.81	
	Cost of 2.16 sqm.				8767.60	
	Cost of 1 sqm.				4059.07	
	Say				4059.05	

9.10 Providing and fixing factory made laminated veneer lumber glazed shutter conforming to IS: 14616 and TADS 15:2001 (Part B), using 4 mm thick float glass panes for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, all as per directions of Engineer-in-charge (Note:- Butt hinges and necessary screws shall be paid separately)

9.10.1 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of one shutter					
	220x108cm = 2.38sqm.					
	MATERIAL					
7151	Factory made 30 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of sheet glass using 10 kg/sqm glass panes	sqm	2.38	1720.00	4093.60	
9977	Carriage of shutters	L.S.	29.64	2.27	67.28	
	LABOUR					
0156	Carpenter (average)	day	0.52	857.00	445.64	
0114	Beldar	day	0.60	736.00	441.60	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				5129.57	W
	Add 1 % Water charges on “W”				51.30	
	TOTAL				5180.87	X
	Add GST on “X” (multiplying factor 0.2127)				1101.97	
	TOTAL				6282.84	Y
	Add 15% CPOH on “Y”				942.43	
	TOTAL				7225.27	Z
	Add Cess @ 1% on “Z”				72.25	
	Cost of 2.38 sqm.				7297.52	
	Cost of 1 sqm.				3066.18	
	Say				3066.20	

9.11 Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)

9.11.1 5.0 mm thick (weight not less than 12.50 kg per sqm) instead of 4 mm thick (weight not less than 10 kg per sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one sqm.					
	MATERIAL					
2407	Float glass sheet of nominal thickness 5.0 mm.(weight not less than 12.50 kg/sqm).	sqm	1.00	529.00	529.00	
	Deduct					
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	321.00	-321.00	
	TOTAL				208.00	W
	Add 1 % Water charges on “W”				2.08	
	TOTAL				210.08	X
	Add GST on “X” (multiplying factor 0.2127)				44.68	
	TOTAL				254.76	Y
	Add 15% CPOH on “Y”				38.21	
	TOTAL				292.97	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				2.93	
	Cost of 1 sqm.				295.90	
	Say				295.90	

9.12 Extra for providing frosted glass panes 4 mm thick (weight not less than 10 kg per sqm) instead of ordinary float glass panes 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost for 1 sqm.					
	MATERIAL					
7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	1.00	445.00	445.00	
	Deduct					
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	321.00	-321.00	
	TOTAL				124.00	W
	Add 1 % Water charges on “W”				1.24	
	TOTAL				125.24	X
	Add GST on “X” (multiplying factor 0.2127)				26.64	
	TOTAL				151.88	Y
	Add 15% CPOH on “Y”				22.78	
	TOTAL				174.66	Z
	Add Cess @ 1% on “Z”				1.75	
	Cost of 1 sqm.				176.41	
	Say				176.40	

9.13 Deduct for providing pin headed glass panes instead of ordinary float glass panes 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory windows shutters (Area of opening for glass panes excluding portion inside rebate shall be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost for 1 sqm.					
	MATERIAL					
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	321.00	-321.00	
	Deduct					
7451	Glass sheet (Pin headed) 4 mm thick	sqm	1.00	373.00	373.00	
	TOTAL				52.00	W
	Add 1 % Water charges on “W”				0.52	
	TOTAL				52.52	X
	Add GST on “X” (multiplying factor 0.2127)				11.17	
	TOTAL				63.69	Y
	Add 15% CPOH on “Y”				9.55	
	TOTAL				73.24	Z
	Add Cess @ 1% on “Z”				0.73	
	Cost of 1 sqm.				73.97	
	Say				73.95	

9.14 Extra for providing ISI marked Stainless Steel butt hinges instead of M.S. pressed butt hinges bright finished of required size with necessary screws. (Shutter area to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door shutter of a door 200x108cm = 2.16 sqm.					
	MATERIAL					
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	Deduct					
0595	Bright finished or black enamelled ISI marked IS: 1341 mild steel pressed butt hinges 100x58x1.90 mm	10 Nos	-0.60	80.00	-48.00	
0597	Bright finished or black enamelled ISI marked IS: 1341 mild steel pressed butt hinges50x37x1.50 mm Black enameled Iron	10 Nos	-0.20	49.00	-9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	-0.48	62.00	-29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	-0.08	40.00	-3.20	
	TOTAL				293.84	W
	Add 1 % Water charges on “W”				2.94	
	TOTAL				296.78	X
	Add GST on “X” (multiplying factor 0.2127)				63.13	
	TOTAL				359.91	Y
	Add 15% CPOH on “Y”				53.99	
	TOTAL				413.90	Z
	Add Cess @ 1% on “Z”				4.14	
	Cost of 2.16sqm.				418.04	
	Cost on 1 sqm.				193.54	
	Say				193.55	

9.15 Deduct for not providing hinges in doors, windows or clerestory window shutters with :

9.15.1 ISI marked Stainless steel butt hinges with stainless steel screws :

9.15.1.1 For 2nd class teak wood and other class of wood shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of fittings for shutter of size 200x108cm = 2.16 sqm.					
	MATERIAL					
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	TOTAL				384.60	W
	Add 1 % Water charges on “W”				3.85	
	TOTAL				388.45	X
	Add GST on “X” (multiplying factor 0.2127)				82.62	
	TOTAL				471.07	Y
	Add 15% CPOH on “Y”				70.66	
	TOTAL				541.73	Z
	Add Cess @ 1% on “Z”				5.42	
	Cost of 2.16 sqm.				547.15	
	Cost of 1 sqm.				253.31	
	Say				253.30	

9.15.2 ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.

9.15.2.1 For 2nd class teak wood and other class of wood shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of hinges with screws for shutters of size 200x108cm = 2.16 sqm.					
	MATERIAL					
0595	Bright finished or black enamelled ISI marked IS: 1341 mild steel pressed butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled ISI marked IS: 1341 mild steel steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	TOTAL				90.76	W
	Add 1 % Water charges on “W”				0.91	
	TOTAL				91.67	X
	Add GST on “X” (multiplying factor 0.2127)				19.50	
	TOTAL				111.17	Y
	Add 15% CPOH on “Y”				16.68	
	TOTAL				127.85	Z
	Add Cess @ 1% on “Z”				1.28	
	Cost of 2.16 sqm.				129.13	
	Cost of 1 sqm.				59.78	
	Say				59.80	

9.16 Providing and fixing 25 mm thick shutters for cup board etc. :

9.16.1 Panelled or panelled & glazed shutters :

9.16.1.1 Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a cup-board (half glazed and half panelled) 200x108cm = 2.16 sqm.					
	MATERIAL					
	Styles-					
	4x200x8.0x2.5cm = 0.016 cum+					
	Rails-					
	Top rail-					
	1x110.5x8.0x2.5cm = 0.0022cum+					
	Lock and bottom rail-					
	2x110.5x8.0x2.5cm = 0.0044 cum.					
	Panels-					
	2x48x41x1.6cm = 0.006cum+					
	Sash bars-					
	2x114x3.8x2.5cm = 0.003cum+					
	6x48x3.8x2.5cm = 0.003 cum+					
	Beading-					
	16x92x1.4x1.2cm = 0.002cum					
	Total = 0.0366					
	Add for wastage @ 10% = 0.0037 cum.					
	Grand Total = 0.0403 cum or 40 cudm					
1190	Second class teak wood in planks	10 cudm	4.00	791.00	3164.00	
2204	Carriage of Timber	cum	0.04	0.00	0.00	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.99	321.00	317.79	
	Fittings-					
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	0.60	205.00	123.00	
0586	Chromium plated Brass screws 40 mm	100 Nos	0.48	254.00	121.92	
	LABOUR					
0111	Carpenter 1st class	day	2.40	897.00	2152.80	
0119	Glazier	day	0.18	816.00	146.88	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				6684.89	W
	Add 1 % Water charges on “W”				66.85	
	TOTAL				6751.74	X
	Add GST on “X” (multiplying factor 0.2127)				1436.10	
	TOTAL				8187.84	Y
	Add 15% CPOH on “Y”				1228.18	
	TOTAL				9416.02	Z
	Add Cess @ 1% on “Z”				94.16	
	Cost of 2.16 sqm.				9510.18	
	Cost of 1 sqm.				4402.86	
	Say				4402.85	

9.16.1.2 Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a cup-board (half glazed and half panelled) 200x108cm = 2.16 sqm.					
	MATERIAL					
	Styles-					
	4x200x8.0x2.5cm = 0.016 cum+					
	Rails-					
	Top rail-					
	1x110.5x8.0x2.5cm = 0.0022cum+					
	Lock and bottom rail-					
	2x110.5x8.0x2.5cm = 0.0044 cum.					
	Panels-					
	2x48x41x1.6cm = 0.006cum+					
	Sash bars-					
	2x114x3.8x2.5cm = 0.003cum+					
	6x48x3.8x2.5cm = 0.003 cum+					
	Beading-					
	16x92x1.4x1.2cm = 0.002cum					
	Total = 0.0366					
	Add for wastage @ 10% = 0.0037 cum.					
	Grand Total = 0.0403 cum or 40 cudm					
1190	Second class teak wood in planks	10 cudm	4.00	791.00	3164.00	
2204	Carriage of Timber	cum	0.04	0.00	0.00	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.99	321.00	317.79	
	Fittings-					
0608	Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.00	42.00	168.00	
0586	Chromium plated Brass screws 40 mm	100 Nos	1.14	254.00	289.56	
	LABOUR					
0111	Carpenter 1st class	day	2.40	897.00	2152.80	
0119	Glazier	day	0.18	816.00	146.88	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				6897.53	W
	Add 1 % Water charges on “W”				68.98	
	TOTAL				6966.51	X
	Add GST on “X” (multiplying factor 0.2127)				1481.78	
	TOTAL				8448.29	Y
	Add 15% CPOH on “Y”				1267.24	
	TOTAL				9715.53	Z
	Add Cess @ 1% on “Z”				97.16	
	Cost of 2.16 sqm.				9812.69	
	Cost of 1 sqm.				4542.91	
	Say				4542.90	

9.16.2 Glazed shutters :

9.16.2.1 Second class teak wood including ISI marked anodized aluminium butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutter of cup-board					
	2000x108cm = 2.16 sqm.					
	MATERIAL					
	(i) Teak wood second class					
	Styles : 4x200x9.5x2.5 cm = 0.019 cum					
	Rails					
	Top & intermediate rails					
	2x110.5x9.5x2.5 cm = 0.006 cum					
	Lock and bottom rails					
	2x110.5x19.7x2.5 cm = 0.011 cum					
	Beadings-					
	2x186.1x1.9x1.2cm = 0.001cum+					
	4x171.70x1.9x1.2cm = 0.002cum.					
	Total = 0.039 cum.					
	Add for wastage @ 10% = 0.004 cum.					
	Grand Total = 0.043 cum. 43 cudm					
1190	Second class teak wood in planks	10 cudm	4.30	791.00	3401.30	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	321.00	407.67	
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	0.60	205.00	123.00	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.48	42.00	20.16	
2204	Carriage of Timber	cum	0.043	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0119	Glazier	day	0.23	816.00	187.68	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				6366.62	W
	Add 1 % Water charges on “W”				63.67	
	TOTAL				6430.29	X
	Add GST on “X” (multiplying factor 0.2127)				1367.72	
	TOTAL				7798.01	Y
	Add 15% CPOH on “Y”				1169.70	
	TOTAL				8967.71	Z
	Add Cess @ 1% on “Z”				89.68	
	Cost of 2.16 sqm.				9057.39	
	Cost of 1 sqm.				4193.24	
	Say				4193.25	

9.16.2.2 Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutter of cup-board					
	2000x108cm = 2.16 sqm.					
	MATERIAL					
	(i) Teak wood second class					
	Styles : 4x200x9.5x2.5 cm = 0.019 cum					
	Rails					
	Top & intermediate rails					
	2x110.5x9.5x2.5 cm = 0.006 cum					
	Lock and bottom rails					
	2x110.5x19.7x2.5 cm = 0.011 cum					
	Beadings-					
	2x186.1x1.9x1.2cm = 0.001cum+					
	4x171.70x1.9x1.2cm = 0.002cum.					
	Total = 0.039 cum.					
	Add for wastage @ 10% = 0.004 cum.					
	Grand Total = 0.0403 cum or 43 cudm					
1190	Second class teak wood in planks	10 cudm	4.30	791.00	3401.30	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	321.00	407.67	
0608	Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.00	42.00	168.00	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.14	42.00	47.88	
2204	Carriage of Timber	cum	0.043	0.00	0.00	
	LABOUR					
0156	Carpenter (average)	day	1.83	857.00	1568.31	
0119	Glazier	day	0.23	816.00	187.68	
0114	Beldar	day	0.77	736.00	566.72	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				6439.34	W
	Add 1 % Water charges on “W”				64.39	
	TOTAL				6503.73	X
	Add GST on “X” (multiplying factor 0.2127)				1383.34	
	TOTAL				7887.07	Y
	Add 15% CPOH on “Y”				1183.06	
	TOTAL				9070.13	Z
	Add Cess @ 1% on “Z”				90.70	
	Cost of 2.16 sqm.				9160.83	
	Cost of 1 sqm.				4241.13	
	Say				4241.15	

9.17 Providing and fixing flat pressed three layer particle or graded plain wood board medium density exterior grade (Grade I) FPT-I, conforming and marked to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately):

9.17.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 350x200cm = 7sqm.					
	MATERIAL					
	12mm thick particle board = 7.00sqm.+ Add wastage @ 5% = 0.35 sqm. Total = 7.35 sqm					
0341	Flat pressed three layer or graded particle board (medium density) exterior grade (Grade I) FPT-I :12 mm thick	sqm	7.35	325.00	2388.75	
9977	Carriage of particle board	L.S.	13.52	2.27	30.69	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	LABOUR					
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				3950.93	W
	Add 1 % Water charges on “W”				39.51	
	TOTAL				3990.44	X
	Add GST on “X” (multiplying factor 0.2127)				848.77	
	TOTAL				4839.21	Y
	Add 15% CPOH on “Y”				725.88	
	TOTAL				5565.09	Z
	Add Cess @ 1% on “Z”				55.65	
	Cost of 7 sqm.				5620.74	
	Cost of 1 sqm.				802.96	
	Say				802.95	

9.17.2 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 350x200cm = 7sqm.					
	MATERIAL					
	18 mm thick particle board = 7.00sqm.+ Add wastage @ 5% = 0.35 sqm. Total = 7.35 sqm					
7055	Flat pressed three layergraded plain particle board (medium density) Grade 1 ISI marked and conforming to IS : 3087 - 18 mm thick	sqm	7.35	469.00	3447.15	
9977	Carriage of particle board	L.S.	19.76	2.27	44.86	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	LABOUR					
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				5023.50	W
	Add 1 % Water charges on “W”				50.24	
	TOTAL				5073.74	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				1079.18	
	TOTAL				6152.92	Y
	Add 15% CPOH on “Y”				922.94	
	TOTAL				7075.86	Z
	Add Cess @ 1% on “Z”				70.76	
	Cost of 7 sqm.				7146.62	
	Cost of 1 sqm.				1020.95	
	Say				1020.95	

9.18 Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately).

9.18.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4 nos.					
	75x20cm shelves = 0.60 sqm.					
	MATERIAL					
	18mm thick particle board					
	4x75x20cm = 0.60sqm.					
	Add wastage @ 5% = 0.03sqm.					
	Total = 0.63 sqm					
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	0.63	590.00	371.70	
9977	Carriage of board	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.11	816.00	89.76	
0114	Beldar	day	0.06	736.00	44.16	
9999	Sundries, Painting edges & Screws	L.S.	7.80	2.27	17.71	
	TOTAL				525.40	W
	Add 1 % Water charges on “W”				5.25	
	TOTAL				530.65	X
	Add GST on “X” (multiplying factor 0.2127)				112.87	
	TOTAL				643.52	Y
	Add 15% CPOH on “Y”				96.53	
	TOTAL				740.05	Z
	Add Cess @ 1% on “Z”				7.40	
	Cost of 0.60 sqm.				747.45	
	Cost per sqm.				1245.75	
	Say				1245.75	

9.18.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4 nos.					
	75x20cm shelves = 0.60 sqm.					
	MATERIAL					
	25mm thick particle board					
	4x75x20cm = 0.60sqm.					
	Add wastage @ 5% = 0.03sqm.					
	Total = 0.63 sqm					
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	0.63	901.00	567.63	
9977	Carriage of board	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.11	816.00	89.76	
0114	Beldar	day	0.06	736.00	44.16	
9999	Sundries, Painting edges & Screws	L.S.	7.80	2.27	17.71	
	TOTAL				723.39	W
	Add 1 % Water charges on “W”				7.23	
	TOTAL				730.62	X
	Add GST on “X” (multiplying factor 0.2127)				155.40	
	TOTAL				886.02	Y
	Add 15% CPOH on “Y”				132.90	
	TOTAL				1018.92	Z
	Add Cess @ 1% on “Z”				10.19	
	Cost of 0.60 sqm.				1029.11	
	Cost per sqm.				1715.18	
	Say				1715.20	

9.20 Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.

9.20.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.2 sqm.					
	MATERIAL					
0713	Block board construction flush door with teak wood ply on both faces 35 mm thick	sqm	2.20	1860.00	4092.00	
9977	Carriage of door	L.S.	29.64	2.27	67.28	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
	LABOUR					
	For fixing shutter and fittings					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0156	Carpenter (average)	day	0.55	857.00	471.35	
0114	Beldar	day	0.55	736.00	404.80	
	TOTAL				5372.03	W
	Add 1 % Water charges on “W”				53.72	
	TOTAL				5425.75	X
	Add GST on “X” (multiplying factor 0.2127)				1154.06	
	TOTAL				6579.81	Y
	Add 15% CPOH on “Y”				986.97	
	TOTAL				7566.78	Z
	Add Cess @ 1% on “Z”				75.67	
	Cost for 2.2 sqm.				7642.45	
	Cost of 1 sqm.				3473.84	
	Say				3473.85	

9.20.2 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.2 sqm.					
	MATERIAL					
0714	Block board construction flush door with teak wood ply on both faces 30 mm thick	sqm	2.20	1645.00	3619.00	
9977	Carriage of door	L.S.	29.64	2.27	67.28	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
	LABOUR					
	For fixing shutter and fittings					
0156	Carpenter (average)	day	0.55	857.00	471.35	
0114	Beldar	day	0.55	736.00	404.80	
	TOTAL				4899.03	W
	Add 1 % Water charges on “W”				48.99	
	TOTAL				4948.02	X
	Add GST on “X” (multiplying factor 0.2127)				1052.44	
	TOTAL				6000.46	Y
	Add 15% CPOH on “Y”				900.07	
	TOTAL				6900.53	Z
	Add Cess @ 1% on “Z”				69.01	
	Cost for 2.2 sqm.				6969.54	
	Cost of 1 sqm.				3167.97	
	Say				3167.95	

9.20.3 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.2 sqm.					
	MATERIAL					
0715	Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	2.20	1445.00	3179.00	
9977	Carriage of door	L.S.	29.64	2.27	67.28	
	Fittings-For a door 2.2x1.0m = 2.20 sqm.					
0608	Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.40	42.00	184.80	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.25	42.00	52.50	
	LABOUR					
	For fixing shutter and fittings					
0156	Carpenter (average)	day	0.55	857.00	471.35	
0114	Beldar	day	0.55	736.00	404.80	
	TOTAL				4359.73	W
	Add 1 % Water charges on “W”				43.60	
	TOTAL				4403.33	X
	Add GST on “X” (multiplying factor 0.2127)				936.59	
	TOTAL				5339.92	Y
	Add 15% CPOH on “Y”				800.99	
	TOTAL				6140.91	Z
	Add Cess @ 1% on “Z”				61.41	
	Cost for 2.2 sqm.				6202.32	
	Cost of 1 sqm.				2819.24	
	Say				2819.25	

9.21 Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:

9.21.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.2 sqm.					
	MATERIAL					
0717	Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	2.20	1100.00	2420.00	
9977	Carriage of door	L.S.	29.64	2.27	67.28	
	Fittings-For a door 2.2x1.0m = 2.20 sqm.					
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
	LABOUR					
	For fixing shutter and fittings					
0156	Carpenter (average)	day	0.55	857.00	471.35	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.55	736.00	404.80	
	TOTAL				3700.03	W
	Add 1 % Water charges on “W”				37.00	
	TOTAL				3737.03	X
	Add GST on “X” (multiplying factor 0.2127)				794.87	
	TOTAL				4531.90	Y
	Add 15% CPOH on “Y”				679.79	
	TOTAL				5211.69	Z
	Add Cess @ 1% on “Z”				52.12	
	Cost for 2.2 sqm.				5263.81	
	Cost of 1 sqm.				2392.64	
	Say				2392.65	

9.21.2 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.2 sqm.					
	MATERIAL					
0718	Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	2.20	945.00	2079.00	
9977	Carriage of door	L.S.	29.64	2.27	67.28	
	Fittings-For a door 2.2x1.0m = 2.20 sqm.					
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
	LABOUR					
	For fixing shutter and fittings					
0156	Carpenter (average)	day	0.55	857.00	471.35	
0114	Beldar	day	0.55	736.00	404.80	
	TOTAL				3359.03	W
	Add 1 % Water charges on “W”				33.59	
	TOTAL				3392.62	X
	Add GST on “X” (multiplying factor 0.2127)				721.61	
	TOTAL				4114.23	Y
	Add 15% CPOH on “Y”				617.13	
	TOTAL				4731.36	Z
	Add Cess @ 1% on “Z”				47.31	
	Cost for 2.2 sqm.				4778.67	
	Cost of 1 sqm.				2172.12	
	Say				2172.10	

9.21.3 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.2 sqm.					
	MATERIAL					
0719	Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	2.20	935.00	2057.00	
9977	Carriage of door	L.S.	29.64	2.27	67.28	
	Fittings-For a door 2.2x1.0m = 2.20 sqm.					
0608	Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.40	42.00	184.80	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.25	42.00	52.50	
	LABOUR					
	For fixing shutter and fittings					
0156	Carpenter (average)	day	0.55	857.00	471.35	
0114	Beldar	day	0.55	736.00	404.80	
	TOTAL				3237.73	W
	Add 1 % Water charges on “W”				32.38	
	TOTAL				3270.11	X
	Add GST on “X” (multiplying factor 0.2127)				695.55	
	TOTAL				3965.66	Y
	Add 15% CPOH on “Y”				594.85	
	TOTAL				4560.51	Z
	Add Cess @ 1% on “Z”				45.61	
	Cost for 2.2 sqm.				4606.12	
	Cost of 1 sqm.				2093.69	
	Say				2093.70	

9.22 Extra for Providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to IS: 2202 (Part I)

9.22.1 On one side only

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1sqm.					
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	1.00	336.00	336.00	
	TOTAL				336.00	W
	Add 1 % Water charges on “W”				3.36	
	TOTAL				339.36	X
	Add GST on “X” (multiplying factor 0.2127)				72.18	
	TOTAL				411.54	Y
	Add 15% CPOH on “Y”				61.73	
	TOTAL				473.27	Z
	Add Cess @ 1% on “Z”				4.73	
	Cost for 1 sqm.				478.00	
	Say				478.00	

9.23 Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm. of door area					
0752	Block board construction flush door lipping	sqm of door area	1.00	325.00	325.00	
	TOTAL				325.00	W
	Add 1 % Water charges on "W"				3.25	
	TOTAL				328.25	X
	Add GST on "X" (multiplying factor 0.2127)				69.82	
	TOTAL				398.07	Y
	Add 15% CPOH on "Y"				59.71	
	TOTAL				457.78	Z
	Add Cess @ 1% on "Z"				4.58	
	Cost for 1 sqm				462.36	
	Say				462.35	

9.24 Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):

9.24.1 Rectangular or square

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm. of door area					
0753	Square vision panel (upto 0.10 sqm) in Block board construction flush door	sqm of door area	1.00	140.00	140.00	
	TOTAL				140.00	W
	Add 1 % Water charges on "W"				1.40	
	TOTAL				141.40	X
	Add GST on "X" (multiplying factor 0.2127)				30.08	
	TOTAL				171.48	Y
	Add 15% CPOH on "Y"				25.72	
	TOTAL				197.20	Z
	Add Cess @ 1% on "Z"				1.97	
	Cost for 1 sqm.				199.17	
	Say				199.15	

9.24.2 Circular

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm. of door area					
0754	Circular vision panel (upto 0.10 sqm) in Block board construction flush door	sqm of door area	1.00	145.00	145.00	
	TOTAL				145.00	W
	Add 1 % Water charges on "W"				1.45	
	TOTAL				146.45	X
	Add GST on "X" (multiplying factor 0.2127)				31.15	
	TOTAL				177.60	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				26.64	
	TOTAL				204.24	Z
	Add Cess @ 1% on "Z"				2.04	
	Cost for 1 sqm.				206.28	
	Say				206.30	

9.25 Extra if louvers (not exceeding 0.2 sqm) are provided in flush door shutters (overall area of door shutters to be measured).

9.25.1 Decorative type door

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm. of door area					
0755	Decorative type Louvers (upto 0.20 sqm)in Block board construction flush door	sqm of door area	1.00	285.00	285.00	
	TOTAL				285.00	W
	Add 1 % Water charges on "W"				2.85	
	TOTAL				287.85	X
	Add GST on "X" (multiplying factor 0.2127)				61.23	
	TOTAL				349.08	Y
	Add 15% CPOH on "Y"				52.36	
	TOTAL				401.44	Z
	Add Cess @ 1% on "Z"				4.01	
	Cost for 1 sqm.				405.45	
	Say				405.45	

9.26 Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm. of door area					
0757	Rebate cutting in Block board construction flush door	sqm of door area	1.00	75.00	75.00	
	TOTAL				75.00	W
	Add 1 % Water charges on "W"				0.75	
	TOTAL				75.75	X
	Add GST on "X" (multiplying factor 0.2127)				16.11	
	TOTAL				91.86	Y
	Add 15% CPOH on "Y"				13.78	
	TOTAL				105.64	Z
	Add Cess @ 1% on "Z"				1.06	
	Cost for 1 sqm.				106.70	
	Say				106.70	

9.27 Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :

9.27.1 35 mm thick shutters

9.27.1.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.27.1.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Teak wood (2nd class)					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum. Say 51.4 cudm.					
1190	Second class teak wood in planks	10 cudm	5.14	791.00	4065.74	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				7367.32	W
	Add 1 % Water charges on “W”				73.67	
	TOTAL				7440.99	X
	Add GST on “X” (multiplying factor 0.2127)				1582.70	
	TOTAL				9023.69	Y
	Add 15% CPOH on “Y”				1353.55	
	TOTAL				10377.24	Z
	Add Cess @ 1% on “Z”				103.77	
	Cost of 2.16 sqm.				10481.01	
	Cost of 1 sqm.				4852.32	
	Say				4852.30	

9.27.1.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x					
	(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum. Say 51.4 cudm.					
2505	Hollock wood in planks	10 cudm	5.14	409.00	2102.26	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.051	794.00	40.49	
9999	Chemical treatment	L.S.	8.97	2.27	20.36	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				5464.69	W
	Add 1 % Water charges on “W”				54.65	
	TOTAL				5519.34	X
	Add GST on “X” (multiplying factor 0.2127)				1173.96	
	TOTAL				6693.30	Y
	Add 15% CPOH on “Y”				1004.00	
	TOTAL				7697.30	Z
	Add Cess @ 1% on “Z”				76.97	
	Cost of 2.16 sqm.				7774.27	
	Cost of 1 sqm.				3599.20	
	Say				3599.20	

9.27.1.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x					
	(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum.					
	Say 51.4 cudm.					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.14	650.00	3341.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.41	260.00	366.60	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6642.58	W
	Add 1 % Water charges on “W”				66.43	
	TOTAL				6709.01	X
	Add GST on “X” (multiplying factor 0.2127)				1427.01	
	TOTAL				8136.02	Y
	Add 15% CPOH on “Y”				1220.40	
	TOTAL				9356.42	Z
	Add Cess @ 1% on “Z”				93.56	
	Cost of 2.16 sqm.				9449.98	
	Cost of 1 sqm.				4374.99	
	Say				4375.00	

9.27.1.2 With ISI marked stainless steel butt hinges of required size

9.27.1.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Second class Teak wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum.					
	Say 51.4 cudm.					
1190	Second class teak wood in planks	10 cudm	5.14	791.00	4065.74	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				7661.16	W
	Add 1 % Water charges on “W”				76.61	
	TOTAL				7737.77	X
	Add GST on “X” (multiplying factor 0.2127)				1645.82	
	TOTAL				9383.59	Y
	Add 15% CPOH on “Y”				1407.54	
	TOTAL				10791.13	Z
	Add Cess @ 1% on “Z”				107.91	
	Cost of 2.16 sqm.				10899.04	
	Cost of 1 sqm.				5045.85	
	Say				5045.85	

9.27.1.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum.					
	Say 51.4 cudm.					
2505	Hollock wood in planks	10 cudm	5.14	409.00	2102.26	
2504	Kiln seasoning of timber	cum	0.051	794.00	40.49	
9999	Chemical treatment	L.S.	8.97	2.27	20.36	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				5758.53	W
	Add 1 % Water charges on “W”				57.59	
	TOTAL				5816.12	X
	Add GST on “X” (multiplying factor 0.2127)				1237.09	
	TOTAL				7053.21	Y
	Add 15% CPOH on “Y”				1057.98	
	TOTAL				8111.19	Z
	Add Cess @ 1% on “Z”				81.11	
	Cost of 2.16 sqm.				8192.30	
	Cost of 1 sqm.				3792.73	
	Say				3792.75	

9.27.1.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Sheesham wood Styles 4x200x9.5x3.5cm = 0.0266cum+ Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+ Lock and bottom rail 2x110.5x19.7x3.5cm = 0.0152 cum.+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.0464 cum.+ Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cudm.					
1200	Kiln seasoned selected sheesum wood planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	650.00	3341.00	
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6936.42	W
	Add 1 % Water charges on “W”				69.36	
	TOTAL				7005.78	X
	Add GST on “X” (multiplying factor 0.2127)				1490.13	
	TOTAL				8495.91	Y
	Add 15% CPOH on “Y”				1274.39	
	TOTAL				9770.30	Z
	Add Cess @ 1% on “Z”				97.70	
	Cost of 2.16 sqm.				9868.00	
	Cost of 1 sqm.				4568.52	
	Say				4568.50	

9.27.2 30 mm thick shutters

9.27.2.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.27.2.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm. MATERIAL Teak wood (2nd class) Styles 4x209x9.5x3cm = 0.023 cum+ Top Rail - 1x110.5x9.5x3cm = 0.003cum+ Lock and bottom rail 2x110.5x19.7x3cm = 0.013 cum+ Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum. Total = 0.040 cum+ Add for wastage @ 10% = 0.004 cum. Total = 0.44 cum. Say 44 cudm.					
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40	
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	0.00	0.00	
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6569.39	W
	Add 1 % Water charges on “W”				65.69	
	TOTAL				6635.08	X
	Add GST on “X” (multiplying factor 0.2127)				1411.28	
	TOTAL				8046.36	Y
	Add 15% CPOH on “Y”				1206.95	
	TOTAL				9253.31	Z
	Add Cess @ 1% on “Z”				92.53	
	Cost of 2.16 sqm.				9345.84	
	Cost of 1 sqm.				4326.78	
	Say				4326.80	

9.27.2.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters					
	2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
2505	Hollock wood in planks	10 cudm	4.40	409.00	1799.60	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.044	794.00	34.94	
9999	Chemical treatment	L.S.	7.68	2.27	17.43	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				4940.96	W
	Add 1 % Water charges on “W”				49.41	
	TOTAL				4990.37	X
	Add GST on “X” (multiplying factor 0.2127)				1061.45	
	TOTAL				6051.82	Y
	Add 15% CPOH on “Y”				907.77	
	TOTAL				6959.59	Z
	Add Cess @ 1% on “Z”				69.60	
	Cost of 2.16 sqm.				7029.19	
	Cost of 1 sqm.				3254.25	
	Say				3254.25	

9.27.2.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters					
	2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				5948.99	W
	Add 1 % Water charges on “W”				59.49	
	TOTAL				6008.48	X
	Add GST on “X” (multiplying factor 0.2127)				1278.00	
	TOTAL				7286.48	Y
	Add 15% CPOH on “Y”				1092.97	
	TOTAL				8379.45	Z
	Add Cess @ 1% on “Z”				83.79	
	Cost of 2.16 sqm.				8463.24	
	Cost of 1 sqm.				3918.17	
	Say				3918.15	

9.27.2.2 With ISI marked stainless steel butt hinges of required size

9.27.2.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters					
	2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Teak wood (2nd class)					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6863.23	W
	Add 1 % Water charges on “W”				68.63	
	TOTAL				6931.86	X
	Add GST on “X” (multiplying factor 0.2127)				1474.41	
	TOTAL				8406.27	Y
	Add 15% CPOH on “Y”				1260.94	
	TOTAL				9667.21	Z
	Add Cess @ 1% on “Z”				96.67	
	Cost of 2.16 sqm.				9763.88	
	Cost of 1 sqm.				4520.31	
	Say				4520.30	

9.27.2.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters					
	2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
2505	Hollock wood in planks	10 cudm	4.40	409.00	1799.60	
2504	Kiln seasoning of timber	cum	0.044	794.00	34.94	
9999	Chemical treatment	L.S.	7.68	2.27	17.43	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.41	260.00	366.60	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				5234.80	W
	Add 1 % Water charges on “W”				52.35	
	TOTAL				5287.15	X
	Add GST on “X” (multiplying factor 0.2127)				1124.58	
	TOTAL				6411.73	Y
	Add 15% CPOH on “Y”				961.76	
	TOTAL				7373.49	Z
	Add Cess @ 1% on “Z”				73.73	
	Cost of 2.16 sqm.				7447.22	
	Cost of 1 sqm.				3447.79	
	Say				3447.80	

9.27.2.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters					
	2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.41	260.00	366.60	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6242.83	W
	Add 1 % Water charges on “W”				62.43	
	TOTAL				6305.26	X
	Add GST on “X” (multiplying factor 0.2127)				1341.13	
	TOTAL				7646.39	Y
	Add 15% CPOH on “Y”				1146.96	
	TOTAL				8793.35	Z
	Add Cess @ 1% on “Z”				87.93	
	Cost of 2.16 sqm.				8881.28	
	Cost of 1 sqm.				4111.70	
	Say				4111.70	

9.31 Providing and fixing wire gauge laminated veneer lumber shutters conforming to IS : 14616, and as per TADS 15 :2001 (Part B) using galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm as per IS :1568, for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, as per directions of Engineer-in-charge: (Note:- Butt hinges and necessary screws shall be paid separately)

9.31.1 35 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of one shutter					
	220x108cm = 2.38sqm.					
	MATERIAL					
7154	Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm on both directions with wire of dia 0.63 mm	sqm	2.38	1720.00	4093.60	
9977	Carriage of shutters	L.S.	29.64	2.27	67.28	
	LABOUR					
0156	Carpenter (average)	day	0.52	857.00	445.64	
0114	Beldar	day	0.60	736.00	441.60	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				5129.57	W
	Add 1 % Water charges on “W”				51.30	
	TOTAL				5180.87	X
	Add GST on “X” (multiplying factor 0.2127)				1101.97	
	TOTAL				6282.84	Y
	Add 15% CPOH on “Y”				942.43	
	TOTAL				7225.27	Z
	Add Cess @ 1% on “Z”				72.25	
	Cost of 2.38 sqm.				7297.52	
	Cost of 1 sqm.				3066.18	
	Say				3066.20	

9.31.2 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of one shutter					
	220x108cm = 2.38sqm.					
	MATERIAL					
7155	Factory made 30 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm on both directions with wire of dia 0.63 mm	sqm	2.38	1535.00	3653.30	
9977	Carriage of shutters	L.S.	29.64	2.27	67.28	
	LABOUR					
0156	Carpenter (average)	day	0.52	857.00	445.64	
0114	Beldar	day	0.60	736.00	441.60	
9999	Sundries	L.S.	35.88	2.27	81.45	
	TOTAL				4689.27	W
	Add 1 % Water charges on “W”				46.89	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				4736.16	X
	Add GST on “X” (multiplying factor 0.2127)				1007.38	
	TOTAL				5743.54	Y
	Add 15% CPOH on “Y”				861.53	
	TOTAL				6605.07	Z
	Add Cess @ 1% on “Z”				66.05	
	Cost of 2.38 sqm.				6671.12	
	Cost of 1 sqm.				2802.99	
	Say				2803.00	

9.40 Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :

9.40.1 2nd class teak wood

9.40.1.1 50x12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for beading for 10 window of size 140x110cm i.e. 10x500cm long (50 metre)					
	MATERIAL					
	Teak wood IInd class in planks = 50x0.05x0.012 m = 0.03 cum+					
	Add for wastage @ 10% = 0.003 cum.					
	Total = 0.033 cum. Say 33 cudm.					
1190	Second class teak wood in planks	10 cudm	3.300	791.00	2610.30	
2204	Carriage of Timber	cum	0.033	0.00	0.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	3.600	62.00	223.20	
	Painting with priming coat Area = 50(0.05+0.012+0.012) = 3.70 sqm					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	3.700	70.35	260.30	A
	LABOUR					
	For plaining, fixing and making design					
0111	Carpenter 1st class	day	5.300	897.00	4754.10	
	TOTAL				7847.90	W
	Add 1 % Water charges on “W-A”				75.88	
	TOTAL				7923.78	X
	Add GST on “X-A” (multiplying factor 0.2127)				1630.02	
	TOTAL				9553.80	Y
	Add 15% CPOH on “Y-A”				1394.03	
	TOTAL				10947.83	Z
	Add Cess @ 1% on “Z-A”				106.88	
	Cost of 50 metre				11054.71	
	Cost of 1 metre				221.09	
	Say				221.10	

9.40.1.2 50 x 20 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for beading for 10 window of size 140x110cm i.e. 10x500cm long (50 metre)					
	MATERIAL					
	Teak wood IInd class in planks= 50x0.05x0.02 m = 0.05cum+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.055 cum. Say 55 cudm.					
1190	Second class teak wood in planks	10 cudm	5.500	791.00	4350.50	
2204	Carriage of Timber	cum	0.055	0.00	0.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	3.600	62.00	223.20	
	Painting with priming coat Area = 50(0.05+0.02+0.02) = 4.5 sqm					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	4.500	70.35	316.58	A
	LABOUR					
	For plaining, fixing and making design					
0111	Carpenter 1st class	day	5.300	897.00	4754.10	
	TOTAL				9644.38	W
	Add 1 % Water charges on “W-A”				93.28	
	TOTAL				9737.66	X
	Add GST on “X-A” (multiplying factor 0.2127)				2003.86	
	TOTAL				11741.52	Y
	Add 15% CPOH on “Y-A”				1713.74	
	TOTAL				13455.26	Z
	Add Cess @ 1% on “Z-A”				131.39	
	Cost of 50 metre				13586.65	
	Cost of 1 metre				271.73	
	Say				271.75	

9.40.2 Kiln seasoned and chemically treated hollock wood

9.40.2.1 50x12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for beading for 10 window of size 140x110cm i.e. 10x500cm long (50 metre)					
	MATERIAL					
	Hollock wood = 50x0.05x0.012 m = 0.03 cum+					
	Add for wastage @ 10% = 0.003 cum.					
	Total = 0.033 cum. Say 33 cudm.					
2505	Hollock wood in planks	10 cudm	3.300	409.00	1349.70	
2504	Kiln seasoning of timber	cum	0.033	794.00	26.20	
2204	Carriage of Timber	cum	0.033	0.00	0.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	3.600	62.00	223.20	
	Painting with priming coat Area = 50(0.05+0.012+0.012) = 3.70 sqm					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	3.700	70.35	260.30	A
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	For plaining, fixing and making design					
0111	Carpenter 1st class	day	5.300	897.00	4754.10	
	TOTAL				6613.50	W
	Add 1 % Water charges on “W-A”				63.53	
	TOTAL				6677.03	X
	Add GST on “X-A” (multiplying factor 0.2127)				1364.84	
	TOTAL				8041.87	Y
	Add 15% CPOH on “Y-A”				1167.24	
	TOTAL				9209.11	Z
	Add Cess @ 1% on “Z-A”				89.49	
	Cost of 50 metre				9298.60	
	Cost of 1 metre				185.97	
	Say				185.95	

9.40.2.2 50x20 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for beading for 10 window of size 140x110cm i.e. 10x500cm long (50 metre)					
	MATERIAL					
	Hollock wood= 50x0.05x0.02 m = 0.05cum+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.055 cum. Say 55 cudm.					
2505	Hollock wood in planks	10 cudm	5.500	409.00	2249.50	
2504	Kiln seasoning of timber	cum	0.055	794.00	43.67	
2204	Carriage of Timber	cum	0.055	0.00	0.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	3.600	62.00	223.20	
	Painting with priming coat Area = 50(0.05+0.02+0.02) = 4.5 sqm					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	4.500	70.35	316.58	A
	LABOUR					
	For plaining, fixing and making design					
0111	Carpenter 1st class	day	5.300	897.00	4754.10	
	TOTAL				7587.05	W
	Add 1 % Water charges on “W-A”				72.70	
	TOTAL				7659.75	X
	Add GST on “X-A” (multiplying factor 0.2127)				1561.89	
	TOTAL				9221.64	Y
	Add 15% CPOH on “Y-A”				1335.76	
	TOTAL				10557.40	Z
	Add Cess @ 1% on “Z-A”				102.41	
	Cost of 50 metre				10659.81	
	Cost of 1 metre				213.20	
	Say				213.20	

9.41 **Providing and fixing plain jaffri of 35x10 mm laths placed 35 mm apart (frames to be paid separately), including fixing 50x12 mm beading complete with :**

9.41.1 **Second class teak wood**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of a jaffri 200x110cm = 2.2sqm.					
	MATERIAL					
	Teakwood IInd class					
	Jaffri 210x120x1.0cm = 0.025cum.+					
	Beading 660x5x1.2cm = 0.004cum.					
	Total = 0.029 cum.+					
	Add wastage @ 10% = 0.003 cum.					
	Total = 0.032 cum. Say 32 cudm.					
1190	Second class teak wood in planks	10 cudm	3.20	791.00	2531.20	
2204	Carriage of Timber	cum	0.032	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	0.75	897.00	672.75	
0112	Carpenter 2nd class	day	1.00	816.00	816.00	
0114	Beldar	day	0.50	736.00	368.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				4554.38	W
	Add 1 % Water charges on “W”				45.54	
	TOTAL				4599.92	X
	Add GST on “X” (multiplying factor 0.2127)				978.40	
	TOTAL				5578.32	Y
	Add 15% CPOH on “Y”				836.75	
	TOTAL				6415.07	Z
	Add Cess @ 1% on “Z”				64.15	
	Cost of 2.2 sqm.				6479.22	
	Cost of 1 sqm.				2945.10	
	Say				2945.10	

9.42 **Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed three layer or graded plain wood particle board medium density grade I, ISI marked and conforming to IS : 3087 marked, including top cover of 6 mm commercial ply wood conforming to IS: 303 BWR grade, nickel plated M.S. pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a pelmet 2m long					
	MATERIAL					
	(i) 18mm thick particle board (medium density exterior grade)					
	Front-1x1.7x0.15= 0.255sqm.+					
	Sides-2x0.15x0.15= 0.045sqm.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total = 0.300sqm.+					
	Add wastage @5% = 0.015sqm.					
	Total = 0.315sqm. Say 0.32 sqm.					
7055	Flat pressed three layer or graded plain particle board (medium density) Grade 1 ISI marked and conforming to IS : 3087 - 18 mm thick 6mm thick commercial ply wood	sqm	0.32	469.00	150.08	
	Top-1x1.7x0.15= 0.255sqm.+					
	Add wastage @ 5% = 0.013 sqm. = 0.268 sqm. Say 0.27 sqm.					
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	0.27	321.00	86.67	
7034	Nickle plated M.S. pipe 20 mm dia.	metre	1.65	78.00	128.70	
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00	
9977	Carriage of material	L.S.	0.52	2.27	1.18	
9999	M.S. flat 25x3mm and 10cm long over brackets	L.S.	8.06	2.27	18.30	
2505	Hollock wood in planks	10 cudm	0.032	409.00	13.09	
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	24.00	48.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.18	816.00	146.88	
0114	Beldar	day	0.18	736.00	132.48	
0130	Mistry	day	0.11	897.00	98.67	
9999	Sundries	L.S.	2.73	2.27	6.20	
	TOTAL				844.25	W
	Add 1 % Water charges on “W”				8.44	
	TOTAL				852.69	X
	Add GST on “X” (multiplying factor 0.2127)				181.37	
	TOTAL				1034.06	Y
	Add 15% CPOH on “Y”				155.11	
	TOTAL				1189.17	Z
	Add Cess @ 1% on “Z”				11.89	
	Cost of 2 m				1201.06	
	Cost of 1 metre				600.53	
	Say				600.55	

9.43 **Providing and fixing 18 mm thick, 150 mm wide pelmet of coir veneer board ISI marked IS : 14842, including top cover of 6 mm coir veneer board, nickle plated M.S. Pipe 20 mm dia. (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. Flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a pelmet 2m long					
	MATERIAL					
	(i) 18mm thick Coir veneered board					
	Front-1x1.7x0.15= 0.255sqm.+					
	Sides-2x0.15x0.15= 0.045sqm.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total = 0.300sqm.+					
	Add wastage @5% = 0.015sqm.					
	Total = 0.315sqm. Say 0.32 sqm.					
7556	Coir veneered board 18mm thick	sqm	0.32	980.00	313.60	
	6mm thick commercial ply wood					
	Top-1x1.7x0.15= 0.255sqm.+					
	Add wastage @ 5% = 0.013 sqm.					
	Total = 0.268 sqm. Say 0.27 sqm.					
7553	Coir veneered board 6mm thick	sqm	0.27	368.00	99.36	
7034	Nickle plated M.S. pipe 20 mm dia.	metre	1.65	78.00	128.70	
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00	
9977	Carriage of material	L.S.	0.52	2.27	1.18	
9999	M.S. flat 25x3mm and 10cm long over brackets	L.S.	8.06	2.27	18.30	
2505	Hollock wood in planks	10 cudm	0.032	409.00	13.09	
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	24.00	48.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.18	816.00	146.88	
0114	Beldar	day	0.18	736.00	132.48	
0130	Mistry	day	0.11	897.00	98.67	
9999	Sundries	L.S.	2.73	2.27	6.20	
	TOTAL				1020.46	W
	Add 1 % Water charges on “W”				10.20	
	TOTAL				1030.66	X
	Add GST on “X” (multiplying factor 0.2127)				219.22	
	TOTAL				1249.88	Y
	Add 15% CPOH on “Y”				187.48	
	TOTAL				1437.36	Z
	Add Cess @ 1% on “Z”				14.37	
	Cost of 2 m				1451.73	
	Cost of 1 metre				725.87	
	Say				725.85	

9.44 Extra for using veneered particle board conforming to IS 3097 Grade I, in item of pelmet 18mm thick 150mm wide.

9.44.1 Non decorative veneer on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a pelmet 2m long					
	MATERIAL					
	(i) 18mm thick particle board (medium density exterior grade)					
	Front-1x1.7x0.15= 0.255sqm.+					
	Sides-2x0.15x0.15= 0.045sqm.					
	Total = 0.300sqm.+					
	Add wastage @5% = 0.015sqm.					
	Total = 0.315sqm. Say 0.32 sqm.					
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	0.32	170.00	54.40	
	TOTAL				54.40	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				0.54	
	TOTAL				54.94	X
	Add GST on “X” (multiplying factor 0.2127)				11.69	
	TOTAL				66.63	Y
	Add 15% CPOH on “Y”				9.99	
	TOTAL				76.62	Z
	Add Cess @ 1% on “Z”				0.77	
	Cost of 2m				77.39	
	Cost of 1 metre				38.70	
	Say				38.70	

9.44.2 Particle board with decorative veneering on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a pelmet 2m long					
	MATERIAL					
	(i) 18mm thick particle board (medium density exterior grade)					
	Front-1x1.7x0.15= 0.255sqm.+					
	Sides-2x0.15x0.15= 0.045sqm.					
	Total = 0.300sqm.+					
	Add wastage @5% = 0.015sqm.					
	Total = 0.315sqm. Say 0.32 sqm.					
0348	Extra for veneered particle board with Teak veneering on both sides	sqm	0.32	550.00	176.00	
	TOTAL				176.00	W
	Add 1 % Water charges on “W”				1.76	
	TOTAL				177.76	X
	Add GST on “X” (multiplying factor 0.2127)				37.81	
	TOTAL				215.57	Y
	Add 15% CPOH on “Y”				32.34	
	TOTAL				247.91	Z
	Add Cess @ 1% on “Z”				2.48	
	Cost of 2m				250.39	
	Cost of 1 metre				125.20	
	Say				125.20	

9.45 Providing and fixing teak wood lipping of size 25x3 mm in pelmet.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metre					
	MATERIAL					
7049	Teak wood lipping of size 25x3 mm in pelmets	metre	10.00	13.00	130.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.25	816.00	204.00	
0114	Beldar	day	0.25	736.00	184.00	
	TOTAL				518.00	W
	Add 1 % Water charges on “W”				5.18	
	TOTAL				523.18	X
	Add GST on “X” (multiplying factor 0.2127)				111.28	
	TOTAL				634.46	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on “Y”				95.17	
	TOTAL				729.63	Z
	Add Cess @ 1% on “Z”				7.30	
	Cost for 10 metre				736.93	
	Cost of 1 metre				73.69	
	Say				73.70	

9.46 Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete :

9.46.1 12 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2m long					
	MATERIAL					
0590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	2.00	178.00	356.00	
7023	Chromium plated brackets (curtain rods)	each	2.00	9.00	18.00	
9999	C.P. brass screws	L.S.	4.03	2.27	9.15	
9977	CARRIAGE	L.S.	1.56	2.27	3.54	
0458	PVC cleeves for screws	each	2.00	2.20	4.40	
9999	LABOUR	L.S.	2.73	2.27	6.20	
9999	Sundries	L.S.	1.56	2.27	3.54	
	TOTAL				400.83	W
	Add 1 % Water charges on “W”				4.01	
	TOTAL				404.84	X
	Add GST on “X” (multiplying factor 0.2127)				86.11	
	TOTAL				490.95	Y
	Add 15% CPOH on “Y”				73.64	
	TOTAL				564.59	Z
	Add Cess @ 1% on “Z”				5.65	
	Cost for 2 metre				570.24	
	Cost of 1 metre				285.12	
	Say				285.10	

9.46.2 20 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2m long					
	MATERIAL					
0591	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	2.00	254.00	508.00	
7023	Chromium plated brackets (curtain rods)	each	2.00	9.00	18.00	
9999	C.P. brass screws	L.S.	4.03	2.27	9.15	
9977	CARRIAGE	L.S.	1.56	2.27	3.54	
0458	PVC cleeves for screws	each	2.00	2.20	4.40	
9999	LABOUR	L.S.	2.73	2.27	6.20	
9999	Sundries	L.S.	1.56	2.27	3.54	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				552.83	W
	Add 1 % Water charges on “W”				5.53	
	TOTAL				558.36	X
	Add GST on “X” (multiplying factor 0.2127)				118.76	
	TOTAL				677.12	Y
	Add 15% CPOH on “Y”				101.57	
	TOTAL				778.69	Z
	Add Cess @ 1% on “Z”				7.79	
	Cost for 2 metre				786.48	
	Cost of 1 metre				393.24	
	Say				393.25	

9.46.3 25 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2m long					
	MATERIAL					
0592	Chromium plated Brass curtain rod 25 mm dia 1.25mm thick	metre	2.00	347.00	694.00	
7023	Chromium plated brackets (curtain rods)	each	2.00	9.00	18.00	
9999	C.P. brass screws	L.S.	4.03	2.27	9.15	
9977	CARRIAGE	L.S.	1.56	2.27	3.54	
0458	PVC cleeves for screws	each	2.00	2.20	4.40	
9999	LABOUR	L.S.	2.73	2.27	6.20	
9999	Sundries	L.S.	1.56	2.27	3.54	
	TOTAL				738.83	W
	Add 1 % Water charges on “W”				7.39	
	TOTAL				746.22	X
	Add GST on “X” (multiplying factor 0.2127)				158.72	
	TOTAL				904.94	Y
	Add 15% CPOH on “Y”				135.74	
	TOTAL				1040.68	Z
	Add Cess @ 1% on “Z”				10.41	
	Cost for 2 metre				1051.09	
	Cost of 1 metre				525.55	
	Say				525.55	

9.47 Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :

9.47.1 20 mm dia (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2m long					
	MATERIAL					
7034	Nickle plated M.S. pipe 20 mm dia.	metre	2.00	78.00	156.00	
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00	
9999	Screws	L.S.	4.03	2.27	9.15	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	CARRIAGE	L.S.	1.56	2.27	3.54	
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	24.00	48.00	
9999	Labour including fixing rawl plug	L.S.	5.20	2.27	11.80	
9999	Sundries	L.S.	1.56	2.27	3.54	
	TOTAL				246.03	W
	Add 1 % Water charges on “W”				2.46	
	TOTAL				248.49	X
	Add GST on “X” (multiplying factor 0.2127)				52.85	
	TOTAL				301.34	Y
	Add 15% CPOH on “Y”				45.20	
	TOTAL				346.54	Z
	Add Cess @ 1% on “Z”				3.47	
	Cost for 2 metre				350.01	
	Cost of 1 metre				175.01	
	Say				175.00	

9.47.2 25 mm dia (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2m long					
	MATERIAL					
7033	Nickel plated M.S. pipe 25mm dia	metre	2.00	84.00	168.00	
7036	Nickle plated M.S. Brackets for curtain rod 25 mm	each	2.00	9.00	18.00	
9999	Screws	L.S.	4.03	2.27	9.15	
9999	CARRIAGE	L.S.	1.56	2.27	3.54	
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	24.00	48.00	
9999	Labour including fixing rawl plug	L.S.	5.20	2.27	11.80	
9999	Sundries	L.S.	1.56	2.27	3.54	
	TOTAL				262.03	W
	Add 1 % Water charges on “W”				2.62	
	TOTAL				264.65	X
	Add GST on “X” (multiplying factor 0.2127)				56.29	
	TOTAL				320.94	Y
	Add 15% CPOH on “Y”				48.14	
	TOTAL				369.08	Z
	Add Cess @ 1% on “Z”				3.69	
	Cost for 2 metre				372.77	
	Cost of 1 metre				186.39	
	Say				186.40	

9.48 Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.

9.48.1 Fixed to steel windows by welding

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 18.54 kg					
	Grill size 90x120cm = 1.08sqm.					
	MATERIAL					
	M.S. bar 16mm dia. metre- 11x86cm = 9.46m.					
	@ 1.58kg/m = 14.95kg+					
	Add wastage @ 10% = 1.50kg.					
	Total = 16.45kg. Say 0.165q					
1003	Mild steel round bar above 12 mm dia	quintal	0.165	5450.00	899.25	
	M.S. flat 25x3.15mm					
	2x120cm = 2.40m+					
	2x90cm = 1.80m+					
	1x120cm = 1.20m+					
	2x15cm = 0.30m					
	Total =5.70m					
	5.70m @ 0.63kg/m = 3.59kg+					
	Add wastage @ 10% = 0.36kg.					
	Total = 3.95kg. Say 4 kg. or 0.04q					
1008	Flats upto 10 mm in thickness	quintal	0.04	5450.00	218.00	
2205	Carriage of Steel	tonne	0.02	0.00	0.00	
	0.165 + 0.04 = 0.205 q = 0.0205 t					
	Say 0.02 tonne					
9999	Sundries	L.S.	26.91	2.27	61.09	
9999	Welding charges	L.S.	19.76	2.27	44.86	
	Priming coat:					
	Area=1x0.9x1.2x1=1.08 sqm					
13.50.3	Rate as per Item No.13.50.3 of SH: Finishing	sqm	1.08	67.40	72.79	A
	LABOUR					
0102	Blacksmith 1st class	day	0.86	897.00	771.42	
0114	Beldar	day	1.10	736.00	809.60	
	TOTAL				2877.01	W
	Add 1 % Water charges on “W-A”				28.04	
	TOTAL				2905.05	X
	Add GST on “X-A” (multiplying factor 0.2127)				602.42	
	TOTAL				3507.47	Y
	Add 15% CPOH on “Y-A”				515.20	
	TOTAL				4022.67	Z
	Add Cess @ 1% on “Z-A”				39.50	
	Cost for 18.54 kg.				4062.17	
	Cost for 1 kg.				219.10	
	Say				219.10	

9.48.2 Fixed to openings /wooden frames with rawl plugs screws etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 18.54 kg					
	Grill size 90x120cm = 1.08sqm.					
	MATERIAL					
	M.S. bar 16mm dia. metre- 11x86cm = 9.46m.					
	@ 1.58kg/m = 14.95kg+					
	Add wastage @ 10% = 1.50kg.					
	Total = 16.45kg. Say 0.165q					
1003	Mild steel round bar above 12 mm dia	quintal	0.165	5450.00	899.25	
	M.S. flat 25x3.15mm					
	2x120cm = 2.40m+					
	2x90cm = 1.80m+					
	1x120cm = 1.20m+					
	2x15cm = 0.30m					
	Total =5.70m					
	5.70m @ 0.63kg/m = 3.59kg+					
	Add wastage @ 10% = 0.36kg.					
	Total = 3.95kg. Say 4 kg. or 0.04q					
1008	Flats upto 10 mm in thickness	quintal	0.04	5450.00	218.00	
2205	Carriage of Steel	tonne	0.02	0.00	0.00	
	0.165 + 0.04 = 0.205 q = 0.0205 t					
	Say 0.02 tonne					
9999	Sundries	L.S.	26.91	2.27	61.09	
9999	Welding charges	L.S.	19.76	2.27	44.86	
	Priming coat:					
	Area=1x0.9x1.2x1=1.08 sqm					
13.50.3	Rate as per Item No.13.50.3 of SH:Finishing	sqm	1.08	67.40	72.79	A
	LABOUR					
0102	Blacksmith 1st class	day	0.86	897.00	771.42	
0114	Beldar	day	1.10	736.00	809.60	
7048	Rawl plug 50 mm (designation 10 no.)	each	8.00	24.00	192.00	
9999	Fixing of rawl plugs	L.S.	26.00	2.27	59.02	
	TOTAL				3128.03	W
	Add 1 % Water charges on “W-A”				30.55	
	TOTAL				3158.58	X
	Add GST on “X-A” (multiplying factor 0.2127)				656.35	
	TOTAL				3814.93	Y
	Add 15% CPOH on “Y-A”				561.32	
	TOTAL				4376.25	Z
	Add Cess @ 1% on “Z-A”				43.03	
	Cost for 18.54 kg.				4419.28	
	Cost for 1 kg.				238.36	
	Say				238.35	

9.49 Providing and fixing expanded metal 20x60 mm strands 3.25 mm wide and 1.6mm thick for windows etc. including 62 x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a window of size 140x110cm =1.54sqm.					
	MATERIAL					
	Expended metal -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+					
	Add wastage @ 10% = 0.15sqm.					
	Total = 1.69 sqm.					
1015	Mild steel expanded metal 20x60 mm strands	sqm	1.69	280.00	473.20	
9977	Carriage	L.S.	1.82	2.27	4.13	
	Priming coat					
	Area=1.40x1.10x1.00=1.54sqm					
13.50.3	Rate as per Item No.13.50.3 of SH: FINISHING	sqm	1.54	67.40	103.80	A
	Second class teak wood beading					
	5mx62mmx19mm = 0.0059cum.					
	Add wastage @ 10% = 0.00059cum.					
	Total = 0.00649cum. Say 6 cudm.					
1190	Second class teak wood in planks	10 cudm	0.60	791.00	474.60	
2204	Carriage of Timber	cum	0.006	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.33	816.00	269.28	
0114	Beldar	day	0.25	736.00	184.00	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				1570.10	W
	Add 1 % Water charges on “W-A”				14.66	
	TOTAL				1584.76	X
	Add GST on “X-A” (multiplying factor 0.2127)				315.00	
	TOTAL				1899.76	Y
	Add 15% CPOH on “Y-A”				269.39	
	TOTAL				2169.15	Z
	Add Cess @ 1% on “Z-A”				20.65	
	Cost of 1.54 sqm.				2189.80	
	Cost of 1 sqm.				1421.95	
	Say				1421.95	

9.50 Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a window of size 140x110cm =1.54sqm.					
	MATERIAL					
	Hard drawn steel wire fabric -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+					
	Add wastage @ 10% = 0.15sqm.					
	Total = 1.69 sqm.					
1021	Hard drawn steel wire fabric	sqm	1.69	430.00	726.70	
9977	Carriage of wire fabric	L.S.	1.82	2.27	4.13	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Priming coat					
	Area=1.40x1.10x1.00=1.54sqm					
13.50.3	Rate as per Item No.13.50.3 of SH:FINISHING	sqm	1.54	67.40	103.80	A
	Second class teak wood beading					
	5mx62mmx19mm = 0.0059cum.					
	Add wastage @ 10% = 0.00059cum.					
	Total = 0.00649cum. Say 6 cudm.					
1190	Second class teak wood in planks	10 cudm	0.60	791.00	474.60	
2204	Carriage of Timber	cum	0.006	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.33	816.00	269.28	
0114	Beldar	day	0.25	736.00	184.00	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				1807.37	W
	Add 1 % Water charges on “W-A”				17.04	
	TOTAL				1824.41	X
	Add GST on “X-A” (multiplying factor 0.2127)				365.97	
	TOTAL				2190.38	Y
	Add 15% CPOH on “Y-A”				312.99	
	TOTAL				2503.37	Z
	Add Cess @ 1% on “Z-A”				24.00	
	Cost of 1.54 sqm.				2527.37	
	Cost of 1 sqm.				1641.15	
	Say				1641.15	

9.51 Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.

9.51.1 With second class teak wood beading 62X19 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a window of size 140x110cm =1.54sqm.					
	MATERIAL					
	Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+					
	Add wastage @ 10% = 0.15sqm.					
	Total = 1.69 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	1.69	260.00	439.40	
9977	Carriage of wire fabric	L.S.	1.82	2.27	4.13	
	Second class teak wood beading					
	5mx62mmx19mm = 0.0059cum.					
	Add wastage @ 10% = 0.00059cum.					
	Total = 0.00649cum. Say 6 cudm.					
1190	Second class teak wood in planks	10 cudm	0.60	791.00	474.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2204	Carriage of Timber	cum	0.006	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.33	816.00	269.28	
0114	Beldar	day	0.25	736.00	184.00	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				1416.27	W
	Add 1 % Water charges on “W”				14.16	
	TOTAL				1430.43	X
	Add GST on “X” (multiplying factor 0.2127)				304.25	
	TOTAL				1734.68	Y
	Add 15% CPOH on “Y”				260.20	
	TOTAL				1994.88	Z
	Add Cess @ 1% on “Z”				19.95	
	Cost of 1.54 sqm.				2014.83	
	Cost of 1 sqm.				1308.33	
	Say				1308.35	

9.51.2 With 12 mm mild steel U beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a window of size 140x110cm =1.54sqm. MATERIAL					
	Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+ Add wastage @ 10% = 0.15sqm. Total = 1.69 sqm.					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. Of wire 0.63 mm	sqm	1.69	260.00	439.40	
9977	Carriage of wire fabric	L.S.	1.82	2.27	4.13	
7349	12 mm M.S. ‘U’ beading	metre	5.00	15.00	75.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.33	816.00	269.28	
0114	Beldar	day	0.25	736.00	184.00	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				1016.67	W
	Add 1 % Water charges on “W”				10.17	
	TOTAL				1026.84	X
	Add GST on “X” (multiplying factor 0.2127)				218.41	
	TOTAL				1245.25	Y
	Add 15% CPOH on “Y”				186.79	
	TOTAL				1432.04	Z
	Add Cess @ 1% on “Z”				14.32	
	Cost of 1.54 sqm.				1446.36	
	Cost of 1 sqm.				939.19	
	Say				939.20	

9.52 Deduct for fixing 75x25 mm hard drawn steel wire fabric of weight not less than 7.75 Kg per sqm in panelled and glazed door and window shutter instead of glass sheet 4 mm thick (weight not less than 10 kg per sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
1021	Hard drawn steel wire fabric	sqm	1.00	430.00	430.00	
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	321.00	-321.00	
	Difference of cost					
	TOTAL				109.00	W
	Add 1 % Water charges on “W”				1.09	
	TOTAL				110.09	X
	Add GST on “X” (multiplying factor 0.2127)				23.42	
	TOTAL				133.51	Y
	Add 15% CPOH on “Y”				20.03	
	TOTAL				153.54	Z
	Add Cess @ 1% on “Z”				1.54	
	Extra cost for 1 sqm.				155.08	
	Say				155.10	

9.53 Providing 40x5 mm flat iron hold fast 400 mm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 300x100x150mm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 hold fast					
	MATERIAL					
	M.S.flat 40x5mm 40cm long @ 1.68 kg/m = 0.672 kg = 0.007 qunital					
1008	Flats upto 10 mm in thickness	quintal	0.007	5450.00	38.15	
9977	Carriage of steel	L.S.	1.82	2.27	4.13	
	Cement concrete 1:3:6					
	30x10x15cm= 0.0045cum.+					
	Add wastage @ 10% = 0.00045cum.					
	Total = 0.00495cum. Say 0.005cum.					
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.005	9311.40	46.56	A
9999	Bolts and nuts	L.S.	5.46	2.27	12.39	
	LABOUR					
0103	Blacksmith 2nd class	day	0.03	816.00	24.48	
0123	Mason (brick layer) 1st class	day	0.03	897.00	26.91	
0114	Beldar	day	0.03	736.00	22.08	
	TOTAL				174.70	W
	Add 1 % Water charges on “W-A”				1.28	
	TOTAL				175.98	X
	Add GST on “X-A” (multiplying factor 0.2127)				27.53	
	TOTAL				203.51	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y-A"				23.54	
	TOTAL				227.05	Z
	Add Cess @ 1% on "Z-A"				1.80	
	Cost for 1 no				228.85	
	Say				228.85	

9.54 Providing beams including hoisting, fixing in position and applying wood preservative for the unexposed surfaces, etc. complete with :

9.54.1 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a beam 450x30x15cm = 0.203cum. or 203cudm.					
	MATERIAL					
	Sal wood = 203 cudm.+					
	Add wastage @ 2% = 4.06cudm.					
	Total = 207.06cudm. Say 207.1 cudm.					
1199	Sal wood in scantling	10 cudm	20.71	600.00	12426.00	
2204	Carriage of Timber	cum	0.207	0.00	0.00	
	Priming coat (wood preservative)					
13.57.1	Rate as per item no 13.57.1 SH : Finishing	sqm	0.54	54.40	29.38	A
	LABOUR					
0112	Carpenter 2nd class	day	0.70	816.00	571.20	
0114	Beldar	day	1.45	736.00	1067.20	
0100	Bandhani	day	0.70	816.00	571.20	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				14726.07	W
	Add 1 % Water charges on "W-A"				146.97	
	TOTAL				14873.04	X
	Add GST on "X-A" (multiplying factor 0.2127)				3157.25	
	TOTAL				18030.29	Y
	Add 15% CPOH on "Y-A"				2700.14	
	TOTAL				20730.43	Z
	Add Cess @ 1% on "Z-A"				207.01	
	Cost for 203 cudm.				20937.44	
	Cost of 1 cum.				103140.10	
	Say				103140.10	

9.54.2 Hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a beam 450x30x15cm = 0.203cum. or 203cudm.					
	MATERIAL					
	Hollock wood = 203 cudm.+					
	Add wastage @ 2% = 4.06cudm.					
	Total = 207.06cudm. Say 207.1 cudm.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2466	Hollock wood in scantling	10 cudm	20.71	366.00	7579.86	
2204	Carriage of Timber	cum	0.207	0.00	0.00	
	Priming coat (wood preservative)					
13.57.1	Rate as per item no 13.57.1 SH : Finishing	sqm	0.54	54.40	29.38	A
	LABOUR					
0112	Carpenter 2nd class	day	0.70	816.00	571.20	
0114	Beldar	day	1.45	736.00	1067.20	
0100	Bandhani	day	0.70	816.00	571.20	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				9879.93	W
	Add 1 % Water charges on “W-A”				98.51	
	TOTAL				9978.44	X
	Add GST on “X-A” (multiplying factor 0.2127)				2116.17	
	TOTAL				12094.61	Y
	Add 15% CPOH on “Y-A”				1809.78	
	TOTAL				13904.39	Z
	Add Cess @ 1% on “Z-A”				138.75	
	Cost for 203 cudm.				14043.14	
	Cost of 1 cum.				69178.03	
	Say				69178.05	

9.55 Providing and fixing ISI marked IS:1341 M.S. pressed butt hinges bright finished with necessary screws etc. complete :

9.55.1 125x65x2.12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten hinges					
	MATERIAL					
0594	Bright finished or black enamelled mild steel butt hinges 125x65x2.12 mm	10 Nos	1.00	122.00	122.00	
0635	Bright finished or black enamelled ISI marked IS: 1341 mild steel pressed screws 50 mm	100 Nos	0.80	80.00	64.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				372.68	W
	Add 1 % Water charges on “W”				3.73	
	TOTAL				376.41	X
	Add GST on “X” (multiplying factor 0.2127)				80.06	
	TOTAL				456.47	Y
	Add 15% CPOH on “Y”				68.47	
	TOTAL				524.94	Z
	Add Cess @ 1% on “Z”				5.25	
	Cost of 10 nos.				530.19	
	Cost of 1 no				53.02	
	Say				53.00	

9.55.2 100x58x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten hinges					
	MATERIAL					
0595	Bright finished or black enamelled ISI marked IS: 1341 mild steel pressed butt hinges 100x58x1.90 mm	10 Nos	1.00	80.00	80.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	62.00	49.60	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				316.28	W
	Add 1 % Water charges on “W”				3.16	
	TOTAL				319.44	X
	Add GST on “X” (multiplying factor 0.2127)				67.94	
	TOTAL				387.38	Y
	Add 15% CPOH on “Y”				58.11	
	TOTAL				445.49	Z
	Add Cess @ 1% on “Z”				4.45	
	Cost of 10 nos.				449.94	
	Cost of 1 no				44.99	
	Say				45.00	

9.55.3 75x47x1.70 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten hinges					
	MATERIAL					
0596	Bright finished or black enamelled ISI marked IS: 1341 mild steel pressed butt hinges75x47x1.70 mm	10 Nos	1.00	63.00	63.00	
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	48.00	28.80	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				276.41	W
	Add 1 % Water charges on “W”				2.76	
	TOTAL				279.17	X
	Add GST on “X” (multiplying factor 0.2127)				59.38	
	TOTAL				338.55	Y
	Add 15% CPOH on “Y”				50.78	
	TOTAL				389.33	Z
	Add Cess @ 1% on “Z”				3.89	
	Cost of 10 nos.				393.22	
	Cost of 1 no				39.32	
	Say				39.30	

9.55.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten hinges					
	MATERIAL					
0597	Bright finished or black enamelled ISI marked IS: 1341 mild steel pressed butt hinges50x37x1.50 mm	10 Nos	1.00	49.00	49.00	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.40	40.00	16.00	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				132.35	W
	Add 1 % Water charges on “W”				1.32	
	TOTAL				133.67	X
	Add GST on “X” (multiplying factor 0.2127)				28.43	
	TOTAL				162.10	Y
	Add 15% CPOH on “Y”				24.32	
	TOTAL				186.42	Z
	Add Cess @ 1% on “Z”				1.86	
	Cost of 10 nos.				188.28	
	Cost of 1 no				18.83	
	Say				18.85	

9.56 Providing and fixing ISI marked, IS : 1341, M.S. heavy weight bright finished butt hinges with necessary screws etc. complete :

9.56.1 125x90x4.00 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten hinges					
	MATERIAL					
8222	M.S. heavy weight but hinges 125x90x4.0mm IS : 1341 marked.	10 Nos	1.00	250.00	250.00	
0635	Bright finished or black enamelled mild steel screws 50 mm	100 Nos	0.80	80.00	64.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				500.68	W
	Add 1 % Water charges on “W”				5.01	
	TOTAL				505.69	X
	Add GST on “X” (multiplying factor 0.2127)				107.56	
	TOTAL				613.25	Y
	Add 15% CPOH on “Y”				91.99	
	TOTAL				705.24	Z
	Add Cess @ 1% on “Z”				7.05	
	Cost of 10 nos.				712.29	
	Cost of 1 no				71.23	
	Say				71.25	

9.56.2 100x75x3.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten hinges					
	MATERIAL					
8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	1.00	200.00	200.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	62.00	49.60	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				436.28	W
	Add 1 % Water charges on “W”				4.36	
	TOTAL				440.64	X
	Add GST on “X” (multiplying factor 0.2127)				93.72	
	TOTAL				534.36	Y
	Add 15% CPOH on “Y”				80.15	
	TOTAL				614.51	Z
	Add Cess @ 1% on “Z”				6.15	
	Cost of 10 nos.				620.66	
	Cost of 1 no				62.07	
	Say				62.05	

9.56.3 75x60x3.10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten hinges					
	MATERIAL					
8224	M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked	10 Nos	1.00	125.00	125.00	
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	48.00	28.80	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				338.41	W
	Add 1 % Water charges on “W”				3.38	
	TOTAL				341.79	X
	Add GST on “X” (multiplying factor 0.2127)				72.70	
	TOTAL				414.49	Y
	Add 15% CPOH on “Y”				62.17	
	TOTAL				476.66	Z
	Add Cess @ 1% on “Z”				4.77	
	Cost of 10 nos.				481.43	
	Cost of 1 no				48.14	
	Say				48.15	

9.56.4 50x40x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten hinges					
	MATERIAL					
8225	M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked	10 Nos	1.00	110.00	110.00	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.40	40.00	16.00	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				193.35	W
	Add 1 % Water charges on “W”				1.93	
	TOTAL				195.28	X
	Add GST on “X” (multiplying factor 0.2127)				41.54	
	TOTAL				236.82	Y
	Add 15% CPOH on “Y”				35.52	
	TOTAL				272.34	Z
	Add Cess @ 1% on “Z”				2.72	
	Cost of 10 nos.				275.06	
	Cost of 1 no				27.51	
	Say				27.50	

9.57 Providing and fixing ISI marked IS:1341 oxidised M.S. pressed butt hinges with necessary screws etc. complete. (Copper oxidised as per IS 1378)

9.57.1 125x65x2.12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0642	Oxidised mild steel butt hinges 125x65x2.12 mm	10 Nos	1.00	135.00	135.00	
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	85.00	68.00	
9977	Carriage of materials	L.S.	3.64	2.27	8.26	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				391.74	W
	Add 1 % Water charges on “W”				3.92	
	TOTAL				395.66	X
	Add GST on “X” (multiplying factor 0.2127)				84.16	
	TOTAL				479.82	Y
	Add 15% CPOH on “Y”				71.97	
	TOTAL				551.79	Z
	Add Cess @ 1% on “Z”				5.52	
	Cost of 10 nos.				557.31	
	Cost of 1 no				55.73	
	Say				55.75	

9.57.2 100x58x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0643	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	1.00	96.00	96.00	
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	70.00	56.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				338.68	W
	Add 1 % Water charges on “W”				3.39	
	TOTAL				342.07	X
	Add GST on “X” (multiplying factor 0.2127)				72.76	
	TOTAL				414.83	Y
	Add 15% CPOH on “Y”				62.22	
	TOTAL				477.05	Z
	Add Cess @ 1% on “Z”				4.77	
	Cost of 10 nos.				481.82	
	Cost of 1 no				48.18	
	Say				48.20	

9.57.3 75x47x1.70 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0644	Oxidised mild steel butt hinges75x47x1.70 mm	10 Nos	1.00	70.00	70.00	
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	50.00	30.00	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				284.61	W
	Add 1 % Water charges on “W”				2.85	
	TOTAL				287.46	X
	Add GST on “X” (multiplying factor 0.2127)				61.14	
	TOTAL				348.60	Y
	Add 15% CPOH on “Y”				52.29	
	TOTAL				400.89	Z
	Add Cess @ 1% on “Z”				4.01	
	Cost of 10 nos.				404.90	
	Cost of 1 no				40.49	
	Say				40.50	

9.57.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0645	Oxidised mild steel butt hinges50x37x1.50 mm	10 Nos	1.00	60.00	60.00	
0686	Oxidised mild steel screws 20 mm	100 Nos	0.40	33.00	13.20	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				140.55	W
	Add 1 % Water charges on “W”				1.41	
	TOTAL				141.96	X
	Add GST on “X” (multiplying factor 0.2127)				30.19	
	TOTAL				172.15	Y
	Add 15% CPOH on “Y”				25.82	
	TOTAL				197.97	Z
	Add Cess @ 1% on “Z”				1.98	
	Cost of 10 nos.				199.95	
	Cost of 1 no				20.00	
	Say				20.00	

9.58 Providing and fixing ISI marked IS: 1341 oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete (Copper oxidised as per IS 1378)

9.58.1 150x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0646	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	1.00	365.00	365.00	
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	70.00	56.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				644.48	W
	Add 1 % Water charges on “W”				6.44	
	TOTAL				650.92	X
	Add GST on “X” (multiplying factor 0.2127)				138.45	
	TOTAL				789.37	Y
	Add 15% CPOH on “Y”				118.41	
	TOTAL				907.78	Z
	Add Cess @ 1% on “Z”				9.08	
	Cost of 10 nos.				916.86	
	Cost of 1 no				91.69	
	Say				91.70	

9.58.2 125x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	1.00	325.00	325.00	
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	70.00	56.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				604.48	W
	Add 1 % Water charges on “W”				6.04	
	TOTAL				610.52	X
	Add GST on “X” (multiplying factor 0.2127)				129.86	
	TOTAL				740.38	Y
	Add 15% CPOH on “Y”				111.06	
	TOTAL				851.44	Z
	Add Cess @ 1% on “Z”				8.51	
	Cost of 10 nos.				859.95	
	Cost of 1 no				86.00	
	Say				86.00	

9.58.3 100x125x27x2.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	1.00	250.00	250.00	
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	70.00	56.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				529.48	W
	Add 1 % Water charges on “W”				5.29	
	TOTAL				534.77	X
	Add GST on “X” (multiplying factor 0.2127)				113.75	
	TOTAL				648.52	Y
	Add 15% CPOH on “Y”				97.28	
	TOTAL				745.80	Z
	Add Cess @ 1% on “Z”				7.46	
	Cost of 10 nos.				753.26	
	Cost of 1 no				75.33	
	Say				75.35	

9.58.4 75x100x20x2.24 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0649	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	1.00	215.00	215.00	
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	50.00	30.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				468.48	W
	Add 1 % Water charges on “W”				4.68	
	TOTAL				473.16	X
	Add GST on “X” (multiplying factor 0.2127)				100.64	
	TOTAL				573.80	Y
	Add 15% CPOH on “Y”				86.07	
	TOTAL				659.87	Z
	Add Cess @ 1% on “Z”				6.60	
	Cost of 10 nos.				666.47	
	Cost of 1 no				66.65	
	Say				66.65	

9.59 Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete (Copper oxidised as per IS 1378)

9.59.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0650	Oxidised mild steel single acting spring hinges 150 mm	each	10.00	150.00	1500.00	
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	85.00	68.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.20	736.00	147.20	
	TOTAL				2047.80	W
	Add 1 % Water charges on “W”				20.48	
	TOTAL				2068.28	X
	Add GST on “X” (multiplying factor 0.2127)				439.92	
	TOTAL				2508.20	Y
	Add 15% CPOH on “Y”				376.23	
	TOTAL				2884.43	Z
	Add Cess @ 1% on “Z”				28.84	
	Cost of 10 nos.				2913.27	
	Cost of 1 no				291.33	
	Say				291.35	

9.59.2 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0651	Oxidised mild steel single acting spring hinges 125 mm	each	10.00	130.00	1300.00	
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	85.00	68.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.20	736.00	147.20	
	TOTAL				1847.80	W
	Add 1 % Water charges on “W”				18.48	
	TOTAL				1866.28	X
	Add GST on “X” (multiplying factor 0.2127)				396.96	
	TOTAL				2263.24	Y
	Add 15% CPOH on “Y”				339.49	
	TOTAL				2602.73	Z
	Add Cess @ 1% on “Z”				26.03	
	Cost of 10 nos.				2628.76	
	Cost of 1 no				262.88	
	Say				262.90	

9.59.3 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0652	Oxidised mild steel single acting spring hinges 100 mm	each	10.00	110.00	1100.00	
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	70.00	56.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.20	736.00	147.20	
	TOTAL				1635.80	W
	Add 1 % Water charges on “W”				16.36	
	TOTAL				1652.16	X
	Add GST on “X” (multiplying factor 0.2127)				351.41	
	TOTAL				2003.57	Y
	Add 15% CPOH on “Y”				300.54	
	TOTAL				2304.11	Z
	Add Cess @ 1% on “Z”				23.04	
	Cost of 10 nos.				2327.15	
	Cost of 1 no				232.72	
	Say				232.70	

9.60 Providing and fixing ISI marked IS: 453 oxidised M.S. double acting spring hinges with necessary screws etc. complete (Copper oxidised as per IS 1378)

9.60.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0653	Oxidised mild steel double acting spring hinges 150 mm	each	10.00	175.00	1750.00	
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	85.00	68.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.20	736.00	147.20	
	TOTAL				2297.80	W
	Add 1 % Water charges on “W”				22.98	
	TOTAL				2320.78	X
	Add GST on “X” (multiplying factor 0.2127)				493.63	
	TOTAL				2814.41	Y
	Add 15% CPOH on “Y”				422.16	
	TOTAL				3236.57	Z
	Add Cess @ 1% on “Z”				32.37	
	Cost of 10 nos.				3268.94	
	Cost of 1 no				326.89	
	Say				326.90	

9.60.2 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0654	Oxidised mild steel double acting spring hinges 125 mm	each	10.00	150.00	1500.00	
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	85.00	68.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.20	736.00	147.20	
	TOTAL				2047.80	W
	Add 1 % Water charges on “W”				20.48	
	TOTAL				2068.28	X
	Add GST on “X” (multiplying factor 0.2127)				439.92	
	TOTAL				2508.20	Y
	Add 15% CPOH on “Y”				376.23	
	TOTAL				2884.43	Z
	Add Cess @ 1% on “Z”				28.84	
	Cost of 10 nos.				2913.27	
	Cost of 1 no				291.33	
	Say				291.35	

9.60.3 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0655	Oxidised mild steel double acting spring hinges 100 mm	each	10.00	130.00	1300.00	
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	70.00	56.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.20	736.00	147.20	
	TOTAL				1835.80	W
	Add 1 % Water charges on “W”				18.36	
	TOTAL				1854.16	X
	Add GST on “X” (multiplying factor 0.2127)				394.38	
	TOTAL				2248.54	Y
	Add 15% CPOH on “Y”				337.28	
	TOTAL				2585.82	Z
	Add Cess @ 1% on “Z”				25.86	
	Cost of 10 nos.				2611.68	
	Cost of 1 no				261.17	
	Say				261.15	

9.61 Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel chromium plating grade 1 as per IS: 1068 and fixing with necessary screws etc., complete.

9.61.1 Overall width 35 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 meter					
	MATERIAL					
0656	Nickel plated mild steel piono hinges 1 mm thick 35 mm wide	metre	1.00	42.00	42.00	
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	33.00	9.90	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				236.51	W
	Add 1 % Water charges on “W”				2.37	
	TOTAL				238.88	X
	Add GST on “X” (multiplying factor 0.2127)				50.81	
	TOTAL				289.69	Y
	Add 15% CPOH on “Y”				43.45	
	TOTAL				333.14	Z
	Add Cess @ 1% on “Z”				3.33	
	Cost for 1 metre				336.47	
	Say				336.45	

9.61.2 Overall width 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 meter					
	MATERIAL					
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	1.00	43.00	43.00	
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	33.00	9.90	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				237.51	W
	Add 1 % Water charges on “W”				2.38	
	TOTAL				239.89	X
	Add GST on “X” (multiplying factor 0.2127)				51.02	
	TOTAL				290.91	Y
	Add 15% CPOH on “Y”				43.64	
	TOTAL				334.55	Z
	Add Cess @ 1% on “Z”				3.35	
	Cost for 1 metre				337.90	
	Say				337.90	

9.61.3 Overall width 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 meter					
	MATERIAL					
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	1.00	57.00	57.00	
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	33.00	9.90	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				251.51	W
	Add 1 % Water charges on “W”				2.52	
	TOTAL				254.03	X
	Add GST on “X” (multiplying factor 0.2127)				54.03	
	TOTAL				308.06	Y
	Add 15% CPOH on “Y”				46.21	
	TOTAL				354.27	Z
	Add Cess @ 1% on “Z”				3.54	
	Cost for 1 metre				357.81	
	Say				357.80	

9.62 Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete (Copper oxidised as per IS 1378)

9.62.1 300x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0660	Oxidised mild steel sliding door bolt 300x16 mm	each	10.00	100.00	1000.00	
7040	Oxidised mild steel screws 35 mm	100 Nos	1.20	53.00	63.60	
0641	Bright finished or black enamelled mild steel bolts and nuts 50x6 mm	each	40.00	6.00	240.00	
9988	Carriage of materials & sundries	L.S.	6.37	2.27	14.46	
	LABOUR					
0112	Carpenter 2nd class	day	0.25	816.00	204.00	
	TOTAL				1522.06	W
	Add 1 % Water charges on “W”				15.22	
	TOTAL				1537.28	X
	Add GST on “X” (multiplying factor 0.2127)				326.98	
	TOTAL				1864.26	Y
	Add 15% CPOH on “Y”				279.64	
	TOTAL				2143.90	Z
	Add Cess @ 1% on “Z”				21.44	
	Cost of 10 nos.				2165.34	
	Cost of 1 no.				216.53	
	Say				216.55	

9.62.2 250x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0661	Oxidised mild steel sliding door bolt 250x16 mm	each	10.00	85.00	850.00	
7040	Oxidised mild steel screws 35 mm	100 Nos	1.00	53.00	53.00	
0641	Bright finished or black enamelled mild steel bolts and nuts 50x6 mm	each	40.00	6.00	240.00	
9988	Carriage of materials & sundries	L.S.	6.37	2.27	14.46	
	LABOUR					
0112	Carpenter 2nd class	Day	0.25	816.00	204.00	
	TOTAL				1361.46	W
	Add 1 % Water charges on “W”				13.61	
	TOTAL				1375.07	X
	Add GST on “X” (multiplying factor 0.2127)				292.48	
	TOTAL				1667.55	Y
	Add 15% CPOH on “Y”				250.13	
	TOTAL				1917.68	Z
	Add Cess @ 1% on “Z”				19.18	
	Cost of 10 nos.				1936.86	
	Cost of 1 no.				193.69	
	Say				193.70	

9.63 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete (Copper oxidised as per IS 1378)

9.63.1 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0664	Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	10.00	45.00	450.00	
0684	Oxidised mild steel screws 30 mm	100 Nos	1.00	50.00	50.00	
9977	Carriage of material	L.S.	3.64	2.27	8.26	
	LABOUR					
0112	Carpenter 2nd class	day	0.10	816.00	81.60	
	TOTAL				589.86	W
	Add 1 % Water charges on “W”				5.90	
	TOTAL				595.76	X
	Add GST on “X” (multiplying factor 0.2127)				126.72	
	TOTAL				722.48	Y
	Add 15% CPOH on “Y”				108.37	
	TOTAL				830.85	Z
	Add Cess @ 1% on “Z”				8.31	
	Cost of 10 nos.				839.16	
	Cost of 1 no.				83.92	
	Say				83.90	

9.63.2 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	10.00	36.00	360.00	
0684	Oxidised mild steel screws 30 mm	100 Nos	0.80	50.00	40.00	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.10	816.00	81.60	
	TOTAL				487.80	W
	Add 1 % Water charges on “W”				4.88	
	TOTAL				492.68	X
	Add GST on “X” (multiplying factor 0.2127)				104.79	
	TOTAL				597.47	Y
	Add 15% CPOH on “Y”				89.62	
	TOTAL				687.09	Z
	Add Cess @ 1% on “Z”				6.87	
	Cost of 10 nos.				693.96	
	Cost of 1 no.				69.40	
	Say				69.40	

9.63.3 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	10.00	30.00	300.00	
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	50.00	30.00	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.10	816.00	81.60	
	TOTAL				417.80	W
	Add 1 % Water charges on “W”				4.18	
	TOTAL				421.98	X
	Add GST on “X” (multiplying factor 0.2127)				89.76	
	TOTAL				511.74	Y
	Add 15% CPOH on “Y”				76.76	
	TOTAL				588.50	Z
	Add Cess @ 1% on “Z”				5.89	
	Cost of 10 nos.				594.39	
	Cost of 1 no.				59.44	
	Say				59.45	

9.63.4 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0667	Oxidised mild steel tower bolt (barrel type) 100x10 mm	each	10.00	21.00	210.00	
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	50.00	30.00	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				311.48	W
	Add 1 % Water charges on “W”				3.11	
	TOTAL				314.59	X
	Add GST on “X” (multiplying factor 0.2127)				66.91	
	TOTAL				381.50	Y
	Add 15% CPOH on “Y”				57.23	
	TOTAL				438.73	Z
	Add Cess @ 1% on “Z”				4.39	
	Cost of 10 nos.				443.12	
	Cost of 1 no.				44.31	
	Say				44.30	

9.64 Providing and fixing ISI marked 85x42 mm oxidised M.S. pull bolt lock conforming to IS : 7534 with necessary screws bolts, nut and washers etc. complete (Copper oxidised as per IS 1378).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2449	Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws,bolts,nuts and washers complete	each	10.00	64.00	640.00	
9988	Carriage of materials & sundries	L.S.	6.37	2.27	14.46	
	LABOUR					
0112	Carpenter 2nd class	day	0.25	816.00	204.00	
	TOTAL				858.46	W
	Add 1 % Water charges on “W”				8.58	
	TOTAL				867.04	X
	Add GST on “X” (multiplying factor 0.2127)				184.42	
	TOTAL				1051.46	Y
	Add 15% CPOH on “Y”				157.72	
	TOTAL				1209.18	Z
	Add Cess @ 1% on “Z”				12.09	
	Cost of 10 nos.				1221.27	
	Cost of 1 no.				122.13	
	Say				122.15	

9.65 Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete (Copper oxidised as per IS 1378)

9.65.1 300x20x6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0662	Oxidised mild steel door latch 300x20x6 mm	each	10.00	55.00	550.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.90	39.00	35.10	
9977	Carriage of materials	L.S.	3.64	2.27	8.26	
	LABOUR					
0112	Carpenter 2nd class	day	0.12	816.00	97.92	
	TOTAL				691.28	W
	Add 1 % Water charges on “W”				6.91	
	TOTAL				698.19	X
	Add GST on “X” (multiplying factor 0.2127)				148.51	
	TOTAL				846.70	Y
	Add 15% CPOH on “Y”				127.01	
	TOTAL				973.71	Z
	Add Cess @ 1% on “Z”				9.74	
	Cost of 10 nos.				983.45	
	Cost of 1 no.				98.35	
	Say				98.35	

9.65.2 250x20x6 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0663	Oxidised mild steel door latch 250x20x6 mm	each	10.00	42.00	420.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.90	39.00	35.10	
9977	Carriage of materials	L.S.	3.64	2.27	8.26	
	LABOUR					
0112	Carpenter 2nd class	day	0.12	816.00	97.92	
	TOTAL				561.28	W
	Add 1 % Water charges on “W”				5.61	
	TOTAL				566.89	X
	Add GST on “X” (multiplying factor 0.2127)				120.58	
	TOTAL				687.47	Y
	Add 15% CPOH on “Y”				103.12	
	TOTAL				790.59	Z
	Add Cess @ 1% on “Z”				7.91	
	Cost of 10 nos.				798.50	
	Cost of 1 no.				79.85	
	Say				79.85	

9.66 Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete (Copper oxidised as per IS 1378)

9.66.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0668	Oxidised mild steel handles 125 mm	each	10.00	21.00	210.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	39.00	15.60	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.06	816.00	48.96	
	TOTAL				280.76	W
	Add 1 % Water charges on “W”				2.81	
	TOTAL				283.57	X
	Add GST on “X” (multiplying factor 0.2127)				60.32	
	TOTAL				343.89	Y
	Add 15% CPOH on “Y”				51.58	
	TOTAL				395.47	Z
	Add Cess @ 1% on “Z”				3.95	
	Cost of 10 nos.				399.42	
	Cost of 1 no.				39.94	
	Say				39.95	

9.66.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0669	Oxidised mild steel handles 100 mm	each	10.00	16.00	160.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	39.00	15.60	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.06	816.00	48.96	
	TOTAL				228.69	W
	Add 1 % Water charges on “W”				2.29	
	TOTAL				230.98	X
	Add GST on “X” (multiplying factor 0.2127)				49.13	
	TOTAL				280.11	Y
	Add 15% CPOH on “Y”				42.02	
	TOTAL				322.13	Z
	Add Cess @ 1% on “Z”				3.22	
	Cost of 10 nos.				325.35	
	Cost of 1 no.				32.54	
	Say				32.55	

9.66.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0670	Oxidised mild steel handles75 mm	each	10.00	14.00	140.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	39.00	15.60	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.06	816.00	48.96	
	TOTAL				208.69	W
	Add 1 % Water charges on “W”				2.09	
	TOTAL				210.78	X
	Add GST on “X” (multiplying factor 0.2127)				44.83	
	TOTAL				255.61	Y
	Add 15% CPOH on “Y”				38.34	
	TOTAL				293.95	Z
	Add Cess @ 1% on “Z”				2.94	
	Cost of 10 nos.				296.89	
	Cost of 1 no.				29.69	
	Say				29.70	

9.67 Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete (Copper oxidised as per IS 1378)

9.67.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	1.00	132.00	132.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.80	39.00	31.20	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				232.61	W
	Add 1 % Water charges on “W”				2.33	
	TOTAL				234.94	X
	Add GST on “X” (multiplying factor 0.2127)				49.97	
	TOTAL				284.91	Y
	Add 15% CPOH on “Y”				42.74	
	TOTAL				327.65	Z
	Add Cess @ 1% on “Z”				3.28	
	Cost of 10 nos.				330.93	
	Cost of 1 no.				33.09	
	Say				33.10	

9.67.2 115 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	1.00	112.00	112.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.70	39.00	27.30	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				208.71	W
	Add 1 % Water charges on “W”				2.09	
	TOTAL				210.80	X
	Add GST on “X” (multiplying factor 0.2127)				44.84	
	TOTAL				255.64	Y
	Add 15% CPOH on “Y”				38.35	
	TOTAL				293.99	Z
	Add Cess @ 1% on “Z”				2.94	
	Cost of 10 nos.				296.93	
	Cost of 1 no.				29.69	
	Say				29.70	

9.67.3 90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	1.00	81.00	81.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.70	39.00	27.30	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				177.71	W
	Add 1 % Water charges on “W”				1.78	
	TOTAL				179.49	X
	Add GST on “X” (multiplying factor 0.2127)				38.18	
	TOTAL				217.67	Y
	Add 15% CPOH on “Y”				32.65	
	TOTAL				250.32	Z
	Add Cess @ 1% on “Z”				2.50	
	Cost of 10 nos.				252.82	
	Cost of 1 no.				25.28	
	Say				25.30	

9.68 Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete (Copper oxidised as per IS 1378)

9.68.1 300 mm weighing not less than 330 grams

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
7063	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 330 gm	each	10.00	37.00	370.00	
0684	Oxidised mild steel screws 30 mm	100 Nos	0.40	50.00	20.00	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.10	816.00	81.60	
	TOTAL				473.67	W
	Add 1 % Water charges on “W”				4.74	
	TOTAL				478.41	X
	Add GST on “X” (multiplying factor 0.2127)				101.76	
	TOTAL				580.17	Y
	Add 15% CPOH on “Y”				87.03	
	TOTAL				667.20	Z
	Add Cess @ 1% on “Z”				6.67	
	Cost of 10 nos.				673.87	
	Cost of 1 no.				67.39	
	Say				67.40	

9.68.2 250 mm weighing not less than 280 grams

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
7064	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 280 kg	each	10.00	33.00	330.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	39.00	15.60	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.10	816.00	81.60	
	TOTAL				429.27	W
	Add 1 % Water charges on “W”				4.29	
	TOTAL				433.56	X
	Add GST on “X” (multiplying factor 0.2127)				92.22	
	TOTAL				525.78	Y
	Add 15% CPOH on “Y”				78.87	
	TOTAL				604.65	Z
	Add Cess @ 1% on “Z”				6.05	
	Cost of 10 nos.				610.70	
	Cost of 1 no.				61.07	
	Say				61.05	

9.68.3 200 mm weighing not less than 240 grams

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
7065	Oxidised M.S.casement stay (straight peg type) 200 mm not less than 240 kg	each	10.00	28.00	280.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	39.00	15.60	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.10	816.00	81.60	
	TOTAL				379.27	W
	Add 1 % Water charges on “W”				3.79	
	TOTAL				383.06	X
	Add GST on “X” (multiplying factor 0.2127)				81.48	
	TOTAL				464.54	Y
	Add 15% CPOH on “Y”				69.68	
	TOTAL				534.22	Z
	Add Cess @ 1% on “Z”				5.34	
	Cost of 10 nos.				539.56	
	Cost of 1 no.				53.96	
	Say				53.95	

9.69 Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors, (weighting not less than 450 gms) and Copper oxidised as per IS 1378

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for door	each	10.00	60.00	600.00	
0685	Oxidised mild steel screws 25 mm	100 Nos	0.60	39.00	23.40	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.10	816.00	81.60	
	TOTAL				707.07	W
	Add 1 % Water charges on “W”				7.07	
	TOTAL				714.14	X
	Add GST on “X” (multiplying factor 0.2127)				151.90	
	TOTAL				866.04	Y
	Add 15% CPOH on “Y”				129.91	
	TOTAL				995.95	Z
	Add Cess @ 1% on “Z”				9.96	
	Cost of 10 nos.				1005.91	
	Cost of 1 no.				100.59	
	Say				100.60	

9.70 Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :

9.70.1 125x64x1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8215	Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked	10 Nos	1.00	388.00	388.00	
8210	Stainless steel screws 50 mm	100 Nos	0.80	320.00	256.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				830.68	W
	Add 1 % Water charges on “W”				8.31	
	TOTAL				838.99	X
	Add GST on “X” (multiplying factor 0.2127)				178.45	
	TOTAL				1017.44	Y
	Add 15% CPOH on “Y”				152.62	
	TOTAL				1170.06	Z
	Add Cess @ 1% on “Z”				11.70	
	Cost of 10 nos.				1181.76	
	Cost of 1 no				118.18	
	Say				118.20	

9.70.2 100X58X1.90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8216	Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked	10 Nos	1.00	350.00	350.00	
8211	Stainless steel screws 40 mm	100 Nos	0.80	270.00	216.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				752.68	W
	Add 1 % Water charges on “W”				7.53	
	TOTAL				760.21	X
	Add GST on “X” (multiplying factor 0.2127)				161.70	
	TOTAL				921.91	Y
	Add 15% CPOH on “Y”				138.29	
	TOTAL				1060.20	Z
	Add Cess @ 1% on “Z”				10.60	
	Cost of 10 nos.				1070.80	
	Cost of 1 no				107.08	
	Say				107.10	

9.70.3 75x47x1.80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8217	Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked	10 Nos	1.00	225.00	225.00	
8212	Stainless steel screws 30 mm	100 Nos	0.60	255.00	153.00	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				562.61	W
	Add 1 % Water charges on “W”				5.63	
	TOTAL				568.24	X
	Add GST on “X” (multiplying factor 0.2127)				120.86	
	TOTAL				689.10	Y
	Add 15% CPOH on “Y”				103.37	
	TOTAL				792.47	Z
	Add Cess @ 1% on “Z”				7.92	
	Cost of 10 nos.				800.39	
	Cost of 1 no				80.04	
	Say				80.05	

9.70.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	1.00	170.00	170.00	
8214	Stainless steel screws 20 mm	100 Nos	0.40	175.00	70.00	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				307.35	W
	Add 1 % Water charges on “W”				3.07	
	TOTAL				310.42	X
	Add GST on “X” (multiplying factor 0.2127)				66.03	
	TOTAL				376.45	Y
	Add 15% CPOH on “Y”				56.47	
	TOTAL				432.92	Z
	Add Cess @ 1% on “Z”				4.33	
	Cost of 10 nos.				437.25	
	Cost of 1 no				43.73	
	Say				43.75	

9.71 Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :

9.71.1 125x64x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8219	Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS : 12817 marked	10 Nos	1.00	470.00	470.00	
8210	Stainless steel screws 50 mm	100 Nos	0.80	320.00	256.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				912.68	W
	Add 1 % Water charges on “W”				9.13	
	TOTAL				921.81	X
	Add GST on “X” (multiplying factor 0.2127)				196.07	
	TOTAL				1117.88	Y
	Add 15% CPOH on “Y”				167.68	
	TOTAL				1285.56	Z
	Add Cess @ 1% on “Z”				12.86	
	Cost of 10 nos.				1298.42	
	Cost of 1 no				129.84	
	Say				129.85	

9.71.2 100x60x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	1.00	345.00	345.00	
8211	Stainless steel screws 40 mm	100 Nos	0.80	270.00	216.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				747.68	W
	Add 1 % Water charges on “W”				7.48	
	TOTAL				755.16	X
	Add GST on “X” (multiplying factor 0.2127)				160.62	
	TOTAL				915.78	Y
	Add 15% CPOH on “Y”				137.37	
	TOTAL				1053.15	Z
	Add Cess @ 1% on “Z”				10.53	
	Cost of 10 nos.				1063.68	
	Cost of 1 no				106.37	
	Say				106.35	

9.71.3 75x50x2.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8221	Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked	10 Nos	1.00	290.00	290.00	
8212	Stainless steel screws 30 mm	100 Nos	0.60	255.00	153.00	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				627.61	W
	Add 1 % Water charges on “W”				6.28	
	TOTAL				633.89	X
	Add GST on “X” (multiplying factor 0.2127)				134.83	
	TOTAL				768.72	Y
	Add 15% CPOH on “Y”				115.31	
	TOTAL				884.03	Z
	Add Cess @ 1% on “Z”				8.84	
	Cost of 10 nos.				892.87	
	Cost of 1 no				89.29	
	Say				89.30	

9.72 Providing and fixing bright finished brass butt hinges with necessary screws etc. complete :

9.72.1 125x85x5.5 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0382	Brass butt hinges (heavy type) : 125x85x5.5 mm (0.70kg)	10 Nos	1.00	1439.00	1439.00	
0449	Brass screws 50 mm	100 Nos	1.00	242.00	242.00	
9977	Carriage of material	L.S.	3.64	2.27	8.26	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.10	736.00	73.60	
	TOTAL				1888.44	W
	Add 1 % Water charges on “W”				18.88	
	TOTAL				1907.32	X
	Add GST on “X” (multiplying factor 0.2127)				405.69	
	TOTAL				2313.01	Y
	Add 15% CPOH on “Y”				346.95	
	TOTAL				2659.96	Z
	Add Cess @ 1% on “Z”				26.60	
	Cost for 10 nos.				2686.56	
	Cost of 1 no.				268.66	
	Say				268.65	

9.72.2 125x70x4 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0378	Brass butt hinges (light/ordinary type) : 125x70x4 mm	10 Nos	1.00	852.00	852.00	
0449	Brass screws 50 mm	100 Nos	1.00	242.00	242.00	
9977	Carriage of material	L.S.	3.64	2.27	8.26	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.10	736.00	73.60	
	TOTAL				1301.44	W
	Add 1 % Water charges on “W”				13.01	
	TOTAL				1314.45	X
	Add GST on “X” (multiplying factor 0.2127)				279.58	
	TOTAL				1594.03	Y
	Add 15% CPOH on “Y”				239.10	
	TOTAL				1833.13	Z
	Add Cess @ 1% on “Z”				18.33	
	Cost for 10 nos.				1851.46	
	Cost of 1 no.				185.15	
	Say				185.15	

9.72.3 100x85x5.5 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0383	Brass butt hinges (heavy type) : 100x85x5.5 mm (0.56 kg)	10 Nos	1.00	1096.00	1096.00	
0450	Brass screws 40 mm	100 Nos	0.80	187.00	149.60	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.10	736.00	73.60	
	TOTAL				1450.98	W
	Add 1 % Water charges on “W”				14.51	
	TOTAL				1465.49	X
	Add GST on “X” (multiplying factor 0.2127)				311.71	
	TOTAL				1777.20	Y
	Add 15% CPOH on “Y”				266.58	
	TOTAL				2043.78	Z
	Add Cess @ 1% on “Z”				20.44	
	Cost for 10 nos.				2064.22	
	Cost of 1 no.				206.42	
	Say				206.40	

9.72.4 100x70x4 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0379	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	1.00	687.00	687.00	
0450	Brass screws 40 mm	100 Nos	0.80	187.00	149.60	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.10	736.00	73.60	
	TOTAL				1041.98	W
	Add 1 % Water charges on “W”				10.42	
	TOTAL				1052.40	X
	Add GST on “X” (multiplying factor 0.2127)				223.85	
	TOTAL				1276.25	Y
	Add 15% CPOH on “Y”				191.44	
	TOTAL				1467.69	Z
	Add Cess @ 1% on “Z”				14.68	
	Cost for 10 nos.				1482.37	
	Cost of 1 no.				148.24	
	Say				148.25	

9.72.5 75x65x4 mm (heavy type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0384	Brass butt hinges (heavy type) : 75x65x4.0 mm(0.20 kg)	10 Nos	1.00	921.00	921.00	
0451	Brass screws 30 mm	100 Nos	0.60	154.00	92.40	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.10	736.00	73.60	
	TOTAL				1218.78	W
	Add 1 % Water charges on “W”				12.19	
	TOTAL				1230.97	X
	Add GST on “X” (multiplying factor 0.2127)				261.83	
	TOTAL				1492.80	Y
	Add 15% CPOH on “Y”				223.92	
	TOTAL				1716.72	Z
	Add Cess @ 1% on “Z”				17.17	
	Cost for 10 nos.				1733.89	
	Cost of 1 no.				173.39	
	Say				173.40	

9.72.6 75x40x2.5 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0380	Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	1.00	418.00	418.00	
0451	Brass screws 30 mm	100 Nos	0.60	154.00	92.40	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.10	736.00	73.60	
	TOTAL				715.78	W
	Add 1 % Water charges on “W”				7.16	
	TOTAL				722.94	X
	Add GST on “X” (multiplying factor 0.2127)				153.77	
	TOTAL				876.71	Y
	Add 15% CPOH on “Y”				131.51	
	TOTAL				1008.22	Z
	Add Cess @ 1% on “Z”				10.08	
	Cost for 10 nos.				1018.30	
	Cost of 1 no.				101.83	
	Say				101.85	

9.72.7 50x40x2.5 mm (ordinary type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0381	Brass butt hinges (light/ordinary type) : 50x40x2.5 mm	10 Nos	1.00	170.00	170.00	
0453	Brass screws 20 mm	100 Nos	0.40	104.00	41.60	
9977	Carriage of material	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.08	897.00	71.76	
	TOTAL				287.49	W
	Add 1 % Water charges on “W”				2.87	
	TOTAL				290.36	X
	Add GST on “X” (multiplying factor 0.2127)				61.76	
	TOTAL				352.12	Y
	Add 15% CPOH on “Y”				52.82	
	TOTAL				404.94	Z
	Add Cess @ 1% on “Z”				4.05	
	Cost for 10 nos.				408.99	
	Cost of 1 no.				40.90	
	Say				40.90	

9.73 Providing and fixing bright finished brass parliamentary hinges with necessary screws etc. complete :

9.73.1 150x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0385	Brass parliamentary hinges 150x125x27x5 mm	10 Nos	1.00	2871.00	2871.00	
0450	Brass screws 40 mm	100 Nos	0.80	187.00	149.60	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				3255.42	W
	Add 1 % Water charges on “W”				32.55	
	TOTAL				3287.97	X
	Add GST on “X” (multiplying factor 0.2127)				699.35	
	TOTAL				3987.32	Y
	Add 15% CPOH on “Y”				598.10	
	TOTAL				4585.42	Z
	Add Cess @ 1% on “Z”				45.85	
	Cost of 10 nos.				4631.27	
	Cost of 1 no				463.13	
	Say				463.15	

9.73.2 125x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0386	Brass parliamentary hinges 125x125x27x5 mm	10 Nos	1.00	2530.00	2530.00	
0450	Brass screws 40 mm	100 Nos	0.80	187.00	149.60	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				2914.42	W
	Add 1 % Water charges on “W”				29.14	
	TOTAL				2943.56	X
	Add GST on “X” (multiplying factor 0.2127)				626.10	
	TOTAL				3569.66	Y
	Add 15% CPOH on “Y”				535.45	
	TOTAL				4105.11	Z
	Add Cess @ 1% on “Z”				41.05	
	Cost of 10 nos.				4146.16	
	Cost of 1 no				414.62	
	Say				414.60	

9.73.3 100x125x27x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0387	Brass parliamentary hinges 100x125x27x5 mm	10 Nos	1.00	2299.00	2299.00	
0450	Brass screws 40 mm	100 Nos	0.80	187.00	149.60	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				2683.42	W
	Add 1 % Water charges on “W”				26.83	
	TOTAL				2710.25	X
	Add GST on “X” (multiplying factor 0.2127)				576.47	
	TOTAL				3286.72	Y
	Add 15% CPOH on “Y”				493.01	
	TOTAL				3779.73	Z
	Add Cess @ 1% on “Z”				37.80	
	Cost of 10 nos.				3817.53	
	Cost of 1 no				381.75	
	Say				381.75	

9.73.4 75x100x20x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0388	Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	1.00	2057.00	2057.00	
0451	Brass screws 30 mm	100 Nos	0.60	154.00	92.40	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				2384.22	W
	Add 1 % Water charges on “W”				23.84	
	TOTAL				2408.06	X
	Add GST on “X” (multiplying factor 0.2127)				512.19	
	TOTAL				2920.25	Y
	Add 15% CPOH on “Y”				438.04	
	TOTAL				3358.29	Z
	Add Cess @ 1% on “Z”				33.58	
	Cost of 10 nos.				3391.87	
	Cost of 1 no				339.19	
	Say				339.20	

9.74 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :

9.74.1 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0400	Brass tower bolt (barrel type) 250x10 mm	each	10.00	285.00	2850.00	
0451	Brass screws 30 mm	100 Nos	1.00	154.00	154.00	
9977	Carriage of materials	L.S.	4.55	2.27	10.33	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				3104.03	W
	Add 1 % Water charges on “W”				31.04	
	TOTAL				3135.07	X
	Add GST on “X” (multiplying factor 0.2127)				666.83	
	TOTAL				3801.90	Y
	Add 15% CPOH on “Y”				570.29	
	TOTAL				4372.19	Z
	Add Cess @ 1% on “Z”				43.72	
	Cost of 10 nos.				4415.91	
	Cost of 1 no				441.59	
	Say				441.60	

9.74.2 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0401	Brass tower bolt (barrel type) 200x10 mm	each	10.00	230.00	2300.00	
0451	Brass screws 30 mm	100 Nos	0.80	154.00	123.20	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				2519.10	W
	Add 1 % Water charges on “W”				25.19	
	TOTAL				2544.29	X
	Add GST on “X” (multiplying factor 0.2127)				541.17	
	TOTAL				3085.46	Y
	Add 15% CPOH on “Y”				462.82	
	TOTAL				3548.28	Z
	Add Cess @ 1% on “Z”				35.48	
	Cost of 10 nos.				3583.76	
	Cost of 1 no				358.38	
	Say				358.40	

9.74.3 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0402	Brass tower bolt (barrel type) 150x10 mm	each	10.00	180.00	1800.00	
0451	Brass screws 30 mm	100 Nos	0.80	154.00	123.20	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				2019.10	W
	Add 1 % Water charges on “W”				20.19	
	TOTAL				2039.29	X
	Add GST on “X” (multiplying factor 0.2127)				433.76	
	TOTAL				2473.05	Y
	Add 15% CPOH on “Y”				370.96	
	TOTAL				2844.01	Z
	Add Cess @ 1% on “Z”				28.44	
	Cost of 10 nos.				2872.45	
	Cost of 1 no				287.25	
	Say				287.25	

9.74.4 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0403	Brass tower bolt (barrel type) 100x10 mm	each	10.00	120.00	1200.00	
0451	Brass screws 30 mm	100 Nos	0.60	154.00	92.40	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				1388.30	W
	Add 1 % Water charges on “W”				13.88	
	TOTAL				1402.18	X
	Add GST on “X” (multiplying factor 0.2127)				298.24	
	TOTAL				1700.42	Y
	Add 15% CPOH on “Y”				255.06	
	TOTAL				1955.48	Z
	Add Cess @ 1% on “Z”				19.55	
	Cost of 10 nos.				1975.03	
	Cost of 1 no				197.50	
	Say				197.50	

9.75 Providing and fixing bright finished brass door latch with necessary screws etc. complete :

9.75.1 300x16x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0411	Brass door latch 300x16x5 mm (0.380 kg)	each	10.00	205.00	2050.00	
0452	Brass screws 25 mm	100 Nos	0.90	110.00	99.00	
9977	Carriage of materials	L.S.	3.64	2.27	8.26	
	LABOUR					
0111	Carpenter 1st class	day	0.12	897.00	107.64	
	TOTAL				2264.90	W
	Add 1 % Water charges on “W”				22.65	
	TOTAL				2287.55	X
	Add GST on “X” (multiplying factor 0.2127)				486.56	
	TOTAL				2774.11	Y
	Add 15% CPOH on “Y”				416.12	
	TOTAL				3190.23	Z
	Add Cess @ 1% on “Z”				31.90	
	Cost of 10 nos.				3222.13	
	Cost of 1 no.				322.21	
	Say				322.20	

9.75.2 250x16x5 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0412	Brass door latch 250x16x5 mm (0.350 kg)	each	10.00	195.00	1950.00	
0452	Brass screws 25 mm	100 Nos	0.90	110.00	99.00	
9977	Carriage of materials	L.S.	3.64	2.27	8.26	
	LABOUR					
0111	Carpenter 1st class	day	0.12	897.00	107.64	
	TOTAL				2164.90	W
	Add 1 % Water charges on “W”				21.65	
	TOTAL				2186.55	X
	Add GST on “X” (multiplying factor 0.2127)				465.08	
	TOTAL				2651.63	Y
	Add 15% CPOH on “Y”				397.74	
	TOTAL				3049.37	Z
	Add Cess @ 1% on “Z”				30.49	
	Cost of 10 nos.				3079.86	
	Cost of 1 no.				307.99	
	Say				308.00	

9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	1.00	440.00	440.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.27	8.26	
	TOTAL				600.75	W
	Add 1 % Water charges on “W”				6.01	
	TOTAL				606.76	X
	Add GST on “X” (multiplying factor 0.2127)				129.06	
	TOTAL				735.82	Y
	Add 15% CPOH on “Y”				110.37	
	TOTAL				846.19	Z
	Add Cess @ 1% on “Z”				8.46	
	Cost of 1 no				854.65	
	Say				854.65	

9.77 Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
0414	Brass mortice latch 100x65mm with a pair of brass lever handles	each	1.00	350.00	350.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.27	8.26	
	TOTAL				510.75	W
	Add 1 % Water charges on “W”				5.11	
	TOTAL				515.86	X
	Add GST on “X” (multiplying factor 0.2127)				109.72	
	TOTAL				625.58	Y
	Add 15% CPOH on “Y”				93.84	
	TOTAL				719.42	Z
	Add Cess @ 1% on “Z”				7.19	
	Cost of 1 no				726.61	
	Say				726.60	

9.78 Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
0438	Brass Night latch	each	1.00	671.00	671.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.27	8.26	
	TOTAL				831.75	W
	Add 1 % Water charges on “W”				8.32	
	TOTAL				840.07	X
	Add GST on “X” (multiplying factor 0.2127)				178.68	
	TOTAL				1018.75	Y
	Add 15% CPOH on “Y”				152.81	
	TOTAL				1171.56	Z
	Add Cess @ 1% on “Z”				11.72	
	Cost of 1 no				1183.28	
	Say				1183.30	

9.79 Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.

9.79.1 40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
2451	Brass cupboard lock 6 levers (best make of approved quality) 40 mm size	each	1.00	58.00	58.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries & screws	L.S.	3.64	2.27	8.26	
	TOTAL				218.75	W
	Add 1 % Water charges on “W”				2.19	
	TOTAL				220.94	X
	Add GST on “X” (multiplying factor 0.2127)				46.99	
	TOTAL				267.93	Y
	Add 15% CPOH on “Y”				40.19	
	TOTAL				308.12	Z
	Add Cess @ 1% on “Z”				3.08	
	Cost of 1 no				311.20	
	Say				311.20	

9.79.2 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
2452	Brass cupboard lock 6 levers (best make of approved quality) 50 mm size	each	1.00	90.00	90.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries & screws	L.S.	3.64	2.27	8.26	
	TOTAL				250.75	W
	Add 1 % Water charges on “W”				2.51	
	TOTAL				253.26	X
	Add GST on “X” (multiplying factor 0.2127)				53.87	
	TOTAL				307.13	Y
	Add 15% CPOH on “Y”				46.07	
	TOTAL				353.20	Z
	Add Cess @ 1% on “Z”				3.53	
	Cost of 1 no				356.73	
	Say				356.75	

9.79.3 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
2453	Brass cupboard lock 6 levers (best make of approved quality) 65 mm size	each	1.00	94.00	94.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries & screws	L.S.	3.64	2.27	8.26	
	TOTAL				254.75	W
	Add 1 % Water charges on “W”				2.55	
	TOTAL				257.30	X
	Add GST on “X” (multiplying factor 0.2127)				54.73	
	TOTAL				312.03	Y
	Add 15% CPOH on “Y”				46.80	
	TOTAL				358.83	Z
	Add Cess @ 1% on “Z”				3.59	
	Cost of 1 no				362.42	
	Say				362.40	

9.79.4 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
2454	Brass cupboard lock 6 levers (best make of approved quality) 75 mm size	each	1.00	111.00	111.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries & screws	L.S.	3.64	2.27	8.26	
	TOTAL				271.75	W
	Add 1 % Water charges on “W”				2.72	
	TOTAL				274.47	X
	Add GST on “X” (multiplying factor 0.2127)				58.38	
	TOTAL				332.85	Y
	Add 15% CPOH on “Y”				49.93	
	TOTAL				382.78	Z
	Add Cess @ 1% on “Z”				3.83	
	Cost of 1 no				386.61	
	Say				386.60	

9.80 Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with necessary screws.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0447	Brass cupboard knob or ward robe knob 50 mm	each	10.00	39.00	390.00	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
	TOTAL				521.78	W
	Add 1 % Water charges on “W”				5.22	
	TOTAL				527.00	X
	Add GST on “X” (multiplying factor 0.2127)				112.09	
	TOTAL				639.09	Y
	Add 15% CPOH on “Y”				95.86	
	TOTAL				734.95	Z
	Add Cess @ 1% on “Z”				7.35	
	Cost of 10 nos				742.30	
	Cost of 1 no				74.23	
	Say				74.25	

9.81 Providing and fixing bright finished brass handles with screws etc. complete:

9.81.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0408	Brass handles 125 mm with plate 175x32 mm	each	10.00	170.00	1700.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				1804.02	W
	Add 1 % Water charges on “W”				18.04	
	TOTAL				1822.06	X
	Add GST on “X” (multiplying factor 0.2127)				387.55	
	TOTAL				2209.61	Y
	Add 15% CPOH on “Y”				331.44	
	TOTAL				2541.05	Z
	Add Cess @ 1% on “Z”				25.41	
	Cost of 10 nos				2566.46	
	Cost of 1 no				256.65	
	Say				256.65	

9.81.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0409	Brass handles 100 mm with plate 150x32 mm	each	10.00	155.00	1550.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				1649.89	W
	Add 1 % Water charges on “W”				16.50	
	TOTAL				1666.39	X
	Add GST on “X” (multiplying factor 0.2127)				354.44	
	TOTAL				2020.83	Y
	Add 15% CPOH on “Y”				303.12	
	TOTAL				2323.95	Z
	Add Cess @ 1% on “Z”				23.24	
	Cost of 10 nos				2347.19	
	Cost of 1 no				234.72	
	Say				234.70	

9.81.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0410	Brass handles75 mm with plate 125x32 mm	each	10.00	120.00	1200.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				1299.89	W
	Add 1 % Water charges on “W”				13.00	
	TOTAL				1312.89	X
	Add GST on “X” (multiplying factor 0.2127)				279.25	
	TOTAL				1592.14	Y
	Add 15% CPOH on “Y”				238.82	
	TOTAL				1830.96	Z
	Add Cess @ 1% on “Z”				18.31	
	Cost of 10 nos				1849.27	
	Cost of 1 no				184.93	
	Say				184.95	

9.82 Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 hanging floor door stopper					
	MATERIAL					
2455	Brass hanging type door stopper 150 mm	each	10.00	80.00	800.00	
0452	Brass screws 25 mm	100 Nos	0.20	110.00	22.00	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.03	897.00	26.91	
	TOTAL				855.11	W
	Add 1 % Water charges on “W”				8.55	
	TOTAL				863.66	X
	Add GST on “X” (multiplying factor 0.2127)				183.70	
	TOTAL				1047.36	Y
	Add 15% CPOH on “Y”				157.10	
	TOTAL				1204.46	Z
	Add Cess @ 1% on “Z”				12.04	
	Cost of 10 nos				1216.50	
	Cost of 1 no				121.65	
	Say				121.65	

9.83 Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	10.00	699.00	6990.00	
0451	Brass screws 30 mm	100 Nos	0.60	154.00	92.40	
9977	Carriage of material	L.S.	3.64	2.27	8.26	
	LABOUR					
0112	Carpenter 2nd class	day	1.00	816.00	816.00	
	TOTAL				7906.66	W
	Add 1 % Water charges on “W”				79.07	
	TOTAL				7985.73	X
	Add GST on “X” (multiplying factor 0.2127)				1698.56	
	TOTAL				9684.29	Y
	Add 15% CPOH on “Y”				1452.64	
	TOTAL				11136.93	Z
	Add Cess @ 1% on “Z”				111.37	
	Cost of 10 nos				11248.30	
	Cost of 1 no				1124.83	
	Say				1124.85	

9.84 Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
7060	Hydraulic door closer tubular type Aluminium section body	each	10.00	600.00	6000.00	
0451	Brass screws 30 mm	100 Nos	0.60	154.00	92.40	
9977	Carriage of material	L.S.	1.04	2.27	2.36	
	LABOUR					
0112	Carpenter 2nd class	day	1.00	816.00	816.00	
	TOTAL				6910.76	W
	Add 1 % Water charges on “W”				69.11	
	TOTAL				6979.87	X
	Add GST on “X” (multiplying factor 0.2127)				1484.62	
	TOTAL				8464.49	Y
	Add 15% CPOH on “Y”				1269.67	
	TOTAL				9734.16	Z
	Add Cess @ 1% on “Z”				97.34	
	Cost of 10 nos				9831.50	
	Cost of 1 no				983.15	
	Say				983.15	

9.85 Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0423	Brass casement window fastener	Each	10.00	49.00	490.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				625.77	W
	Add 1 % Water charges on “W”				6.26	
	TOTAL				632.03	X
	Add GST on “X” (multiplying factor 0.2127)				134.43	
	TOTAL				766.46	Y
	Add 15% CPOH on “Y”				114.97	
	TOTAL				881.43	Z
	Add Cess @ 1% on “Z”				8.81	
	Cost of 10 nos				890.24	
	Cost of 1 no				89.02	
	Say				89.00	

9.86 Providing and fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete :

9.86.1 300 mm weighing not less than 330 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	10.00	138.00	1380.00	
0451	Brass screws 30 mm	100 Nos	0.40	154.00	61.60	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				1533.37	W
	Add 1 % Water charges on “W”				15.33	
	TOTAL				1548.70	X
	Add GST on “X” (multiplying factor 0.2127)				329.41	
	TOTAL				1878.11	Y
	Add 15% CPOH on “Y”				281.72	
	TOTAL				2159.83	Z
	Add Cess @ 1% on “Z”				21.60	
	Cost of 10 nos				2181.43	
	Cost of 1 no				218.14	
	Say				218.15	

9.86.2 250 mm weighing not less than 280 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	10.00	110.00	1100.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				1235.77	W
	Add 1 % Water charges on “W”				12.36	
	TOTAL				1248.13	X
	Add GST on “X” (multiplying factor 0.2127)				265.48	
	TOTAL				1513.61	Y
	Add 15% CPOH on “Y”				227.04	
	TOTAL				1740.65	Z
	Add Cess @ 1% on “Z”				17.41	
	Cost of 10 nos				1758.06	
	Cost of 1 no				175.81	
	Say				175.80	

9.86.3 200 mm weighing not less than 240 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0426	Brass casement stays (straight peg type) 200 mmweighing not less than 0.24 kg	each	10.00	104.00	1040.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				1175.77	W
	Add 1 % Water charges on “W”				11.76	
	TOTAL				1187.53	X
	Add GST on “X” (multiplying factor 0.2127)				252.59	
	TOTAL				1440.12	Y
	Add 15% CPOH on “Y”				216.02	
	TOTAL				1656.14	Z
	Add Cess @ 1% on “Z”				16.56	
	Cost of 10 nos				1672.70	
	Cost of 1 no				167.27	
	Say				167.25	

9.87 Providing and fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete :

9.87.1 150 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	1.00	814.00	814.00	
0452	Brass screws 25 mm	100 Nos	0.80	110.00	88.00	
9977	Carriage of material	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.08	897.00	71.76	
	TOTAL				977.89	W
	Add 1 % Water charges on “W”				9.78	
	TOTAL				987.67	X
	Add GST on “X” (multiplying factor 0.2127)				210.08	
	TOTAL				1197.75	Y
	Add 15% CPOH on “Y”				179.66	
	TOTAL				1377.41	Z
	Add Cess @ 1% on “Z”				13.77	
	Cost of 10 nos				1391.18	
	Cost of 1 no				139.12	
	Say				139.10	

9.87.2 115 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	1.00	737.00	737.00	
0453	Brass screws 20 mm	100 Nos	0.70	104.00	72.80	
9977	Carriage of material	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.08	897.00	71.76	
	TOTAL				885.69	W
	Add 1 % Water charges on “W”				8.86	
	TOTAL				894.55	X
	Add GST on “X” (multiplying factor 0.2127)				190.27	
	TOTAL				1084.82	Y
	Add 15% CPOH on “Y”				162.72	
	TOTAL				1247.54	Z
	Add Cess @ 1% on “Z”				12.48	
	Cost of 10 nos				1260.02	
	Cost of 1 no				126.00	
	Say				126.00	

9.87.3 90 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0433	Brass hasps and staples (safety type) 90 mm	10 Nos	1.00	632.00	632.00	
0453	Brass screws 20 mm	100 Nos	0.70	104.00	72.80	
9977	Carriage of material	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.08	897.00	71.76	
	TOTAL				780.69	W
	Add 1 % Water charges on “W”				7.81	
	TOTAL				788.50	X
	Add GST on “X” (multiplying factor 0.2127)				167.71	
	TOTAL				956.21	Y
	Add 15% CPOH on “Y”				143.43	
	TOTAL				1099.64	Z
	Add Cess @ 1% on “Z”				11.00	
	Cost of 10 nos				1110.64	
	Cost of 1 no				111.06	
	Say				111.05	

9.88 Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
0558	Chromium plated Brass mortice latch and lock 100x65 mm with6 levers and a pair of brass lever handles	each	1.00	541.00	541.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.27	8.26	
	TOTAL				701.75	W
	Add 1 % Water charges on “W”				7.02	
	TOTAL				708.77	X
	Add GST on “X” (multiplying factor 0.2127)				150.76	
	TOTAL				859.53	Y
	Add 15% CPOH on “Y”				128.93	
	TOTAL				988.46	Z
	Add Cess @ 1% on “Z”				9.88	
	Cost of 1 no				998.34	
	Say				998.35	

9.89 Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
0583	Chromium plated Brass Night latch	each	1.00	509.00	509.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries (screws, carriage etc.)	L.S.	3.64	2.27	8.26	
	TOTAL				669.75	W
	Add 1 % Water charges on “W”				6.70	
	TOTAL				676.45	X
	Add GST on “X” (multiplying factor 0.2127)				143.88	
	TOTAL				820.33	Y
	Add 15% CPOH on “Y”				123.05	
	TOTAL				943.38	Z
	Add Cess @ 1% on “Z”				9.43	
	Cost of 1 no				952.81	
	Say				952.80	

9.90 Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.

9.90.1 Size 40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
2468	Nickled Chromium Brass cupboard lock 40 mm size	each	1.00	64.00	64.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries & screws	L.S.	3.64	2.27	8.26	
	TOTAL				224.75	W
	Add 1 % Water charges on “W”				2.25	
	TOTAL				227.00	X
	Add GST on “X” (multiplying factor 0.2127)				48.28	
	TOTAL				275.28	Y
	Add 15% CPOH on “Y”				41.29	
	TOTAL				316.57	Z
	Add Cess @ 1% on “Z”				3.17	
	Cost of 1 no				319.74	
	Say				319.75	

9.90.2 Size 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
2469	Nickled Chromium Brass cupboard lock 50 mm size	each	1.00	74.00	74.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries & screws	L.S.	3.64	2.27	8.26	
	TOTAL				234.75	W
	Add 1 % Water charges on “W”				2.35	
	TOTAL				237.10	X
	Add GST on “X” (multiplying factor 0.2127)				50.43	
	TOTAL				287.53	Y
	Add 15% CPOH on “Y”				43.13	
	TOTAL				330.66	Z
	Add Cess @ 1% on “Z”				3.31	
	Cost of 1 no				333.97	
	Say				333.95	

9.90.3 Size 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one No					
	MATERIAL					
2470	Nickled Chromium Brass cupboard lock 65 mm size	each	1.00	101.00	101.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries & screws	L.S.	3.64	2.27	8.26	
	TOTAL				261.75	W
	Add 1 % Water charges on “W”				2.62	
	TOTAL				264.37	X
	Add GST on “X” (multiplying factor 0.2127)				56.23	
	TOTAL				320.60	Y
	Add 15% CPOH on “Y”				48.09	
	TOTAL				368.69	Z
	Add Cess @ 1% on “Z”				3.69	
	Cost of 1 no				372.38	
	Say				372.40	

9.90.4 Size 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one					
	MATERIAL					
2471	Nickled Chromium Brass cupboard lock 75 mm size	each	1.00	127.00	127.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9999	Sundries & screws	L.S.	3.64	2.27	8.26	
	TOTAL				287.75	W
	Add 1 % Water charges on “W”				2.88	
	TOTAL				290.63	X
	Add GST on “X” (multiplying factor 0.2127)				61.82	
	TOTAL				352.45	Y
	Add 15% CPOH on “Y”				52.87	
	TOTAL				405.32	Z
	Add Cess @ 1% on “Z”				4.05	
	Cost of 1 no				409.37	
	Say				409.35	

9.91 Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0584	Chromium plated Brass Wardrobe Knobe 50 mm	each	10.00	93.00	930.00	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
	TOTAL				1061.78	W
	Add 1 % Water charges on “W”				10.62	
	TOTAL				1072.40	X
	Add GST on “X” (multiplying factor 0.2127)				228.10	
	TOTAL				1300.50	Y
	Add 15% CPOH on “Y”				195.08	
	TOTAL				1495.58	Z
	Add Cess @ 1% on “Z”				14.96	
	Cost of 10 nos				1510.54	
	Cost of 1 no				151.05	
	Say				151.05	

9.92 Providing and fixing chromium plated brass handles with necessary screws etc. complete:

9.92.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	10.00	152.00	1520.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				1624.02	W
	Add 1 % Water charges on “W”				16.24	
	TOTAL				1640.26	X
	Add GST on “X” (multiplying factor 0.2127)				348.88	
	TOTAL				1989.14	Y
	Add 15% CPOH on “Y”				298.37	
	TOTAL				2287.51	Z
	Add Cess @ 1% on “Z”				22.88	
	Cost of 10 nos				2310.39	
	Cost of 1 no				231.04	
	Say				231.05	

9.92.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	10.00	135.00	1350.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				1449.89	W
	Add 1 % Water charges on “W”				14.50	
	TOTAL				1464.39	X
	Add GST on “X” (multiplying factor 0.2127)				311.48	
	TOTAL				1775.87	Y
	Add 15% CPOH on “Y”				266.38	
	TOTAL				2042.25	Z
	Add Cess @ 1% on “Z”				20.42	
	Cost of 10 nos				2062.67	
	Cost of 1 no				206.27	
	Say				206.25	

9.92.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0557	Chromium plated Brass handles 75mm with plate 125x32 mm	each	10.00	114.00	1140.00	
0452	Brass screws 25 mm	100 Nos	0.40	110.00	44.00	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				1239.89	W
	Add 1 % Water charges on “W”				12.40	
	TOTAL				1252.29	X
	Add GST on “X” (multiplying factor 0.2127)				266.36	
	TOTAL				1518.65	Y
	Add 15% CPOH on “Y”				227.80	
	TOTAL				1746.45	Z
	Add Cess @ 1% on “Z”				17.46	
	Cost of 10 nos				1763.91	
	Cost of 1 no				176.39	
	Say				176.40	

9.93 Providing and fixing chromium plated brass casement window fastener with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0568	Chromium plated brass casement window fastner	each	10.00	93.00	930.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				1092.57	W
	Add 1 % Water charges on “W”				10.93	
	TOTAL				1103.50	X
	Add GST on “X” (multiplying factor 0.2127)				234.71	
	TOTAL				1338.21	Y
	Add 15% CPOH on “Y”				200.73	
	TOTAL				1538.94	Z
	Add Cess @ 1% on “Z”				15.39	
	Cost of 10 nos				1554.33	
	Cost of 1 no				155.43	
	Say				155.45	

9.94 Providing and fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete :

9.94.1 300 mm weighing not less than 330 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0569	Chromium plated Brass casement stays (straight peg type) 300 mmweighing not less than 0.33 kg	each	10.00	135.00	1350.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				1512.57	W
	Add 1 % Water charges on “W”				15.13	
	TOTAL				1527.70	X
	Add GST on “X” (multiplying factor 0.2127)				324.94	
	TOTAL				1852.64	Y
	Add 15% CPOH on “Y”				277.90	
	TOTAL				2130.54	Z
	Add Cess @ 1% on “Z”				21.31	
	Cost of 10 nos				2151.85	
	Cost of 1 no				215.19	
	Say				215.20	

9.94.2 250 mm weighing not less than 280 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0570	Chromium plated Brass casement stays (straight peg type) 250 mmweighing not less than 0.28 kg	each	10.00	118.00	1180.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				1342.57	W
	Add 1 % Water charges on “W”				13.43	
	TOTAL				1356.00	X
	Add GST on “X” (multiplying factor 0.2127)				288.42	
	TOTAL				1644.42	Y
	Add 15% CPOH on “Y”				246.66	
	TOTAL				1891.08	Z
	Add Cess @ 1% on “Z”				18.91	
	Cost of 10 nos				1909.99	
	Cost of 1 no				191.00	
	Say				191.00	

9.94.3 200 mm weighing not less than 240 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0571	Chromium plated Brass casement stays (straight peg type) 200 mmweighing not less than 0.24 kg	each	10.00	101.00	1010.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of material	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				1172.57	W
	Add 1 % Water charges on “W”				11.73	
	TOTAL				1184.30	X
	Add GST on “X” (multiplying factor 0.2127)				251.90	
	TOTAL				1436.20	Y
	Add 15% CPOH on “Y”				215.43	
	TOTAL				1651.63	Z
	Add Cess @ 1% on “Z”				16.52	
	Cost of 10 nos				1668.15	
	Cost of 1 no				166.82	
	Say				166.80	

9.95 Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:

9.95.1 125x75x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	1.00	580.00	580.00	
0585	Chromium plated Brass screws 50 mm	100 Nos	1.00	275.00	275.00	
9977	Carriage of materials	L.S.	3.64	2.27	8.26	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				1055.08	W
	Add 1 % Water charges on “W”				10.55	
	TOTAL				1065.63	X
	Add GST on “X” (multiplying factor 0.2127)				226.66	
	TOTAL				1292.29	Y
	Add 15% CPOH on “Y”				193.84	
	TOTAL				1486.13	Z
	Add Cess @ 1% on “Z”				14.86	
	Cost of 10 nos.				1500.99	
	Cost of 1 no.				150.10	
	Say				150.10	

9.95.2 125x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	1.00	415.00	415.00	
0585	Chromium plated Brass screws 50 mm	100 Nos	1.00	275.00	275.00	
9977	Carriage of materials	L.S.	3.64	2.27	8.26	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				890.08	W
	Add 1 % Water charges on “W”				8.90	
	TOTAL				898.98	X
	Add GST on “X” (multiplying factor 0.2127)				191.21	
	TOTAL				1090.19	Y
	Add 15% CPOH on “Y”				163.53	
	TOTAL				1253.72	Z
	Add Cess @ 1% on “Z”				12.54	
	Cost of 10 nos.				1266.26	
	Cost of 1 no.				126.63	
	Say				126.65	

9.95.3 100x75x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	1.00	410.00	410.00	
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	254.00	203.20	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				811.22	W
	Add 1 % Water charges on “W”				8.11	
	TOTAL				819.33	X
	Add GST on “X” (multiplying factor 0.2127)				174.27	
	TOTAL				993.60	Y
	Add 15% CPOH on “Y”				149.04	
	TOTAL				1142.64	Z
	Add Cess @ 1% on “Z”				11.43	
	Cost of 10 nos.				1154.07	
	Cost of 1 no.				115.41	
	Say				115.40	

9.95.4 100x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	1.00	335.00	335.00	
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	254.00	203.20	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				736.22	W
	Add 1 % Water charges on “W”				7.36	
	TOTAL				743.58	X
	Add GST on “X” (multiplying factor 0.2127)				158.16	
	TOTAL				901.74	Y
	Add 15% CPOH on “Y”				135.26	
	TOTAL				1037.00	Z
	Add Cess @ 1% on “Z”				10.37	
	Cost of 10 nos.				1047.37	
	Cost of 1 no.				104.74	
	Say				104.75	

9.95.5 100x63x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	1.00	280.00	280.00	
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	254.00	203.20	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				681.22	W
	Add 1 % Water charges on “W”				6.81	
	TOTAL				688.03	X
	Add GST on “X” (multiplying factor 0.2127)				146.34	
	TOTAL				834.37	Y
	Add 15% CPOH on “Y”				125.16	
	TOTAL				959.53	Z
	Add Cess @ 1% on “Z”				9.60	
	Cost of 10 nos.				969.13	
	Cost of 1 no.				96.91	
	Say				96.90	

9.95.6 75x63x4 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	1.00	285.00	285.00	
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	228.00	136.80	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				617.75	W
	Add 1 % Water charges on “W”				6.18	
	TOTAL				623.93	X
	Add GST on “X” (multiplying factor 0.2127)				132.71	
	TOTAL				756.64	Y
	Add 15% CPOH on “Y”				113.50	
	TOTAL				870.14	Z
	Add Cess @ 1% on “Z”				8.70	
	Cost of 10 nos.				878.84	
	Cost of 1 no.				87.88	
	Say				87.90	

9.95.7 75x63x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	1.00	240.00	240.00	
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	228.00	136.80	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				572.75	W
	Add 1 % Water charges on “W”				5.73	
	TOTAL				578.48	X
	Add GST on “X” (multiplying factor 0.2127)				123.04	
	TOTAL				701.52	Y
	Add 15% CPOH on “Y”				105.23	
	TOTAL				806.75	Z
	Add Cess @ 1% on “Z”				8.07	
	Cost of 10 nos.				814.82	
	Cost of 1 no.				81.48	
	Say				81.50	

9.95.8 75x45x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	1.00	205.00	205.00	
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	228.00	136.80	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.14	897.00	125.58	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				537.75	W
	Add 1 % Water charges on “W”				5.38	
	TOTAL				543.13	X
	Add GST on “X” (multiplying factor 0.2127)				115.52	
	TOTAL				658.65	Y
	Add 15% CPOH on “Y”				98.80	
	TOTAL				757.45	Z
	Add Cess @ 1% on “Z”				7.57	
	Cost of 10 nos.				765.02	
	Cost of 1 no.				76.50	
	Say				76.50	

9.96 Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :

9.96.1 300x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	10.00	160.00	1600.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of materials	L.S.	5.46	2.27	12.39	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
	TOTAL				2131.69	W
	Add 1 % Water charges on “W”				21.32	
	TOTAL				2153.01	X
	Add GST on “X” (multiplying factor 0.2127)				457.95	
	TOTAL				2610.96	Y
	Add 15% CPOH on “Y”				391.64	
	TOTAL				3002.60	Z
	Add Cess @ 1% on “Z”				30.03	
	Cost of 10 nos				3032.63	
	Cost of 1 no				303.26	
	Say				303.25	

9.96.2 250x16 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0697	Anodised Aluminium sliding door bolt 250x16 mm	each	10.00	130.00	1300.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of materials	L.S.	5.46	2.27	12.39	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
	TOTAL				1831.69	W
	Add 1 % Water charges on “W”				18.32	
	TOTAL				1850.01	X
	Add GST on “X” (multiplying factor 0.2127)				393.50	
	TOTAL				2243.51	Y
	Add 15% CPOH on “Y”				336.53	
	TOTAL				2580.04	Z
	Add Cess @ 1% on “Z”				25.80	
	Cost of 10 nos				2605.84	
	Cost of 1 no				260.58	
	Say				260.60	

9.97 Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :

9.97.1 300x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0698	Anodised Aluminium tower bolt (barrel type)300x10 mm	10 Nos	1.00	610.00	610.00	
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	228.00	182.40	
9977	Carriage of materials	L.S.	4.42	2.27	10.03	
	LABOUR					
0111	Carpenter 1st class	day	0.125	897.00	112.13	
	TOTAL				914.56	W
	Add 1 % Water charges on “W”				9.15	
	TOTAL				923.71	X
	Add GST on “X” (multiplying factor 0.2127)				196.47	
	TOTAL				1120.18	Y
	Add 15% CPOH on “Y”				168.03	
	TOTAL				1288.21	Z
	Add Cess @ 1% on “Z”				12.88	
	Cost of 10 nos				1301.09	
	Cost of 1 no				130.11	
	Say				130.10	

9.97.2 250x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0699	Anodised Aluminium tower bolt (barrel type)250x10 mm	10 Nos	1.00	505.00	505.00	
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	228.00	182.40	
9977	Carriage of materials	L.S.	4.42	2.27	10.03	
	LABOUR					
0111	Carpenter 1st class	day	0.125	897.00	112.13	
	TOTAL				809.56	W
	Add 1 % Water charges on “W”				8.10	
	TOTAL				817.66	X
	Add GST on “X” (multiplying factor 0.2127)				173.92	
	TOTAL				991.58	Y
	Add 15% CPOH on “Y”				148.74	
	TOTAL				1140.32	Z
	Add Cess @ 1% on “Z”				11.40	
	Cost of 10 nos				1151.72	
	Cost of 1 no				115.17	
	Say				115.15	

9.97.3 200x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	1.00	400.00	400.00	
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	228.00	182.40	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.125	897.00	112.13	
	TOTAL				700.73	W
	Add 1 % Water charges on “W”				7.01	
	TOTAL				707.74	X
	Add GST on “X” (multiplying factor 0.2127)				150.54	
	TOTAL				858.28	Y
	Add 15% CPOH on “Y”				128.74	
	TOTAL				987.02	Z
	Add Cess @ 1% on “Z”				9.87	
	Cost of 10 nos				996.89	
	Cost of 1 no				99.69	
	Say				99.70	

9.97.4 150x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0701	Anodised Aluminium tower bolt (barrel type)150x10 mm	10 Nos	1.00	320.00	320.00	
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	228.00	182.40	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.08	897.00	71.76	
	TOTAL				580.36	W
	Add 1 % Water charges on “W”				5.80	
	TOTAL				586.16	X
	Add GST on “X” (multiplying factor 0.2127)				124.68	
	TOTAL				710.84	Y
	Add 15% CPOH on “Y”				106.63	
	TOTAL				817.47	Z
	Add Cess @ 1% on “Z”				8.17	
	Cost of 10 nos				825.64	
	Cost of 1 no				82.56	
	Say				82.55	

9.97.5 100x10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0702	Anodised Aluminium tower bolt (barrel type)100x10 mm	10 Nos	1.00	240.00	240.00	
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	228.00	136.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.08	897.00	71.76	
	TOTAL				454.76	W
	Add 1 % Water charges on “W”				4.55	
	TOTAL				459.31	X
	Add GST on “X” (multiplying factor 0.2127)				97.70	
	TOTAL				557.01	Y
	Add 15% CPOH on “Y”				83.55	
	TOTAL				640.56	Z
	Add Cess @ 1% on “Z”				6.41	
	Cost of 10 nos				646.97	
	Cost of 1 no				64.70	
	Say				64.70	

9.98 Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 pull bolt lock					
	MATERIAL					
2464	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mmx42 mm with screws,bolts,nuts and washers complete	each	10.00	49.00	490.00	
9977	Carriage of materials	L.S.	6.37	2.27	14.46	
	LABOUR					
0112	Carpenter 2nd class	day	0.25	816.00	204.00	
	TOTAL				708.46	W
	Add 1 % Water charges on “W”				7.08	
	TOTAL				715.54	X
	Add GST on “X” (multiplying factor 0.2127)				152.20	
	TOTAL				867.74	Y
	Add 15% CPOH on “Y”				130.16	
	TOTAL				997.90	Z
	Add Cess @ 1% on “Z”				9.98	
	Cost of 10 nos				1007.88	
	Cost of 1 no				100.79	
	Say				100.80	

9.99 Providing and fixing 50 cm long aluminium kicking plate of size 100x3.15 mm, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0706	Anodised Aluminium kicking plate 50 cm long100x3.15 mm	each	10.00	150.00	1500.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of materials	L.S.	5.46	2.27	12.39	
	LABOUR					
0111	Carpenter 1st class	day	0.07	897.00	62.79	
0114	Beldar	day	0.05	736.00	36.80	
	TOTAL				1682.78	W
	Add 1 % Water charges on “W”				16.83	
	TOTAL				1699.61	X
	Add GST on “X” (multiplying factor 0.2127)				361.51	
	TOTAL				2061.12	Y
	Add 15% CPOH on “Y”				309.17	
	TOTAL				2370.29	Z
	Add Cess @ 1% on “Z”				23.70	
	Cost of 10 nos				2393.99	
	Cost of 1 no				239.40	
	Say				239.40	

9.100 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :

9.100.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	1.00	335.00	335.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				465.82	W
	Add 1 % Water charges on “W”				4.66	
	TOTAL				470.48	X
	Add GST on “X” (multiplying factor 0.2127)				100.07	
	TOTAL				570.55	Y
	Add 15% CPOH on “Y”				85.58	
	TOTAL				656.13	Z
	Add Cess @ 1% on “Z”				6.56	
	Cost of 10 nos				662.69	
	Cost of 1 no				66.27	
	Say				66.25	

9.100.2 100 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	1.00	290.00	290.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				418.75	W
	Add 1 % Water charges on “W”				4.19	
	TOTAL				422.94	X
	Add GST on “X” (multiplying factor 0.2127)				89.96	
	TOTAL				512.90	Y
	Add 15% CPOH on “Y”				76.94	
	TOTAL				589.84	Z
	Add Cess @ 1% on “Z”				5.90	
	Cost of 10 nos				595.74	
	Cost of 1 no				59.57	
	Say				59.55	

9.100.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
0705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10 Nos	1.00	245.00	245.00	
0589	Chromium plated Brass screws 20 mm	100 Nos	0.40	152.00	60.80	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				363.75	W
	Add 1 % Water charges on “W”				3.64	
	TOTAL				367.39	X
	Add GST on “X” (multiplying factor 0.2127)				78.14	
	TOTAL				445.53	Y
	Add 15% CPOH on “Y”				66.83	
	TOTAL				512.36	Z
	Add Cess @ 1% on “Z”				5.12	
	Cost of 10 nos				517.48	
	Cost of 1 no				51.75	
	Say				51.75	

9.101 Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.

9.101.1 Single rubber stopper

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2459	Anodised Aluminium hanging type door stopper	each	10.00	21.00	210.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.20	177.00	35.40	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.03	897.00	26.91	
	TOTAL				278.51	W
	Add 1 % Water charges on “W”				2.79	
	TOTAL				281.30	X
	Add GST on “X” (multiplying factor 0.2127)				59.83	
	TOTAL				341.13	Y
	Add 15% CPOH on “Y”				51.17	
	TOTAL				392.30	Z
	Add Cess @ 1% on “Z”				3.92	
	Cost of 10 nos				396.22	
	Cost of 1 no				39.62	
	Say				39.60	

9.101.2 Twin rubber stopper

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	10.00	44.00	440.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.20	177.00	35.40	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.03	897.00	26.91	
	TOTAL				508.51	W
	Add 1 % Water charges on “W”				5.09	
	TOTAL				513.60	X
	Add GST on “X” (multiplying factor 0.2127)				109.24	
	TOTAL				622.84	Y
	Add 15% CPOH on “Y”				93.43	
	TOTAL				716.27	Z
	Add Cess @ 1% on “Z”				7.16	
	Cost of 10 nos				723.43	
	Cost of 1 no				72.34	
	Say				72.35	

9.102 Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2465	Anodised Aluminium Casement stay 250 mm	each	10.00	34.00	340.00	
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	177.00	70.80	
9977	Carriage of materials	L.S.	0.91	2.27	2.07	
	LABOUR					
0111	Carpenter 1st class	day	0.10	897.00	89.70	
	TOTAL				502.57	W
	Add 1 % Water charges on “W”				5.03	
	TOTAL				507.60	X
	Add GST on “X” (multiplying factor 0.2127)				107.97	
	TOTAL				615.57	Y
	Add 15% CPOH on “Y”				92.34	
	TOTAL				707.91	Z
	Add Cess @ 1% on “Z”				7.08	
	Cost of 10 nos				714.99	
	Cost of 1 no				71.50	
	Say				71.50	

9.103 Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 lock					
	MATERIAL					
7001	Brass 100mm mortice latch and lock with6 levers without pair of handles	each	1.00	211.00	211.00	
7003	Pair of Anodised Aluminium lever handles for 100mm mortice latch and lock	each	1.00	237.00	237.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9988	Sundries including carriage of materials	L.S.	4.55	2.27	10.33	
	TOTAL				610.82	W
	Add 1 % Water charges on “W”				6.11	
	TOTAL				616.93	X
	Add GST on “X” (multiplying factor 0.2127)				131.22	
	TOTAL				748.15	Y
	Add 15% CPOH on “Y”				112.22	
	TOTAL				860.37	Z
	Add Cess @ 1% on “Z”				8.60	
	Cost of 1 lock				868.97	
	Say				868.95	

9.104 Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2m long					
	MATERIAL					
7056	Aluminium tee channel (heavy duty) with rollers and stop end	metre	2.00	108.00	216.00	
9999	LABOUR	L.S.	2.73	2.27	6.20	
9999	Sundries	L.S.	1.43	2.27	3.25	
	TOTAL				225.45	W
	Add 1 % Water charges on “W”				2.25	
	TOTAL				227.70	X
	Add GST on “X” (multiplying factor 0.2127)				48.43	
	TOTAL				276.13	Y
	Add 15% CPOH on “Y”				41.42	
	TOTAL				317.55	Z
	Add Cess @ 1% on “Z”				3.18	
	Cost of 2 metre				320.73	
	Cost of 1 metre				160.37	
	Say				160.35	

9.105 Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture’s specification and direction of engineer in charge all complete.

9.105.1 75 mm overall thickness partition with 12.5 mm thick double skin fire rated Glass Reinforced Gypsum (GRG) plaster board conforming to IS: 2095: part 3 (Board with BIS certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.00x3.65m = 21.90 sqm					
	(Partition Panel)					
	MATERIAL					
7366	Glass reinforced Gypsum (GRG) plaster board 12.5 mm thick conforming to IS 2095 (Part 3):1996 2x6.00x3.65=43.80sqm	sqm	43.80	264.00	11563.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	metre	12.00	65.00	780.00	
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m	metre	40.15	76.00	3051.40	
7020	All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 Nos	3.92	63.00	246.96	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	10.00	220.00	
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	24.00	432.00	
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	7.00	134.89	
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	80.00	385.60	
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	95.00	55.48	
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	75.00	591.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20	
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08	
9977	Sundries carriage	L.S.	52.00	2.27	118.04	
9999	Sundries scaffolding Labour for 21.90 sqm.	L.S.	130.00	2.27	295.10	
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	897.00	5893.29	
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	816.00	2323.15	
0131	Painter 0.05x21.90=1.095	day	1.095	816.00	893.52	
0114	Beldar 0.35x21.90=7.665	day	7.665	736.00	5641.44	
	TOTAL				32806.35	W
	Add 1 % Water charges on “W”				328.06	
	TOTAL				33134.41	X
	Add GST on “X” (multiplying factor 0.2127)				7047.69	
	TOTAL				40182.10	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				6027.32	
	TOTAL				46209.42	Z
	Add Cess @ 1% on "Z"				462.09	
	Cost for 21.90 sqm				46671.51	
	Cost for 1 sqm.				2131.12	
	Say				2131.10	

9.105.2 75mm overall thickness partition with 12.5 mm thick double skin tapered edged plain Gypsum plaster board conforming to IS: 2095: (part I): 2011 (Board with BIS certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.00x3.65m = 21.90 sqm					
	(Partition Panel)					
	MATERIAL					
7009	12.5 mm thick tapered edge gypsum plain borad conforming to IS 2095 (Part 1):2011 2x6.00x3.65=43.80sqm	sqm	43.80	154.00	6745.20	
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 50mm floor and ceiling channel 2x6.00 =12m	metre	12.00	65.00	780.00	
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm 48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m	metre	40.15	76.00	3051.40	
7020	All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 Nos	3.92	63.00	246.96	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	10.00	220.00	
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	24.00	432.00	
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	7.00	134.89	
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	80.00	385.60	
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	95.00	55.48	
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	75.00	591.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20	
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08	
9977	Sundries carriage	L.S.	52.00	2.27	118.04	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries scaffolding	L.S.	130.00	2.27	295.10	
	Labour for 21.90 sqm.					
0111	Carpenter 1st class	day	6.57	897.00	5893.29	
	0.3x21.90=6.57					
0112	Carpenter 2nd class	day	2.847	816.00	2323.15	
	0.13x21.90=2.847					
0131	Painter	day	1.095	816.00	893.52	
	0.05x21.90=1.095					
0114	Beldar	day	7.665	736.00	5641.44	
	0.35x21.90=7.665					
	TOTAL				27988.35	W
	Add 1 % Water charges on “W”				279.88	
	TOTAL				28268.23	X
	Add GST on “X” (multiplying factor 0.2127)				6012.65	
	TOTAL				34280.88	Y
	Add 15% CPOH on “Y”				5142.13	
	TOTAL				39423.01	Z
	Add Cess @ 1% on “Z”				394.23	
	Cost for 21.90 sqm				39817.24	
	Cost for 1 sqm.				1818.14	
	Say				1818.15	

9.105.3 66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.00x3.65 = 21.9 sqm					
	(Partition Panel)					
	MATERIAL					
8699	8 mm thick tapered edge calcium silicate board .	sqm	43.80	297.00	13008.60	
	2x6.00x3.65=43.80sqm					
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	12.00	65.00	780.00	
	50mm floor and ceiling channel 2x6.00 =12m					
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm	metre	40.15	76.00	3051.40	
	48mm stud-72x34x36x0.5mm					
	(6.00/0.61)+1 = 11x3.65 = 40.15m					
7020	All drive screws (for gypsum board)	100 Nos	3.92	63.00	246.96	
	[(3.65/0.30)+1]x11x2 = 308					
	[(6.00/0.30)+1]x2x2=84					
	Total = 392					
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	22.00	10.00	220.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	[(6.00/0.61)+1]x2=22					
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	24.00	432.00	
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	7.00	134.89	
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	80.00	385.60	
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	95.00	55.48	
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	75.00	591.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots 11x2x2=44	10 Nos	4.40	38.00	167.20	
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08	
9977	Sundries carriage	L.S.	52.00	2.27	118.04	
9999	Sundries scaffolding Labour for 21.90 sqm.	L.S.	130.00	2.27	295.10	
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	897.00	5893.29	
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	816.00	2323.15	
0131	Painter 0.05x21.90=1.095	day	1.095	816.00	893.52	
0114	Beldar 0.35x21.90=7.665	day	7.665	736.00	5641.44	
	TOTAL				34251.75	W
	Add 1 % Water charges on “W”				342.52	
	TOTAL				34594.27	X
	Add GST on “X” (multiplying factor 0.2127)				7358.20	
	TOTAL				41952.47	Y
	Add 15% CPOH on “Y”				6292.87	
	TOTAL				48245.34	Z
	Add Cess @ 1% on “Z”				482.45	
	Cost for 21.90 sqm				48727.79	
	Cost for 1 sqm.				2225.01	
	Say				2225.00	

9.105.4 66mm overall thickness partition using 8mm thick, double skin multipurpose cement board Type-B, Category-III as per IS: 14862 : 2000 reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) with suitable fibre cement screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.00x3.65 = 21.9 sqm					
	(Partition Panel)					
	MATERIAL					
0237	Multi purpose fibre (high impact poly propelene reinforced) cement board 8mm thick, Type-B, Category-III as per IS: 14862 : 2000	sqm	43.80	240.00	10512.00	
	2x6.00x3.65=43.80sqm					
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	12.00	65.00	780.00	
	50mm floor and ceiling channel 2x6.00 =12m					
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm	metre	40.15	76.00	3051.40	
	48mm stud-72x34x36x0.5mm					
	(6.00/0.61)+1 = 11x3.65 = 40.15m					
7020	All drive screws (for gypsum board)	100 Nos	3.92	63.00	246.96	
	[(3.65/0.30)+1]x11x2 = 308					
	[(6.00/0.30)+1]x2x2=84					
	Total = 392					
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	22.00	10.00	220.00	
	[(6.00/0.61)+1]x2=22					
7048	Rawl plug 50 mm (designation 10 no.)	each	18.00	24.00	432.00	
	[(3.65/0.45)+1]x2= 18					
0869	Plaster of Paris	kilogram	19.27	7.00	134.89	
	(88/100)x21.9 = 19.27					
0763	Glue	kilogram	4.82	80.00	385.60	
	(22/100)x21.90=4.82					
7018	Joint tape roll	roll	0.584	95.00	55.48	
	(120m roll) (300/100)x21.90/120 = 0.584 Nos					
7021	Primer (for gypsum board)	litre	7.88	75.00	591.00	
	(36/100)x21.90 = 7.88 litre					
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	4.40	38.00	167.20	
	11x2x2=44					
1211	G.I. plain washer for seam bolts	100 Nos	0.44	32.00	14.08	
9977	Sundries carriage	L.S.	52.00	2.27	118.04	
9999	Sundries scaffolding	L.S.	130.00	2.27	295.10	
	Labour for 21.90 sqm.					
0111	Carpenter 1st class	day	6.57	897.00	5893.29	
	0.3x21.90=6.57					
0112	Carpenter 2nd class	day	2.847	816.00	2323.15	
	0.13x21.90=2.847					
0131	Painter	day	1.095	816.00	893.52	
	0.05x21.90=1.095					
0114	Beldar	day	7.665	736.00	5641.44	
	0.35x21.90=7.665					
	TOTAL				31755.15	W
	Add 1 % Water charges on “W”				317.55	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				32072.70	X
	Add GST on “X” (multiplying factor 0.2127)				6821.86	
	TOTAL				38894.56	Y
	Add 15% CPOH on “Y”				5834.18	
	TOTAL				44728.74	Z
	Add Cess @ 1% on “Z”				447.29	
	Cost for 21.90 sqm				45176.03	
	Cost for 1 sqm.				2062.83	
	Say				2062.85	

9.105.5 66 mm overall thickness partition using 8 mm thick double skin multipurpose cement bonded wood particle board manufactured as per IS: 14276 with suitable cement bonded board screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 21.90 sqm					
	MATERIAL:					
0243	Multipurpose cement bonded wood particle board 8 mm thick	sqm	43.80	230.00	10074.00	
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 2x6.00 =12m	metre	12.00	65.00	780.00	
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm (6.00/0.61)+1 = 11x3.65 = 40.15m	metre	40.15	76.00	3051.40	
7020	All drive screws (for gypsum board) [(3.65/0.30)+1]x11x2 = 308 [(6.00/0.30)+1]x2x2=84 Total = 392	100 nos	3.92	63.00	246.96	
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt [(6.00/0.61)+1]x2=22	each	22.00	10.00	220.00	
7048	Rawl plug 50 mm (designation 10 nos) [(3.65/0.45)+1]x2= 18	each	18.00	24.00	432.00	
0869	Plaster of Paris (88/100)x21.9 = 19.27	kg	19.27	7.00	134.89	
0763	Glue (22/100)x21.90=4.82	kg	4.82	80.00	385.60	
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 No	roll	0.584	95.00	55.48	
7021	Primer (for gypsum board (36/100x21.90 = 7.88 litre	litre	7.88	75.00	591.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots 11x2x2=44 nos=4.40 tens	10 Nos	4.40	38.00	167.20	
1211	G.I. plain washer for seam bolts =0 .44 hundreds	100 Nos	0.44	32.00	14.08	
9999	Sundries carriage	L.S	52.00	2.27	118.04	
9999	Sundries scaffolding	L.S	130.00	2.27	295.10	
	Labour for 21.90 sqm.					
0111	Carpenter 1 st class 0.3x21.90	day	6.57	897.00	5893.29	
0112	Carpenter 2nd class 0.13x21.90	day	2.847	816.00	2323.15	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0131	Painter	day	1.095	816.00	893.52	
	0.05x21.90					
0114	Beldar	day	7.665	736.00	5641.44	
	0.35x21.90					
	TOTAL				31317.15	W
	Add 1 % Water charges on “W”				313.17	
	TOTAL				31630.32	X
	Add GST on “X” (multiplying factor 0.2127)				6727.77	
	TOTAL				38358.09	Y
	Add 15% CPOH on “Y”				5753.71	
	TOTAL				44111.80	Z
	Add Cess @ 1% on “Z”				441.12	
	Cost of 21.90 sqm				44552.92	
	Cost of 1 sqm				2034.38	
	Say				2034.40	

9.106 Providing and fixing PTMT handles with necessary screws etc. complete.

9.106.1 125x34x24 mm weighing not less than 23 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten Nos.					
	MATERIAL					
7512	PTMT handle 125x34x24mm	each	10.00	23.00	230.00	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.40	42.00	16.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.06	816.00	48.96	
	TOTAL				301.96	W
	Add 1 % Water charges on “W”				3.02	
	TOTAL				304.98	X
	Add GST on “X” (multiplying factor 0.2127)				64.87	
	TOTAL				369.85	Y
	Add 15% CPOH on “Y”				55.48	
	TOTAL				425.33	Z
	Add Cess @ 1% on “Z”				4.25	
	Cost of 10 Nos				429.58	
	Cost of 1 No				42.96	
	Say				42.95	

9.106.2 150x34x24 mm weighing not less than 26 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten Nos.					
	MATERIAL					
7513	PTMT handle 150x34x24mm	each	10.00	22.00	220.00	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.40	42.00	16.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.06	816.00	48.96	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				291.96	W
	Add 1 % Water charges on “W”				2.92	
	TOTAL				294.88	X
	Add GST on “X” (multiplying factor 0.2127)				62.72	
	TOTAL				357.60	Y
	Add 15% CPOH on “Y”				53.64	
	TOTAL				411.24	Z
	Add Cess @ 1% on “Z”				4.11	
	Cost of 10 Nos				415.35	
	Cost of 1 No				41.54	
	Say				41.55	

9.107 Providing and fixing PTMT Butt hinges with necessary screws etc. complete.

9.107.1 75x60x10 mm fitted with 5.5 mm dia M.S. Bright Bar Rod weighing not less than 34 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten Nos.					
	MATERIAL					
7514	PTMT butt hinges 75x60x10mm	each	10.00	32.00	320.00	
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	48.00	28.80	
9977	Carriage of materials	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				533.41	W
	Add 1 % Water charges on “W”				5.33	
	TOTAL				538.74	X
	Add GST on “X” (multiplying factor 0.2127)				114.59	
	TOTAL				653.33	Y
	Add 15% CPOH on “Y”				98.00	
	TOTAL				751.33	Z
	Add Cess @ 1% on “Z”				7.51	
	Cost of 10 Nos				758.84	
	Cost of 1 No				75.88	
	Say				75.90	

9.107.2 100x75x10 mm fitted with 5.5 mm dia MS Bright Bar Rod weighing not less than 53 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten Nos.					
	MATERIAL					
7515	PTMT butt hinges 100x75x10mm	each	10.00	39.00	390.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	62.00	49.60	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.09	736.00	66.24	
	TOTAL				626.28	W
	Add 1 % Water charges on “W”				6.26	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				632.54	X
	Add GST on “X” (multiplying factor 0.2127)				134.54	
	TOTAL				767.08	Y
	Add 15% CPOH on “Y”				115.06	
	TOTAL				882.14	Z
	Add Cess @ 1% on “Z”				8.82	
	Cost of 10 Nos				890.96	
	Cost of 1 No				89.10	
	Say				89.10	

9.108 Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc., complete.

9.108.1 152x42x18 mm weighing not less than 60 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten Nos.					
	MATERIAL					
7516	PTMT Tower bolt 152x42x18mm	each	10.00	39.00	390.00	
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	48.00	28.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.08	816.00	65.28	
	TOTAL				490.28	W
	Add 1 % Water charges on “W”				4.90	
	TOTAL				495.18	X
	Add GST on “X” (multiplying factor 0.2127)				105.32	
	TOTAL				600.50	Y
	Add 15% CPOH on “Y”				90.08	
	TOTAL				690.58	Z
	Add Cess @ 1% on “Z”				6.91	
	Cost of 10 Nos				697.49	
	Cost of 1 No				69.75	
	Say				69.75	

9.108.2 202x42x18 mm weighing not less than 78 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten Nos.					
	MATERIAL					
7517	PTMT Tower bolt 202x42x18mm	each	10.00	62.00	620.00	
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.80	48.00	38.40	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.10	816.00	81.60	
	TOTAL				746.20	W
	Add 1 % Water charges on “W”				7.46	
	TOTAL				753.66	X
	Add GST on “X” (multiplying factor 0.2127)				160.30	
	TOTAL				913.96	Y
	Add 15% CPOH on “Y”				137.09	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1051.05	Z
	Add Cess @ 1% on "Z"				10.51	
	Cost of 10 Nos				1061.56	
	Cost of 1 No				106.16	
	Say				106.15	

9.109 Providing and fixing PTMT door catcher of length 72 mm and dia. of 42 mm with suitable washers weighing not less than 33 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten Nos.					
	MATERIAL					
7518	PTMT door catcher 72x42mm	each	10.00	24.00	240.00	
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.20	42.00	8.40	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.03	897.00	26.91	
	TOTAL				281.51	W
	Add 1 % Water charges on "W"				2.82	
	TOTAL				284.33	X
	Add GST on "X" (multiplying factor 0.2127)				60.48	
	TOTAL				344.81	Y
	Add 15% CPOH on "Y"				51.72	
	TOTAL				396.53	Z
	Add Cess @ 1% on "Z"				3.97	
	Cost of 10 Nos				400.50	
	Cost of 1 No				40.05	
	Say				40.05	

9.110 Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hollock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a bamboo jaffery of size 1.00m x 2.10m = 2.10 sqm					
	MATERIAL					
	Bamboo 25mm of 100/ 2.50 = 40 nos					
	Half cut off = 40/2 .=20 nos. x 2.10 = 42.00m					
	Add wastage @ 15% = 6.30 m					
	Total = 48.30m					
	Rate of Bamboo 25 mm dia 2.5 metre long for one score i.e. 20nos is Rs. 192					
	for 48.30m qty 48.30 /(2.5 x 20) = 0.966					
0305	Bamboo 25 mm dia 2.5 metre long	score	0.966	420.00	405.72	
9977	Carriage of Bamboo	L.S.	4.83	2.27	10.96	
2466	Hollock wood in scantling	10 cudm	0.394	366.00	144.20	
	3 nos. (1.00 x 0.05 x 0.05) = 0.00375 cum					
	Add wastage @ 5% = 0.00019 cum					
	Total = 0.00394 cum or 3.94 cudm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2204	Carriage of Timber	cum	0.004	0.00	0.00	
9999	Nails and wire	L.S.	20.25	2.27	45.97	
	LABOUR					
0112	Carpenter 2nd class	day	0.25	816.00	204.00	
0114	Beldar	day	0.25	736.00	184.00	
9999	Sundries	L.S.	10.05	2.27	22.81	
	TOTAL				1017.66	W
	Add 1 % Water charges on “W”				10.18	
	TOTAL				1027.84	X
	Add GST on “X” (multiplying factor 0.2127)				218.62	
	TOTAL				1246.46	Y
	Add 15% CPOH on “Y”				186.97	
	TOTAL				1433.43	Z
	Add Cess @ 1% on “Z”				14.33	
	Cost for 2.10 sqm				1447.76	
	Cost for 1 sqm				689.41	
	Say				689.40	

9.111 Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood.

9.111.1 50x50 mm (base and height)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for beading = 5.00 m					
	MATERIAL					
	Teak wood 2nd class in planks 500 x 5 x 5 mm / 2 = 0.000625 cum + Add wastage @ 10% = 0.00063. Total = 0.00688 cum say 6.88 cudm					
1190	Second class teak wood in planks	10 cudm	0.688	791.00	544.21	
2204	Carriage of Timber	cum	0.007	0.00	0.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.06	62.00	3.72	
	Priming coat					
	Area 5.0 x (.05 +.05) = 0.50 sqm					
13.85.1	Rate as per item no 13.85.1 of SH : Finishing	sqm	0.50	70.35	35.18	A
	LABOUR					
	For plaining, fixing & making design					
0111	Carpenter 1st class	day	0.75	897.00	672.75	
	TOTAL				1255.86	W
	Add 1 % Water charges on “W-A”				12.21	
	TOTAL				1268.07	X
	Add GST on “X-A” (multiplying factor 0.2127)				262.24	
	TOTAL				1530.31	Y
	Add 15% CPOH on “Y-A”				224.27	
	TOTAL				1754.58	Z
	Add Cess @ 1% on “Z-A”				17.19	
	Cost for 5 metre				1771.77	
	Cost for 1 metre				354.35	
	Say				354.35	

9.112 Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00 m					
	MATERIAL					
8719	2nd class teak wood lipping/ moulded beadibg or Taj beading of size 18X5mm	metre	10.00	33.00	330.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.25	816.00	204.00	
0114	Beldar	day	0.25	736.00	184.00	
	TOTAL				718.00	W
	Add 1 % Water charges on “W”				7.18	
	TOTAL				725.18	X
	Add GST on “X” (multiplying factor 0.2127)				154.25	
	TOTAL				879.43	Y
	Add 15% CPOH on “Y”				131.91	
	TOTAL				1011.34	Z
	Add Cess @ 1% on “Z”				10.11	
	Cost for 10 metre				1021.45	
	Cost for 1 metre				102.15	
	Say				102.15	

9.113 Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 no.					
8716	100 mm mostice lock with 6 levers for aluminium door.	each	1.00	475.00	475.00	
	LABOUR					
0111	Carpenter 1st class	day	0.13	897.00	116.61	
9999	Sundries(screws, carriage etc)	L.S.	2.60	2.27	5.90	
	TOTAL				597.51	W
	Add 1 % Water charges on “W”				5.98	
	TOTAL				603.49	X
	Add GST on “X” (multiplying factor 0.2127)				128.36	
	TOTAL				731.85	Y
	Add 15% CPOH on “Y”				109.78	
	TOTAL				841.63	Z
	Add Cess @ 1% on “Z”				8.42	
	Cost for 1 no				850.05	
	Say				850.05	

9.114 Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.

9.114.1 Triple strip vertical type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 no.					
	MATERIAL					
8714	Magenatic catcher triple strip verticle type.	each	1.00	31.00	31.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries including screws and fixing charges.	L.S.	2.60	2.27	5.90	
	TOTAL				36.90	W
	Add 1 % Water charges on “W”				0.37	
	TOTAL				37.27	X
	Add GST on “X” (multiplying factor 0.2127)				7.93	
	TOTAL				45.20	Y
	Add 15% CPOH on “Y”				6.78	
	TOTAL				51.98	Z
	Add Cess @ 1% on “Z”				0.52	
	Cost for 1 No.				52.50	
	Say				52.50	

9.114.2 Double strip (horizontal type)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 no.					
	MATERIAL					
8715	Magenatic catcher double strip horizontal type.	each	1.00	22.00	22.00	
9999	Sundries including screws and fixing charges.	L.S.	2.60	2.27	5.90	
	TOTAL				27.90	W
	Add 1 % Water charges on “W”				0.28	
	TOTAL				28.18	X
	Add GST on “X” (multiplying factor 0.2127)				5.99	
	TOTAL				34.17	Y
	Add 15% CPOH on “Y”				5.13	
	TOTAL				39.30	Z
	Add Cess @ 1% on “Z”				0.39	
	Cost for 1 No.				39.69	
	Say				39.70	

9.115 Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sets.					
	MATERIAL					
8703	Telescopic drawer channels 300mm long .	set	10.00	264.00	2640.00	
9977	CARRIAGE	L.S.	19.50	2.27	44.27	
9999	Sundries including screws and fixing charges.	L.S.	100.10	2.27	227.23	
	TOTAL				2911.50	W
	Add 1 % Water charges on “W”				29.12	
	TOTAL				2940.62	X
	Add GST on “X” (multiplying factor 0.2127)				625.47	
	TOTAL				3566.09	Y
	Add 15% CPOH on “Y”				534.91	
	TOTAL				4101.00	Z
	Add Cess @ 1% on “Z”				41.01	
	Cost for 10 sets				4142.01	
	Cost for 1 set				414.20	
	Say				414.20	

9.116 Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 No.					
	MATERIAL					
8704	Stainless steel roller for sliding arrangment in racks/ cupboards/ cabinets shutter .	each	1.00	12.00	12.00	
9999	Labour for fixing	L.S.	1.04	2.27	2.36	
	TOTAL				14.36	W
	Add 1 % Water charges on “W”				0.14	
	TOTAL				14.50	X
	Add GST on “X” (multiplying factor 0.2127)				3.08	
	TOTAL				17.58	Y
	Add 15% CPOH on “Y”				2.64	
	TOTAL				20.22	Z
	Add Cess @ 1% on “Z”				0.20	
	Cost for 1 No.				20.42	
	Say				20.40	

9.117 Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ±1mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer’s specification and direction of Engineer- in-charge

9.117.1 Extruded section profile size 48x40 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 5 metre					
	MATERIAL					
8010	48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	5.00	140.00	700.00	
	LABOUR					
0156	Carpenter (average)	day	0.15	857.00	128.55	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	4.68	2.27	10.62	
	TOTAL				949.57	W
	Add 1 % Water charges on “W”				9.50	
	TOTAL				959.07	X
	Add GST on “X” (multiplying factor 0.2127)				203.99	
	TOTAL				1163.06	Y
	Add 15% CPOH on “Y”				174.46	
	TOTAL				1337.52	Z
	Add Cess @ 1% on “Z”				13.38	
	Cost of 5 metre				1350.90	
	Cost for 1 metre				270.18	
	Say				270.20	

9.117.2 Extruded section profile size 42x50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 5 metre					
	MATERIAL					
8705	50mmX42mmX2mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	5.00	183.00	915.00	
	LABOUR					
0156	Carpenter (average)	day	0.15	857.00	128.55	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	4.68	2.27	10.62	
	TOTAL				1164.57	W
	Add 1 % Water charges on “W”				11.65	
	TOTAL				1176.22	X
	Add GST on “X” (multiplying factor 0.2127)				250.18	
	TOTAL				1426.40	Y
	Add 15% CPOH on “Y”				213.96	
	TOTAL				1640.36	Z
	Add Cess @ 1% on “Z”				16.40	
	Cost of 5 metre				1656.76	
	Cost for 1 metre				331.35	
	Say				331.35	

9.118 Providing and fixing to existing door frames.

9.118.1 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of ‘H’ section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. ‘U’ cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer’s specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8001	24 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2.38	1800.00	4284.00	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				4967.42	W
	Add 1 % Water charges on “W”				49.67	
	TOTAL				5017.09	X
	Add GST on “X” (multiplying factor 0.2127)				1067.14	
	TOTAL				6084.23	Y
	Add 15% CPOH on “Y”				912.63	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				6996.86	Z
	Add Cess @ 1% on “Z”				69.97	
	Cost of 2.38 sqm				7066.83	
	Cost of 1 sqm				2969.26	
	Say				2969.25	

9.118.2 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of ‘H’ section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. ‘U’ cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer’s specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8002	30 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2.38	2000.00	4760.00	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				5443.42	W
	Add 1 % Water charges on “W”				54.43	
	TOTAL				5497.85	X
	Add GST on “X” (multiplying factor 0.2127)				1169.39	
	TOTAL				6667.24	Y
	Add 15% CPOH on “Y”				1000.09	
	TOTAL				7667.33	Z
	Add Cess @ 1% on “Z”				76.67	
	Cost of 2.38 sqm				7744.00	
	Cost of 1 sqm				3253.78	
	Say				3253.80	

9.118.3 25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter arecovered with an end-cap of the size 25 mm X 11 mm.

Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8706	25mm thick factory made PVC flash foor shutter i/c carriage.	sqm	2.38	1870.00	4450.60	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				5134.02	W
	Add 1 % Water charges on "W"				51.34	
	TOTAL				5185.36	X
	Add GST on "X" (multiplying factor 0.2127)				1102.93	
	TOTAL				6288.29	Y
	Add 15% CPOH on "Y"				943.24	
	TOTAL				7231.53	Z
	Add Cess @ 1% on "Z"				72.32	
	Cost of 2.38 sqm				7303.85	
	Cost of 1 sqm				3068.84	
	Say				3068.85	

9.119 Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door frame of 5 metre					
	MATERIAL					
8011	Factory made 50mmx47mm with a wall thickness of 5mm door frame PVC extruded sheet i/c carriage	metre	5.00	295.00	1475.00	
	LABOUR					
0156	Carpenter (average)	day	0.15	857.00	128.55	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	7.80	2.27	17.71	
	TOTAL				1731.66	W
	Add 1 % Water charges on "W"				17.32	
	TOTAL				1748.98	X
	Add GST on "X" (multiplying factor 0.2127)				372.01	
	TOTAL				2120.99	Y
	Add 15% CPOH on "Y"				318.15	
	TOTAL				2439.14	Z
	Add Cess @ 1% on "Z"				24.39	
	Cost of 5 metres				2463.53	
	Cost of 1 metre				492.71	
	Say				492.70	

9.120 Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.

9.120.1 30 mm thick plain PVC door shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8003	30 mm thick Factory made PVC rigid foam panelled shutter as per IS:4020 (Plain) i/c carriage	sqm	2.38	1912.00	4550.56	
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	145.00	58.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				5324.94	W
	Add 1 % Water charges on "W"				53.25	
	TOTAL				5378.19	X
	Add GST on "X" (multiplying factor 0.2127)				1143.94	
	TOTAL				6522.13	Y
	Add 15% CPOH on "Y"				978.32	
	TOTAL				7500.45	Z
	Add Cess @ 1% on "Z"				75.00	
	Cost of 2.38 sqm				7575.45	
	Cost of 1 sqm				3182.96	
	Say				3182.95	

9.120.2 30 mm thick pre laminated PVC door shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8004	30 mm thick Factory made PVC rigid foam panelled shutter as per IS : 4020(Both side laminated) i/c carriage	sqm	2.38	2250.00	5355.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8100	Powder coated M.S. butt hinges 100mm X58m-mX1.9mm	10 Nos	0.40	145.00	58.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				6129.38	W
	Add 1 % Water charges on “W”				61.29	
	TOTAL				6190.67	X
	Add GST on “X” (multiplying factor 0.2127)				1316.76	
	TOTAL				7507.43	Y
	Add 15% CPOH on “Y”				1126.11	
	TOTAL				8633.54	Z
	Add Cess @ 1% on “Z”				86.34	
	Cost of 2.38 sqm				8719.88	
	Cost of 1 sqm				3663.82	
	Say				3663.80	

9.121 Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door frame of 5 metre					
	MATERIAL					
8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage.	metre	5.00	350.00	1750.00	
	LABOUR					
0156	Carpenter (average)	day	0.15	857.00	128.55	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	7.80	2.27	17.71	
	TOTAL				2006.66	W
	Add 1 % Water charges on “W”				20.07	
	TOTAL				2026.73	X
	Add GST on “X” (multiplying factor 0.2127)				431.09	
	TOTAL				2457.82	Y
	Add 15% CPOH on “Y”				368.67	
	TOTAL				2826.49	Z
	Add Cess @ 1% on “Z”				28.26	
	Cost of 5 metres				2854.75	
	Cost of 1 metre				570.95	
	Say				570.95	

9.122 Providing and fixing to existing door frames.

9.122.1 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8708	30 mm thick factory madeglass fiber reinforced plastic panel door shutter i/c carriage.	sqm	2.38	2290.00	5450.20	
8100	Powder coated M.S. butt hinges 100mm X58m-mX1.9mm	10 Nos	0.40	145.00	58.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				6224.58	W
	Add 1 % Water charges on “W”				62.25	
	TOTAL				6286.83	X
	Add GST on “X” (multiplying factor 0.2127)				1337.21	
	TOTAL				7624.04	Y
	Add 15% CPOH on “Y”				1143.61	
	TOTAL				8767.65	Z
	Add Cess @ 1% on “Z”				87.68	
	Cost of 2.38 sqm				8855.33	
	Cost of 1 sqm				3720.73	
	Say				3720.75	

9.122.2 30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF)/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage.	sqm	2.38	2830.00	6735.40	
8100	Powder coated M.S. butt hinges 100mm X58m-mX1.9mm	10 Nos	0.40	145.00	58.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				7509.78	W
	Add 1 % Water charges on “W”				75.10	
	TOTAL				7584.88	X
	Add GST on “X” (multiplying factor 0.2127)				1613.30	
	TOTAL				9198.18	Y
	Add 15% CPOH on “Y”				1379.73	
	TOTAL				10577.91	Z
	Add Cess @ 1% on “Z”				105.78	
	Cost of 2.38 sqm				10683.69	
	Cost of 1 sqm				4488.95	
	Say				4488.95	

9.123 **Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame’s vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.**

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for Door Frame of size 0.80m x 2.1m = 5.00 metre					
	MATERIAL					
8710	factory made Door frame of solid foam PVC profile of size 60mm x 30mm (Finished in approved design colour and shade with necessary holes for fixing fasteners)	metre	5.00	325.00	1625.00	
8234	SS 304 grade 8 mm dia CSK Phillips stainless steel self tapping screws / fasteners with PA6 grade polyamide sleeves	each	6.00	25.00	150.00	
	Labour for fixing within jambs including marking, drilling holes cleaning dust from holes and fixing with fasteners.					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Belder	day	0.40	736.00	294.40	
9999	Sundries including carriage, T & P (drill machine) etc.	L.S.	15.00	2.27	34.05	
	TOTAL				2446.25	w
	Add 1 % Water charges on “W”				24.46	
	TOTAL				2470.71	x
	Add GST on “X” (multiplying factor 0.2127)				525.52	
	TOTAL				2996.23	y
	Add 15% CPOH on “Y”				449.43	
	TOTAL				3445.66	z
	Add Labour cess @ 1%				34.46	
	Cost of 5 metre				3480.12	
	Cost of 1 metre Door Frame				696.02	
	say				696.00	

9.123A **Providing PVC moulding / architrave for door frame made up of extruded solid foam PVC profile having homogenous fine cellular structure with smooth outer integral skin, minimum 30 mm width and minimum 12 mm thick suitable for fixing to frame. The molding shall be snap fitted in the groove provided in the frame & fixed with PVC solvent adhesive / cement and self tapping screws (of required size) complete as per direction of Engineer-in-Charge.**

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for moulding/architrave (around door frame) 0.80 m x 2.1 m = 5 metre					
	MATERIAL					
8235	Factory made foam PVC moulded/extruded profile architrave of size 30 mm x 12mm	metre	5.00	75.00	375.00	
	Sundries for PVC solvent adhesive and self tapping screws					
9999	Sundries	L.S.	10.00	2.27	22.70	
	labour for fixing					
0156	Carpenter (average)	Day	0.05	857.00	42.85	
0114	Belder	Day	0.05	736.00	36.80	
	TOTAL				477.35	w
	Add 1 % Water charges on “W”				4.77	
	TOTAL				482.12	x
	Add GST on “X” (multiplying factor 0.2127)				102.55	
	TOTAL				584.67	y
	Add 15% CPOH on “Y”				87.70	
	TOTAL				672.37	z
	Add Labour cess @ 1%				6.72	
	Cost of 5 metre				679.09	
	Cost of 1 metre Door Frame				135.82	
	say				135.80	

9.124 **Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thikness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer’s specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. ‘C’ section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer’s specifications Mitred cut joints for styles and rails provided with telescopic polymeric ‘L’ corners are jointed together using solvent adhesive and strenghtened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates)**

9.124.1 **5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer’s specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.**

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for one door shutter 2.07x0.76m Door shutter= 1.57 sqm					
	MATERIAL					

Code	Description	Unit	Qty	Rate	Amount	
8712	Solid PVC foam door shutter with style and rails of minimum 70mm x 28mm and 5mm thick solid foam PVC panel insert of approved colour and shade (as per standard specification of manu-facturer) Non decorative type	sqm	1.57	1880.00	2951.60	
8216	SS hinges of size 100x58x1.9mm	10nos	0.30	350.00	105.00	
8212	5mm dia 30mm long SS screws	100nos	0.18	255.00	45.90	
8231	SS sliding door bolt of size 200x10mm	each	1.00	125.00	125.00	
8232	SS tower bolt (plate type) size 200x10mm	each	1.00	93.00	93.00	
8233	SS handle 125mm	each	2.00	70.00	140.00	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.00	2.27	45.40	
	Total				4143.10	W
	TOTAL				41.43	
	Add 1 % Water charges on “W”				4184.53	X
	TOTAL				890.05	
	Add GST on “X” (multiplying factor 0.2127)				5074.58	Y
	TOTAL				761.19	
	Add 15% CPOH on “Y”				5835.77	Z
	TOTAL				58.36	
	Cost of 1.57 sqm				5894.13	
	Cost for 1 sqm				3754.22	
	Say				3754.20	

9.124.2 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer’s specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Decorative type.

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for one door shutter 2.07x0.76m Door shutter= 1.57 sqm					
	MATERIAL					
8709	Solid PVC foam door shutter with style and rails of minimum 70mm x 28mm and 5mm thick solid foam PVC panel insert of approved colour and shade (as per standard specification of manu-facturer) Decorative type	sqm	1.57	2150.00	3375.50	
8216	SS hinges of size 100x58x1.9mm	10nos	0.30	350.00	105.00	
8212	5mm dia 30mm long SS screws	100nos	0.18	255.00	45.90	
8231	SS sliding door bolt of size 200x10mm	each	1.00	125.00	125.00	
8232	SS tower bolt (plate type) size 200x10mm	each	1.00	93.00	93.00	
8233	SS handle 125mm	each	2.00	70.00	140.00	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.00	2.27	45.40	
	TOTAL				4567.00	W
	Add 1 % Water charges on “W”				45.67	
	TOTAL				4612.67	X

Code	Description	Unit	Qty	Rate	Amount	
	Add GST on “X” (multiplying factor 0.2127)				981.11	
	TOTAL				5593.78	Y
	Add 15% CPOH on “Y”				839.07	
	TOTAL				6432.85	Z
	Add labour cess @ 1%				64.33	
	Cost of 1.57 sqm				6497.18	
	Cost of 1 sqm				4138.33	
	Say				4138.35	

9.124.3 3mm thick high pressure laminate (decorative type) with moulded/ extruded beading of appropriate design shape and size as per manufacturer’s specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for one door shutter 2.07x0.76m Door shutter= 1.57 sqm					
	MATERIAL					
8717	Solid PVC foam door shutter with style and rails of minimum 70mm x 28mm and 3 mm thick high pressure laminate panel insert of approved colour and shade (as per standard specification of manufacturer)	sqm	1.57	2530.00	3972.10	
8216	SS hinges of size 100x58x1.9mm	10nos	0.30	350.00	105.00	
8212	5mm dia 30mm long SS screws	100nos	0.18	255.00	45.90	
8231	SS sliding door bolt of size 200x10mm	each	1.00	125.00	125.00	
8232	SS tower bolt (plate type) size 200x10mm	each	1.00	93.00	93.00	
8233	SS handle 125mm	each	2.00	70.00	140.00	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.00	2.27	45.40	
	TOTAL				5163.60	W
	Add 1 % Water charges on “W”				51.64	
	TOTAL				5215.24	X
	Add GST on “X” (multiplying factor 0.2127)				1109.28	
	TOTAL				6324.52	Y
	Add 15% CPOH on “Y”				948.68	
	TOTAL				7273.20	Z
	Add labour cess @ 1%				72.73	
	Cost of 1.57 sqm				7345.93	
	Cost for 1 sqm				4678.94	
	Say				4678.95	

9.126 Providing and fixing 12 mm thick panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.

9.126.1 Marine plywood conforming to IS: 710

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Plywood 4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm.					
8724	12mm thick marine plywood conforming to IS:710	sqm	0.80	785.00	628.00	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				1153.45	W
	Add 1 % Water charges on “W”				11.53	
	TOTAL				1164.98	X
	Add GST on “X” (multiplying factor 0.2127)				247.79	
	TOTAL				1412.77	Y
	Add 15% CPOH on “Y”				211.92	
	TOTAL				1624.69	Z
	Add Cess @ 1% on “Z”				16.25	
	Cost of 0.66 sqm.				1640.94	
	Cost of 1 sqm.				2486.27	
	Say				2486.25	

9.126.2 Fire retardant plywood conforming to IS: 5509

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for shutters of a door with 2/3rd panelling 200x108cm = 2.16sqm. Panel area = 4x45.1x36.55cm = 0.66sqm.					
	MATERIAL					
	Plywood 4x47.2x38.65cm = 0.73sqm+					
	Add for wastage @ 10% = 0.07sqm.					
	Total = 0.80 sqm.					
8725	12mm thick fire retardant plywood conforming to IS: 5509.	sqm	0.80	954.00	763.20	
9977	Carriage of Plywood	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				1288.65	W
	Add 1 % Water charges on “W”				12.89	
	TOTAL				1301.54	X
	Add GST on “X” (multiplying factor 0.2127)				276.84	
	TOTAL				1578.38	Y
	Add 15% CPOH on “Y”				236.76	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1815.14	Z
	Add Cess @ 1% on “Z”				18.15	
	Cost of 0.66 sqm.				1833.29	
	Cost of 1 sqm.				2777.71	
	Say				2777.70	

9.127 Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.

9.127.1 1.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5.00 sqm					
	MATERIAL					
	Decorative laminate = 5.00 sqm					
	Add wastage @ 10% = 0.50 sqm					
	Total = 5.50 sqm					
8726	1.5mm thick decorative laminated sheet	sqm	5.50	418.00	2299.00	
9999	Adhesive	L.S.	195.00	2.27	442.65	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
9999	Sundries i/c nails etc.	L.S.	52.00	2.27	118.04	
	TOTAL				3676.19	W
	Add 1 % Water charges on “W”				36.76	
	TOTAL				3712.95	X
	Add GST on “X” (multiplying factor 0.2127)				789.74	
	TOTAL				4502.69	Y
	Add 15% CPOH on “Y”				675.40	
	TOTAL				5178.09	Z
	Add Cess @ 1% on “Z”				51.78	
	Cost for 5.00 sqm				5229.87	
	Cost for 1 sqm				1045.97	
	Say				1045.95	

9.127.2 1.0 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5.00 sqm					
	MATERIAL					
	Decorative laminate = 5.00 sqm					
	Add wastage @ 10% = 0.50 sqm					
	Total = 5.50 sqm					
8727	1.0mm thick decorative laminated sheet	sqm	5.50	323.00	1776.50	
9999	Adhesive	L.S.	195.00	2.27	442.65	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
9999	Sundries i/c nails etc.	L.S.	52.00	2.27	118.04	
	TOTAL				3153.69	W
	Add 1 % Water charges on “W”				31.54	
	TOTAL				3185.23	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				677.50	
	TOTAL				3862.73	Y
	Add 15% CPOH on “Y”				579.41	
	TOTAL				4442.14	Z
	Add Cess @ 1% on “Z”				44.42	
	Cost for 5.00 sqm				4486.56	
	Cost for 1 sqm				897.31	
	Say				897.30	

9.128 Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for a chajja 0.90 x 0.60 = 0.54 sqm					
	MATERIAL					
8713	Fiber glass reinforced plastic chajja. including accessories	sqm	0.54	2950.00	1593.00	
9977	Carriage	L.S.	26.00	2.27	59.02	
9999	fixing charges including sundries.	L.S.	143.00	2.27	324.61	
	TOTAL				1976.63	W
	Add 1 % Water charges on “W”				19.77	
	TOTAL				1996.40	X
	Add GST on “X” (multiplying factor 0.2127)				424.63	
	TOTAL				2421.03	Y
	Add 15% CPOH on “Y”				363.15	
	TOTAL				2784.18	Z
	Add Cess @ 1% on “Z”				27.84	
	Cost for 0.54 sqm				2812.02	
	Cost for 1 sqm				5207.44	
	Say				5207.45	

9.129 Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one shutter 2.20x1.00m= 2.20sqm.					
	MATERIAL					
7272	25 mm thick melamine faced prelaminated three layer particle board	sqm	2.20	970.00	2134.00	
9977	CARRIAGE	L.S.	29.64	2.27	67.28	
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	52.00	228.80	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	39.00	48.75	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
0130	Mistry	day	0.07	897.00	62.79	
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	30.00	210.00	
	TOTAL				3568.12	W
	Add 1 % Water charges on “W”				35.68	
	TOTAL				3603.80	X
	Add GST on “X” (multiplying factor 0.2127)				766.53	
	TOTAL				4370.33	Y
	Add 15% CPOH on “Y”				655.55	
	TOTAL				5025.88	Z
	Add Cess @ 1% on “Z”				50.26	
	Cost for 2.20sqm.				5076.14	
	Cost of 1 sqm				2307.34	
	Say				2307.35	

9.130 Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make, including IInd class teak wood lipping of 25 mm wide x 12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge.

9.130.1 With decorative veneering on one side and commercial veneering on other side

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one shutter 2.20x1.00m = 2.20sqm.					
	MATERIAL					
7269	25 mm thick particle board	sqm	2.20	450.00	990.00	
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneered on other side	sqm	2.20	253.00	556.60	
9977	CARRIAGE	L.S.	29.64	2.27	67.28	
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	52.00	228.80	
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	39.00	48.75	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
0130	Mistry	day	0.07	897.00	62.79	
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	30.00	210.00	
	TOTAL				2980.72	W
	Add 1 % Water charges on “W”				29.81	
	TOTAL				3010.53	X
	Add GST on “X” (multiplying factor 0.2127)				640.34	
	TOTAL				3650.87	Y
	Add 15% CPOH on “Y”				547.63	
	TOTAL				4198.50	Z
	Add Cess @ 1% on “Z”				41.99	
	Cost for 2.20sqm.				4240.49	
	Cost of 1 sqm				1927.50	
	Say				1927.50	

9.130.2 With non decorative veneering on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one shutter 2.20x1.00m= 2.20sqm.					
	MATERIAL					
7269	25 mm thick particle board	sqm	2.20	450.00	990.00	
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	2.20	170.00	374.00	
9977	CARRIAGE	L.S.	29.64	2.27	67.28	
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	52.00	228.80	
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	39.00	48.75	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
0130	Mistry	day	0.07	897.00	62.79	
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	30.00	210.00	
	TOTAL				2798.12	W
	Add 1 % Water charges on “W”				27.98	
	TOTAL				2826.10	X
	Add GST on “X” (multiplying factor 0.2127)				601.11	
	TOTAL				3427.21	Y
	Add 15% CPOH on “Y”				514.08	
	TOTAL				3941.29	Z
	Add Cess @ 1% on “Z”				39.41	
	Cost for 2.20sqm.				3980.70	
	Cost of 1 sqm				1809.41	
	Say				1809.40	

9.131 Providing and fixing factory made shutters of Pre-laminated particle board flat pressed three layer or graded wood particle board with one side decorative finish and other side balancing lamination conforming to IS: 12823 Grade I Type II, of approved design, and edges sealed with water resistant paint and lipped with aluminium ‘U’ type edge beading all- round the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws, including fixing of aluminium hinges 100x63x4 mm etc. complete as per architectural drawing and direction of Engineer-in-Charge (Cost of ‘U’ beading and hinges will be paid for separately).

9.131.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.10sqm. (Door size 2.1x1.00 = 2.10sqm.)					
	MATERIAL					
	Prelaminated particle board = 2.10sqm. +					
	Add for wastage @ 5% = 0.11sqm.					
	Total = 2.21sqm.					
7445	25 mm prelaminated flush door both side decorative	sqm	2.21	861.00	1902.81	
7443	Aluminium single cleat of size 30x32x3	each	4.00	15.00	60.00	
7444	Aluminium grip strip of size 50x12x2	each	8.00	12.00	96.00	
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	0.15	178.00	26.70	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9988	Carriage of materials including loading and unloading	L.S.	19.50	2.27	44.27	
9999	Sundries and screws etc.	L.S.	39.00	2.27	88.53	
	LABOUR					
0112	Carpenter 2nd class	day	0.27	816.00	220.32	
0114	Beldar	day	0.30	736.00	220.80	
	TOTAL				2659.43	W
	Add 1 % Water charges on “W”				26.59	
	TOTAL				2686.02	X
	Add GST on “X” (multiplying factor 0.2127)				571.32	
	TOTAL				3257.34	Y
	Add 15% CPOH on “Y”				488.60	
	TOTAL				3745.94	Z
	Add Cess @ 1% on “Z”				37.46	
	Cost for 2.10sqm.				3783.40	
	Cost of 1 sqm				1801.62	
	Say				1801.60	

9.132 Providing and fixing aluminum U beading of required size to Pre-laminated/flush door shutter, including fixing etc. complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1kg.					
	MATERIAL					
	Aluminum U beading = 1.00kg +					
	Add 10% wastage = 0.10					
	Total = 1.10kg.					
7449	Aluminium U beading	kilogram	1.10	220.00	242.00	
9999	Anodized 15 micron	L.S.	65.00	2.27	147.55	
9999	Sundries including screws, fixing, carriage etc.	L.S.	13.00	2.27	29.51	
	TOTAL				419.06	W
	Add 1 % Water charges on “W”				4.19	
	TOTAL				423.25	X
	Add GST on “X” (multiplying factor 0.2127)				90.03	
	TOTAL				513.28	Y
	Add 15% CPOH on “Y”				76.99	
	TOTAL				590.27	Z
	Add Cess @ 1% on “Z”				5.90	
	Cost for 1 kg.				596.17	
	Say				596.15	

9.133 Providing and fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55 mm thick) having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm, placed @ 610 mm C/C in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm C/C with fully threaded self-tapping dry wall screws. Board is fixed to the 'W' profile with 25 mm countersunk ribbed head screws @ 200 mm C/C., all complete as per the drawing & directions of engineer-in-charge, the joints of the boards are finished with specially formulated jointing compound and 48mm wide jointing tape to provide seamless finish.

9.133.1 Tapered edge calcium silicate board made with calcareous & siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with compressive strength 225 kg/ sq.cm, Bending strength 100 kg/sq.cm.

9.133.1.1 10mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3.66 m x 3.05 m = 11.16 sqm.					
	MATERIAL					
	Calcium silicate board 10mm thick = 11.16 sqm+					
	Add wastage @ 10% = 1.12 sqm.					
	Total = 12.28 sqm					
8700	10 mm thick calcium silicate board.	sqm	12.28	462.00	5673.36	
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	42.00	825.72	
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm	metre	9.60	25.00	240.00	
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	3.00	126.00	
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	84.00	147.84	
9999	Jointing compound	L.S.	20.80	2.27	47.22	
7018	Joint tape roll	roll	0.19	95.00	18.05	
9999	Sundries i/c rawl plug, scaffolfing etc.	L.S.	52.00	2.27	118.04	
9977	Carriage of materials	L.S.	26.00	2.27	59.02	
	LABOUR					
0111	Carpenter 1st class	day	3.80	897.00	3408.60	
0114	Beldar	day	4.60	736.00	3385.60	
	TOTAL				14049.45	W
	Add 1 % Water charges on "W"				140.49	
	TOTAL				14189.94	X
	Add GST on "X" (multiplying factor 0.2127)				3018.20	
	TOTAL				17208.14	Y
	Add 15% CPOH on "Y"				2581.22	
	TOTAL				19789.36	Z
	Add Cess @ 1% on "Z"				197.89	
	Cost for 11.16 sqm				19987.25	
	Cost for 1 sqm				1790.97	
	Say				1790.95	

9.133.2 Multipurpose cement board reinforced with suitable fibre cement screw.

9.133.2.1 8 mm thick cement fibre board, Type- B, Category- III as per IS: 14862 : 2000

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3.66 m x 3.05 m = 11.16 sqm.					
	MATERIAL					
	Multipurpose non asbestos fibre cement board 8mm thick.= 11.16 sqm+					
	Add wastage @ 10% = 1.12 sqm.					
	Total = 12.28 sqm					
0237	Multi purpose fibre (high impact poly propelene reinforced) cement board 8mm thick, Type- B, Category- III as per IS: 14862 : 2000	sqm	12.28	240.00	2947.20	
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	42.00	825.72	
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm.	metre	9.60	25.00	240.00	
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	3.00	126.00	
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	84.00	147.84	
9999	Jointing compound	L.S.	20.80	2.27	47.22	
7018	Joint tape roll	roll	0.19	95.00	18.05	
9999	Sundries i/c rawl plug, scaffolfing etc.	L.S.	52.00	2.27	118.04	
9977	Carriage of materials	L.S.	26.00	2.27	59.02	
	LABOUR					
0111	Carpenter 1st class	day	3.80	897.00	3408.60	
0114	Beldar	day	4.60	736.00	3385.60	
	TOTAL				11323.29	W
	Add 1 % Water charges on “W”				113.23	
	TOTAL				11436.52	X
	Add GST on “X” (multiplying factor 0.2127)				2432.55	
	TOTAL				13869.07	Y
	Add 15% CPOH on “Y”				2080.36	
	TOTAL				15949.43	Z
	Add Cess @ 1% on “Z”				159.49	
	Cost for 11.16 sqm				16108.92	
	Cost for 1 sqm				1443.45	
	Say				1443.45	

9.133.2.2 8 mm thick Cement bonded wood particle board as per IS:14276

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3.66 m x 3.05 m =11.16 sqm					
	MATERIAL:					
0243	Multipurpose cement bonded wood particle board 8mm thick	Sqm	12.280	230.00	2824.40	
	Add wastage @ 10% =1.12 sqm.					
	Total = 12.28 sqm					
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm	metre	19.660	42.00	825.72	
8721	Perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm	metre	9.60	25.00	240.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8722	Nylon sleeves & wooden screws (40 mm)	each	42.00	3.00	126.00	
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	84.00	147.84	
9999	Jointing compound	L.S	20.80	2.27	47.22	
7018	Joint tape roll	each roll	0.19	95.00	18.05	
9999	Sundries i/c rawl plug. Scaffolding etc.	L.S	52.00	2.27	118.04	
9999	Carriage of materials	L.S	26.00	2.27	59.02	
	LABOUR:					
0111	Carpenter 1 st class	day	3.80	897.00	3408.60	
0114	Beldar	day	4.60	736.00	3385.60	
	TOTAL				11200.49	W
	Add 1 % Water charges on “W”				112.00	
	TOTAL				11312.49	X
	Add GST on “X” (multiplying factor 0.2127)				2406.17	
	TOTAL				13718.66	Y
	Add 15% CPOH on “Y”				2057.80	
	TOTAL				15776.46	Z
	Add Cess @ 1% on “Z”				157.76	
	Cost of 11.16 sqm				15934.22	
	Cost of 1 sqm				1427.80	
	Say				1427.80	

9.133.3 Plain Gypsum plaster board conforming to IS: 2095 Part -1:2011 (Board with BIS certification marks)

9.133.3.1 12.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3.66 m x 3.05 m =11.16 sqm.					
	MATERIAL					
	Plain gypsum board					
	12.5 mm thick.= 11.16 sqm					
	Add wastage @ 10% = 1.12 sqm.					
	Total = 12.28 sqm					
7009	12.5 mm thick Plain Gypsum plaster board .	sqm	12.28	154.00	1891.12	
8720	Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.	metre	19.66	42.00	825.72	
8721	Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm.	metre	9.60	25.00	240.00	
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	3.00	126.00	
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	84.00	147.84	
9999	Jointing compound	L.S.	20.80	2.27	47.22	
7018	Joint tape roll	roll	0.19	95.00	18.05	
9999	Sundries i/c rawl plug, scaffolfing etc.	L.S.	52.00	2.27	118.04	
9977	Carriage of materials	L.S.	26.00	2.27	59.02	
	LABOUR					
0111	Carpenter 1st class	day	3.80	897.00	3408.60	
0114	Beldar	day	4.60	736.00	3385.60	
	TOTAL				10267.21	W
	Add 1 % Water charges on “W”				102.67	
	TOTAL				10369.88	X
	Add GST on “X” (multiplying factor 0.2127)				2205.67	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				12575.55	Y
	Add 15% CPOH on "Y"				1886.33	
	TOTAL				14461.88	Z
	Add Cess @ 1% on "Z"				144.62	
	Cost for 11.16 sqm				14606.50	
	Cost for 1 sqm				1308.83	
	Say				1308.85	

9.134 Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws :

9.134.1 35 mm thick shutters

9.134.1.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.134.1.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Teak wood (2nd class)					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum. Say 51.4 cudm.					
1190	Second class teak wood in planks	10 cudm	5.14	791.00	4065.74	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				7628.17	W
	Add 1 % Water charges on "W"				76.28	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				7704.45	X
	Add GST on “X” (multiplying factor 0.2127)				1638.74	
	TOTAL				9343.19	Y
	Add 15% CPOH on “Y”				1401.48	
	TOTAL				10744.67	Z
	Add Cess @ 1% on “Z”				107.45	
	Cost of 2.16 sqm.				10852.12	
	Cost of 1 sqm.				5024.13	
	Say				5024.15	

9.134.1.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum. Say 51.4 cudm.					
2505	Hollock wood in planks	10 cudm	5.14	409.00	2102.26	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.051	794.00	40.49	
9999	Chemical treatment	L.S.	8.97	2.27	20.36	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				5725.54	W
	Add 1 % Water charges on “W”				57.26	
	TOTAL				5782.80	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				1230.00	
	TOTAL				7012.80	Y
	Add 15% CPOH on “Y”				1051.92	
	TOTAL				8064.72	Z
	Add Cess @ 1% on “Z”				80.65	
	Cost of 2.16 sqm.				8145.37	
	Cost of 1 sqm.				3771.00	
	Say				3771.00	

9.134.1.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum. Say 51.4 cudm.					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.14	650.00	3341.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6903.43	W
	Add 1 % Water charges on “W”				69.03	
	TOTAL				6972.46	X
	Add GST on “X” (multiplying factor 0.2127)				1483.04	
	TOTAL				8455.50	Y
	Add 15% CPOH on “Y”				1268.33	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				9723.83	Z
	Add Cess @ 1% on “Z”				97.24	
	Cost of 2.16 sqm.				9821.07	
	Cost of 1 sqm.				4546.79	
	Say				4546.80	

9.134.1.2 With ISI marked stainless steel butt hinges of required size

9.134.1.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Second class Teak wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum. Say 51.4 cudm.					
1190	Second class teak wood in planks	10 cudm	5.14	791.00	4065.74	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				7922.01	W
	Add 1 % Water charges on “W”				79.22	
	TOTAL				8001.23	X
	Add GST on “X” (multiplying factor 0.2127)				1701.86	
	TOTAL				9703.09	Y
	Add 15% CPOH on “Y”				1455.46	
	TOTAL				11158.55	Z
	Add Cess @ 1% on “Z”				111.59	
	Cost of 2.16 sqm.				11270.14	
	Cost of 1 sqm.				5217.66	
	Say				5217.65	

9.134.1.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum. Say 51.4 cudm.					
2505	Hollock wood in planks	10 cudm	5.14	409.00	2102.26	
2504	Kiln seasoning of timber	cum	0.051	794.00	40.49	
9999	Chemical treatment	L.S.	8.97	2.27	20.36	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.05	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6019.38	W
	Add 1 % Water charges on “W”				60.19	
	TOTAL				6079.57	X
	Add GST on “X” (multiplying factor 0.2127)				1293.12	
	TOTAL				7372.69	Y
	Add 15% CPOH on “Y”				1105.90	
	TOTAL				8478.59	Z
	Add Cess @ 1% on “Z”				84.79	
	Cost of 2.16 sqm.				8563.38	
	Cost of 1 sqm.				3964.53	
	Say				3764.55	

9.134.1.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles 4x200x9.5x3.5cm = 0.0266cum+					
	Top Rail - 1x110.5x9.5x3.5cm = 0.0036cum+					
	Lock and bottom rail					
	2x110.5x19.7x3.5cm = 0.0152 cum.+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.0464 cum.+					
	Add for wastage @ 10% = 0.005 cum.					
	Total = 0.0514 cum. Say 51.4 cudm.					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.14	650.00	3341.00	
2204	Carriage of Timber	cum	0.051	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	LABOUR					
0111	Carpenter 1st class	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.050	736.00	772.80	
0130	Mistry	day	0.105	897.00	94.19	
9999	Sundries	L.S.	33.8	2.27	76.73	
	TOTAL				7197.27	W
	Add 1 % Water charges on “W”				71.97	
	TOTAL				7269.24	X
	Add GST on “X” (multiplying factor 0.2127)				1546.17	
	TOTAL				8815.41	Y
	Add 15% CPOH on “Y”				1322.31	
	TOTAL				10137.72	Z
	Add Cess @ 1% on “Z”				101.38	
	Cost of 2.16 sqm.				10239.10	
	Cost of 1 sqm.				4740.32	
	Say				4740.30	

9.134.2 30 mm thick shutters

9.134.2.1 with ISI marked M.S. pressed butt hinges bright finished of required size

9.134.2.1.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Teak wood (2nd class)					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6830.24	W
	Add 1 % Water charges on “W”				68.30	
	TOTAL				6898.54	X
	Add GST on “X” (multiplying factor 0.2127)				1467.32	
	TOTAL				8365.86	Y
	Add 15% CPOH on “Y”				1254.88	
	TOTAL				9620.74	Z
	Add Cess @ 1% on “Z”				96.21	
	Cost of 2.16 sqm.				9716.95	
	Cost of 1 sqm.				4498.59	
	Say				4498.60	

9.134.2.1.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
2505	Hollock wood in planks	10 cudm	4.40	409.00	1799.60	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
2504	Kiln seasoning of timber	cum	0.044	794.00	34.94	
9999	Chemical treatment	L.S.	7.68	2.27	17.43	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				5201.81	W
	Add 1 % Water charges on “W”				52.02	
	TOTAL				5253.83	X
	Add GST on “X” (multiplying factor 0.2127)				1117.49	
	TOTAL				6371.32	Y
	Add 15% CPOH on “Y”				955.70	
	TOTAL				7327.02	Z
	Add Cess @ 1% on “Z”				73.27	
	Cost of 2.16 sqm.				7400.29	
	Cost of 1 sqm.				3426.06	
	Say				3426.05	

9.134.2.1.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	49.00	9.80	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6209.84	W
	Add 1 % Water charges on “W”				62.10	
	TOTAL				6271.94	X
	Add GST on “X” (multiplying factor 0.2127)				1334.04	
	TOTAL				7605.98	Y
	Add 15% CPOH on “Y”				1140.90	
	TOTAL				8746.88	Z
	Add Cess @ 1% on “Z”				87.47	
	Cost of 2.16 sqm.				8834.35	
	Cost of 1 sqm.				4089.98	
	Say				4090.00	

9.134.2.2 With ISI marked stainless steel butt hinges of required size

9.134.2.2.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Teak wood (2nd class)					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
1190	Second class teak wood in planks	10 cudm	4.40	791.00	3480.40	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				7124.08	W
	Add 1 % Water charges on “W”				71.24	
	TOTAL				7195.32	X
	Add GST on “X” (multiplying factor 0.2127)				1530.44	
	TOTAL				8725.76	Y
	Add 15% CPOH on “Y”				1308.86	
	TOTAL				10034.62	Z
	Add Cess @ 1% on “Z”				100.35	
	Cost of 2.16 sqm.				10134.97	
	Cost of 1 sqm.				4692.12	
	Say				4692.10	

9.134.2.2.2 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Hollock wood					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
2505	Hollock wood in planks	10 cudm	4.40	409.00	1799.60	
2504	Kiln seasoning of timber	cum	0.044	794.00	34.94	
9999	Chemical treatment	L.S.	7.68	2.27	17.43	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				5495.65	W
	Add 1 % Water charges on “W”				54.96	
	TOTAL				5550.61	X
	Add GST on “X” (multiplying factor 0.2127)				1180.61	
	TOTAL				6731.22	Y
	Add 15% CPOH on “Y”				1009.68	
	TOTAL				7740.90	Z
	Add Cess @ 1% on “Z”				77.41	
	Cost of 2.16 sqm.				7818.31	
	Cost of 1 sqm.				3619.59	
	Say				3619.60	

9.134.2.2.3 Kiln seasoned selected class of sheesham wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for door shutters 2.00x1.08m = 2.16 sqm.					
	MATERIAL					
	Sheesham wood					
	Styles 4x209x9.5x3cm = 0.023 cum+					
	Top Rail - 1x110.5x9.5x3cm = 0.003cum+					
	Lock and bottom rail					
	2x110.5x19.7x3cm = 0.013 cum+					
	Beadings - (2x312+2x150)x(1.2)x(1.2)cm = 0.001 cum.					
	Total = 0.040 cum+					
	Add for wastage @ 10% = 0.004 cum.					
	Total = 0.44 cum. Say 44 cudm.					
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00	
2204	Carriage of Timber	cum	0.044	0.00	0.00	
	Wire gauge 2x160x40cm = 1.28 sqm.+					
	Add wastage @ 10% = 0.13 sqm.					
	Total = 1.41 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	445.00	627.45	
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	345.00	207.00	
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	170.00	34.00	
8211	Stainless steel screws 40 mm	100 Nos	0.48	270.00	129.60	
8214	Stainless steel screws 20 mm	100 Nos	0.08	175.00	14.00	
	LABOUR					
0111	Carpenter 1st class	day	1.20	897.00	1076.40	
0112	Carpenter 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.00	736.00	736.00	
0130	Mistry	day	0.10	897.00	89.70	
9999	Sundries	L.S.	33.80	2.27	76.73	
	TOTAL				6503.68	W
	Add 1 % Water charges on “W”				65.04	
	TOTAL				6568.72	X
	Add GST on “X” (multiplying factor 0.2127)				1397.17	
	TOTAL				7965.89	Y
	Add 15% CPOH on “Y”				1194.88	
	TOTAL				9160.77	Z
	Add Cess @ 1% on “Z”				91.61	
	Cost of 2.16 sqm.				9252.38	
	Cost of 1 sqm.				4283.51	
	Say				4283.50	

9.135 Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.

9.135.1 With 2nd class teak wood beading 62X19 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a window of size 140x110cm =1.54sqm.					
	MATERIAL					
	Wire gauze -20x60mm mesh 3.2mm					
	wide = 1.4x1.1m = 1.54sqm.+					
	Add wastage @ 10% = 0.15sqm.					
	Total = 1.69 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	445.00	752.05	
9977	Carriage of wire fabric	L.S.	1.82	2.27	4.13	
	Second class teak wood beading 5mx62mmx-19mm = 0.0059cum.					
	Add wastage @ 10% = 0.00059cum.					
	Total = 0.00649cum. Say 6 cudm.					
1190	Second class teak wood in planks	10 cudm	0.60	791.00	474.60	
2204	Carriage of Timber	cum	0.006	0.00	0.00	
	LABOUR					
0112	Carpenter 2nd class	day	0.33	816.00	269.28	
0114	Beldar	day	0.25	736.00	184.00	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				1728.92	W
	Add 1 % Water charges on “W”				17.29	
	TOTAL				1746.21	X
	Add GST on “X” (multiplying factor 0.2127)				371.42	
	TOTAL				2117.63	Y
	Add 15% CPOH on “Y”				317.64	
	TOTAL				2435.27	Z
	Add Cess @ 1% on “Z”				24.35	
	Cost of 1.54 sqm.				2459.62	
	Cost of 1 sqm.				1597.16	
	Say				1597.15	

9.135.2 With 12 mm mild steel U beading

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a window of size 140x110cm =1.54sqm.					
	MATERIAL					
	Wire gauze -20x60mm mesh 3.2mm wide = 1.4x1.1m = 1.54sqm.+					
	Add wastage @ 10% = 0.15sqm.					
	Total = 1.69 sqm.					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	445.00	752.05	
9977	Carriage of wire fabric	L.S.	1.82	2.27	4.13	
7349	12 mm M.S. ‘U’ beading	metre	5.00	15.00	75.00	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0112	Carpenter 2nd class	day	0.33	816.00	269.28	
0114	Beldar	day	0.25	736.00	184.00	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				1329.32	W
	Add 1 % Water charges on “W”				13.29	
	TOTAL				1342.61	X
	Add GST on “X” (multiplying factor 0.2127)				285.57	
	TOTAL				1628.18	Y
	Add 15% CPOH on “Y”				244.23	
	TOTAL				1872.41	Z
	Add Cess @ 1% on “Z”				18.72	
	Cost of 1.54 sqm.				1891.13	
	Cost of 1 sqm.				1228.01	
	Say				1228.00	

9.136 Providing and fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermuculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumuscent fire seal strip of size 10x4 mm (minimum) alround the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3300/2750mm Door (9.10 metre length)					
	MATERIAL					
8738	Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermuculite based concrete mix	metre	9.10	1168.00	10628.80	
	LABOUR					
9999	Labour for fixing	L.S.	130.00	2.27	295.10	
9988	Sundries and carriage	L.S.	4.23	2.27	9.60	
	TOTAL				10933.50	W
	Add 1 % Water charges on “W”				109.34	
	TOTAL				11042.84	X
	Add GST on “X” (multiplying factor 0.2127)				2348.81	
	TOTAL				13391.65	Y
	Add 15% CPOH on “Y”				2008.75	
	TOTAL				15400.40	Z
	Add Cess @ 1% on “Z”				154.00	
	Cost of 9.10 metres				15554.40	
	Cost of 1.00 metre				1709.27	
	Say				1709.25	

9.137 Providing and fixing 50 mm thick glazed fire resistant door shutters of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 16 SWG G.I.sheet (zinc coating not less than 120 gm/sqm) duly filled FR insulation material and fixing with necessary stainless steel ball bearing hinges of approved make, including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer-in-charge (panneling to be paid for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3.50 sqm (Door size-1710x2050 mm)					
	MATERIAL					
8739	Fire rated door shutter made with 16 SWG G.I. sheet(60 minutes) without panel	sqm	3.50	5172.00	18102.00	
	LABOUR					
9999	Labour for fixing	L.S.	180.00	2.27	408.60	
9988	Sundries & Carriage	L.S.	10.00	2.27	22.70	
	TOTAL				18533.30	W
	Add 1 % Water charges on “W”				185.33	
	TOTAL				18718.63	X
	Add GST on “X” (multiplying factor 0.2127)				3981.45	
	TOTAL				22700.08	Y
	Add 15% CPOH on “Y”				3405.01	
	TOTAL				26105.09	Z
	Add Cess @ 1% on “Z”				261.05	
	Cost of 3.50 sqm				26366.14	
	Cost of 1 sqm				7533.18	
	Say				7533.20	

9.138 Providing and fixing glazing in fire resistant door shutters, fixed panels & partitions etc., with G.I. beading made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 gm/sqm) of size 20 x 33 mm screwed with M4 x 38 mm SS screws at distance 75 mm from the edges and 150 mm c/c , including applying a coat of approved fire resistant primer/powder coating of not less than 30 micron on G.I. beading, & special ceramic tape of 5 x 20 mm size etc complete in all respect as per NBC 2016, IS 16231 (Part 3):2016 and as per direction of Engineer-in-charge with glass of required thickness having 60 minutes of fire resistance both integrity & radiation control (EW60) and minimum 20 minutes of insulation (EI20). The manufacturer have to give test report/certification of fire glass and the glass should have the stamp showing the value of E, EW & EI. The glass shall be tested in approved NABL accredited lab or by any other accreditation body which operates in accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x2200 mm (w x h) or 2.42 sqm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.46 sqm (Door size 1710 mm x 2050 mm)					
	Glazing area = 2x0.679x1.808= 2.46sqm.					
	MATERIAL					
8760	Glass panes of required thickness having 60 minutes of fire resistance both integrity and radiation control (EW60) and minimum 20 minutes of insulation (EI20)	sqm	2.46	23900.00	58794.00	
2641	G.I. U beading of 1.6 mm thick G.I. Sheet with M4x38mm SS screws	metre	9.91	256.00	2536.96	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2642	Ceramic tape 5x20 mm size	metre	19.82	409.00	8106.38	
	LABOUR					
9999	For fixing in position all complete	L.S.	180.00	2.27	408.60	
9999	Sundries and carriage & Calcium Silicate Blocks	L.S.	10.00	2.27	22.70	
	TOTAL				69868.64	W
	Add 1 % Water charges on “W”				698.69	
	TOTAL				70567.33	X
	Add GST on “X” (multiplying factor 0.2127)				15009.67	
	TOTAL				85577.00	Y
	Add 15% CPOH on “Y”				12836.55	
	TOTAL				98413.55	Z
	Add Cess @ 1% on “Z”				984.14	
	Cost of 2.46 sqm				99397.69	
	Cost of 1 sqm				40405.57	
	Say				40405.55	

9.139 Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge, all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 Nos					
	MATERIAL					
8744	Panic Bar / latch (Double point)	each	1.00	5720.00	5720.00	
	LABOUR					
0111	Carpenter 1st class	day	0.17	897.00	152.49	
9977	Sundries (screws and carriage)	L.S.	3.64	2.27	8.26	
	TOTAL				5880.75	W
	Add 1 % Water charges on “W”				58.81	
	TOTAL				5939.56	X
	Add GST on “X” (multiplying factor 0.2127)				1263.34	
	TOTAL				7202.90	Y
	Add 15% CPOH on “Y”				1080.44	
	TOTAL				8283.34	Z
	Add Cess @ 1% on “Z”				82.83	
	Cost of 1 No				8366.17	
	Say				8366.15	

9.140 Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).

9.140.1 12mm thick commercial ply conforming to IS : 1328 BWR type

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
2413	12 mm commercial ply	sqm	11.00	527.00	5797.00	
	Priming coat					
13.85.1	Rate as per Item Number 13.85.1 of SH: Finishing	sqm	10.00	70.35	703.50	A
9999	Sundries and screws etc.	L.S.	40.10	2.27	91.03	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0156	Carpenter (average)	day	1.28	857.00	1096.96	
0114	Beldar	day	1.43	736.00	1052.48	
9988	Sundries and carriage	L.S.	33.56	2.27	76.18	
	TOTAL				8817.15	W
	Add 1 % Water charges on “W-A”				81.14	
	TOTAL				8898.29	X
	Add GST on “X-A” (multiplying factor 0.2127)				1743.03	
	TOTAL				10641.32	Y
	Add 15% CPOH on “Y-A”				1490.67	
	TOTAL				12131.99	Z
	Add Cess @ 1% on “Z-A”				114.28	
	Cost of 10 sqm				12246.27	
	Cost of 1 sqm				1224.63	
	Say				1224.65	

9.141 Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self taping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer’s specification and direction of Engineer -in- charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door frame of 5 metre					
	MATERIAL					
8014	Factory made door frame of size 50x47mm with wall thickness 5 mm made of single piecs extruded profile	meter	5.00	350.00	1750.00	
	LABOUR					
0156	Carpenter (average)	day	0.15	857.00	128.55	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	11.65	2.27	26.45	
	TOTAL				2015.40	W
	Add 1 % Water charges on “W”				20.15	
	TOTAL				2035.55	X
	Add GST on “X” (multiplying factor 0.2127)				432.96	
	TOTAL				2468.51	Y
	Add 15% CPOH on “Y”				370.28	
	TOTAL				2838.79	Z
	Add Cess @ 1% on “Z”				28.39	
	Cost of 5 metres				2867.18	
	Cost of 1 metre				573.44	
	Say				573.45	

9.142 35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded soild PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge.

9.142.1 Non decorative finish (matt finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8735	35 mm thick factory made solid panel PVC door shutter of single pieceextruded profile non decorative finished (Matt finished)	sqm	2.38	2475.00	5890.50	
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	145.00	58.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	30.35	2.27	68.89	
	TOTAL				6687.55	W
	Add 1 % Water charges on "W"				66.88	
	TOTAL				6754.43	X
	Add GST on "X" (multiplying factor 0.2127)				1436.67	
	TOTAL				8191.10	Y
	Add 15% CPOH on "Y"				1228.67	
	TOTAL				9419.77	Z
	Add Cess @ 1% on "Z"				94.20	
	Cost of 2.38 sqm				9513.97	
	Cost of 1 sqm				3997.47	
	Say				3997.45	

9.142.2 Decorative finish (wood grained finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8736	35 mm thick factory made solid panel PVC door shutter of single pieceextruded profile decorative finished (Wood grand finished)	sqm	2.38	2978.00	7087.64	
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	145.00	58.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	62.00	29.76	
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	40.00	3.20	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	30.35	2.27	68.89	
	TOTAL				7884.69	W
	Add 1 % Water charges on “W”				78.85	
	TOTAL				7963.54	X
	Add GST on “X” (multiplying factor 0.2127)				1693.84	
	TOTAL				9657.38	Y
	Add 15% CPOH on “Y”				1448.61	
	TOTAL				11105.99	Z
	Add Cess @ 1% on “Z”				111.06	
	Cost of 2.38 sqm				11217.05	
	Cost of 1 sqm				4713.05	
	Say				4713.05	

9.143 Providing and Fixing factory made uPVC door frame, made of uPVC exturded sections, of size 65 mm x 55 mm with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (±0.2 mm), including providing & fixing 3 nos of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fastners, all complete as per manufacturer’s specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door frame of 5 metre					
	MATERIAL					
8745	65mm x 55mm x 2mm thick Factory made door frame of PVC extruded section in white,grey or wooden finish	metre	5.00	388.00	1940.00	
	LABOUR					
0156	Carpenter (average)	day	0.15	857.00	128.55	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	4.68	2.27	10.62	
	TOTAL				2189.57	W
	Add 1 % Water charges on “W”				21.90	
	TOTAL				2211.47	X
	Add GST on “X” (multiplying factor 0.2127)				470.38	
	TOTAL				2681.85	Y
	Add 15% CPOH on “Y”				402.28	
	TOTAL				3084.13	Z
	Add Cess @ 1% on “Z”				30.84	
	Cost of 5 metres				3114.97	
	Cost of 1 metre				622.99	
	Say				623.00	

9.144 Providing and fixing 37 mm thick factory made PVC door shutter, styles and rails made of PVC hollow section of size 100 mm x 37 mm with wall thickness 2 mm (± 0.2 mm), with inbuilt bead on one side, styles and rails mitered cut and joint at the corners by means of 2 nos of plastic brackets of size 75 mm x 220 mm at each corner and stainless steel screws, reinforcing the hinge side of style by inserting PVC profile of size 28 mm x 30 mm, with wall thickness 2 mm (± 0.2 mm). Lockrail of size 100 mm x 37 mm, wall thickness 2 mm (+ 0.2 mm) will be fixed to the vertical styles. Providing with PVC snapfit beads and panel of size 100 mm x 20 mm, and inserting 2 nos tie bar of 6 mm dia and fastening with nuts and washers complete, all as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8746	37 mm thick Factory made shutter with style,rails and panels of PVC extruded section in white or grey finish i/c carriage	sqm	2.38	2578.00	6135.64	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				6819.06	W
	Add 1 % Water charges on "W"				68.19	
	TOTAL				6887.25	X
	Add GST on "X" (multiplying factor 0.2127)				1464.92	
	TOTAL				8352.17	Y
	Add 15% CPOH on "Y"				1252.83	
	TOTAL				9605.00	Z
	Add Cess @ 1% on "Z"				96.05	
	Cost of 2.38 sqm				9701.05	
	Cost of 1 sqm				4076.07	
	Say				4076.05	

9.145 Providing and Fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (± 0.2 mm). Both vertical sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (± 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut, jointed and fusion welded together, including providing and fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door frame of 5 metre					
	MATERIAL					
8747	75mm x 53mm x 2.0mm thick Factory made door frame of PVC extruded section in white,grey or wooden finish	metre	5.00	487.00	2435.00	
	LABOUR					
0156	Carpenter (average)	day	0.15	857.00	128.55	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	4.68	2.27	10.62	
	TOTAL				2684.57	W
	Add 1 % Water charges on "W"				26.85	
	TOTAL				2711.42	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				576.72	
	TOTAL				3288.14	Y
	Add 15% CPOH on “Y”				493.22	
	TOTAL				3781.36	Z
	Add Cess @ 1% on “Z”				37.81	
	Cost of 5 metres				3819.17	
	Cost of 1 metre				763.83	
	Say				763.85	

9.146 Providing and fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm (± 0.2 mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm (± 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer’s specification and direction of engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm					
	MATERIAL					
8748	37 mm thick Factory made fusion welded shutter with style,rails and panels of PVC extruded section in wooden finish.	sqm	2.38	2779.00	6614.02	
	LABOUR					
0156	Carpenter (average)	day	0.40	857.00	342.80	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	20.36	2.27	46.22	
	TOTAL				7297.44	W
	Add 1 % Water charges on “W”				72.97	
	TOTAL				7370.41	X
	Add GST on “X” (multiplying factor 0.2127)				1567.69	
	TOTAL				8938.10	Y
	Add 15% CPOH on “Y”				1340.72	
	TOTAL				10278.82	Z
	Add Cess @ 1% on “Z”				102.79	
	Cost of 2.38 sqm				10381.61	
	Cost of 1 sqm				4362.02	
	Say				4362.00	

9.147A Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge.

Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately.

Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for : (i) Sites with basic wind speed > 45 m/sec as per IS 875 – Part 3 (ii) Sites with structure height more than 20m for all wind speeds

9.147.A1 Two track two panels sliding window with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.

9.147.A1.1 Using R2 series with frame (40mm & above) x (40mm & above) & sash (25mm & above) x (50mm & above) with zinc alloy (zamak) powder coated touch locks with hook (Height upto 1.2 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 1.65 m x 1.2 m = 1.98 sqm.					
	MATERIAL					
8133	uPVC extruded range R2 two track sliding window frame size (40mm & above) x (40mm & above) (including 5% wastage)	metre	5.99	261.00	1563.39	
8137	uPVC extruded range R2 sliding window sash size (25mm & above) x (50mm & above) (including 5% wastage)	metre	8.16	282.00	2301.12	
8140	uPVC extruded interlock of appropriate dimension for range R2 sliding sash (including 5% wastage)	metre	2.36	110.00	259.60	
8131	uPVC extruded glazing bead of appropriate dimension for range R2 sliding window sash (including 5% wastage)	metre	7.40	76.00	562.40	
3991	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	13.01	75.00	975.75	
7390	EPDM Gasket for uPVC window/ door (including 5% wastage)	metre	14.80	16.00	236.80	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	13.97	22.00	307.34	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	3.28	40.00	131.20	
7217	SS anchor Fasteners with sleeve (RCC / Brick) – M-8x75mm/ M-10x100mm	each	14.00	76.00	1064.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	131.00	262.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	4.00	69.00	276.00	
8646	Weather Silicone sealant	each	2.18	125.00	272.50	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.98	609.00	1205.82	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	1.98	882.00	1746.36	
	TOTAL				11550.18	W
	Add 1 % Water charges on “W”				115.50	
	TOTAL				11665.68	X
	Add GST on “X” (multiplying factor 0.2127)				2481.29	
	TOTAL				14146.97	Y
	Add 15% CPOH on “Y”				2122.05	
	TOTAL				16269.02	Z
	Add Cess @ 1% on “Z”				162.69	
	Cost of 1.98 sqm				16431.71	
	Cost of 1.00 sqm				8298.84	
	Say				8298.85	

9.147.A1.2 Using R3 series with frame (55mm & above) x (40mm & above) & sash (30mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every panel along with multi-point locking system (Height upto 1.8m).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 1.8 m x 1.65 m = 2.97 sqm.					
	MATERIAL					
8157	uPVC extruded range R3 two track sliding window/ door frame size (55mm & above) x (40mm & above) (including 5% wastage)	metre	7.25	332.00	2407.00	
8160	uPVC extruded range R3 sliding window sash size (30mm & above) x (55mm & above) (including 5% wastage)	metre	10.31	282.00	2907.42	
8163	uPVC extruded interlock/ inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	3.29	110.00	361.90	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	9.57	90.00	861.30	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	6.83	80.00	546.40	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	9.57	95.00	909.15	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	19.14	16.00	306.24	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	17.33	22.00	381.26	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	3.61	40.00	144.40	
7217	SS anchor Fasteners (RCC/ Brick) – M-8x75mm/ M-10x100mm	each	16.00	76.00	1216.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	4.00	69.00	276.00	
8646	Weather Silicone sealant	each	2.63	125.00	328.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.97	609.00	1808.73	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	2.97	882.00	2619.54	
	TOTAL				18369.99	W
	Add 1 % Water charges on “W”				183.70	
	TOTAL				18553.69	X
	Add GST on “X” (multiplying factor 0.2127)				3946.37	
	TOTAL				22500.06	Y
	Add 15% CPOH on “Y”				3375.01	
	TOTAL				25875.07	Z
	Add Cess @ 1% on “Z”				258.75	
	Cost of 2.97 sqm				26133.82	
	Cost of 1.00 sqm				8799.27	
	Say				8799.25	

9.147.A1.3 Using R4 series with frame (64mm & above) x (45mm & above) & sash (44mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every panel along with multi-point locking system (Height above 1.8m).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 1.5 m x 2 m = 3.00 sqm.					
	MATERIAL					
8134	uPVC extruded range R4 two track sliding window/door frame size (64mm & above) x (45mm & above) (including 5% wastage)	metre	7.35	424.00	3116.40	
8138	uPVC extruded range R4 sliding window sash size (44mm & above) x (55mm & above) (including 5% wastage)	metre	11.15	345.00	3846.75	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	4.02	120.00	482.40	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash (including 5% wastage)	metre	10.41	98.00	1020.18	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	6.93	80.00	554.40	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	10.41	95.00	988.95	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	20.82	16.00	333.12	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	18.27	22.00	401.94	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	2.94	40.00	117.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	4.00	69.00	276.00	
8646	Weather Silicone sealant	each	2.67	125.00	333.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	3.00	609.00	1827.00	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	3.00	882.00	2646.00	
	TOTAL				20304.39	W
	Add 1 % Water charges on “W”				203.04	
	TOTAL				20507.43	X
	Add GST on “X” (multiplying factor 0.2127)				4361.93	
	TOTAL				24869.36	Y
	Add 15% CPOH on “Y”				3730.40	
	TOTAL				28599.76	Z
	Add Cess @ 1% on “Z”				286.00	
	Cost of 3.00 sqm				28885.76	
	Cost of 1.00 sqm				9628.59	
	Say				9628.60	

9.147.A2 Two track four panels sliding windows with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handle on three panels along with multi-point locking system, nylon rollers with SS 304 body.

9.147.A2.1 Using R3 series with frame (55mm & above) x (40mm & above) & sash (30mm & above) x (55mm & above) (Height upto 1.8m).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 3.6 m x 1.65 m = 5.94 sqm.					
	MATERIAL					
8157	uPVC extruded range R3 two track sliding window/door frame size (55mm & above) x (40mm & above) (including 5% wastage)	metre	11.03	332.00	3661.96	
8160	uPVC extruded range R3 sliding window sash size (30mm & above) x (55mm & above) (including 5% wastage)	metre	20.84	282.00	5876.88	
8163	uPVC extruded interlock / inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	6.58	110.00	723.80	
8163	uPVC extruded interlock / inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	1.64	110.00	180.40	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	19.36	90.00	1742.40	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	10.61	80.00	848.80	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	19.36	95.00	1839.20	
7390	EPDM Gasket for uPVC window/ door (including 5% wastage)	metre	38.72	16.00	619.52	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	31.82	22.00	700.04	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	7.35	40.00	294.00	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	22.00	76.00	1672.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	3.00	1455.00	4365.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	8.00	69.00	552.00	
8646	Weather Silicone sealant	each	4.01	125.00	501.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	5.94	609.00	3617.46	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	5.94	882.00	5239.08	
	TOTAL				32819.69	W
	Add 1 % Water charges on “W”				328.20	
	TOTAL				33147.89	X
	Add GST on “X” (multiplying factor 0.2127)				7050.56	
	TOTAL				40198.45	Y
	Add 15% CPOH on “Y”				6029.77	
	TOTAL				46228.22	Z
	Add Cess @ 1% on “Z”				462.28	
	Cost of 5.94 sqm				46690.50	
	Cost of 1.00 sqm				7860.35	
	Say				7860.35	

9.147.A2.2 Using R4 series with frame (64mm & above) x (45mm & above) & sash (44mm & above) x (55mm & above) (Height above 1.8m).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 3 m x 2 m = 6.00 sqm.					
	MATERIAL					
8134	uPVC extruded range R4 two track sliding window/door frame size (64mm & above) x (45mm & above) (including 5% wastage)	metre	10.50	424.00	4452.00	
8138	uPVC extruded range R4 sliding window sash size (44mm & above) x (55mm & above) (including 5% wastage)	metre	22.52	345.00	7769.40	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	8.05	120.00	966.00	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	2.01	120.00	241.20	
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash (including 5% wastage)	metre	21.04	98.00	2061.92	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	10.08	80.00	806.40	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	21.04	95.00	1998.80	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	42.08	16.00	673.28	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	32.97	22.00	725.34	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	6.09	40.00	243.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	20.00	76.00	1520.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	3.00	1455.00	4365.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	8.00	69.00	552.00	
8646	Weather Silicone sealant	each	3.82	125.00	477.50	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	6.00	609.00	3654.00	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	6.00	882.00	5292.00	
	TOTAL				36184.34	W
	Add 1 % Water charges on “W”				361.84	
	TOTAL				36546.18	X
	Add GST on “X” (multiplying factor 0.2127)				7773.37	
	TOTAL				44319.55	Y
	Add 15% CPOH on “Y”				6647.93	
	TOTAL				50967.48	Z
	Add Cess @ 1% on “Z”				509.67	
	Cost of 6.00 sqm				51477.15	
	Cost of 1.00 sqm				8579.53	
	Say				8579.55	

9.147.A3 Two and half track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.

9.147.A3.1 Using R2 series with frame (65mm & above) x (40mm & above) & glazed sash (25mm & above) x (50mm & above) & fly screen sash (18mm & above) x (40mm & above) with zinc alloy (zamak) powder coated touch locks with hook (Height upto 1.2 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 1.65 m x 1.2 m = 1.98 sqm.					
	MATERIAL					
8154	uPVC extruded range R2 Sliding window 2.5 track frame size (65mm & above) x (40mm & above) (including 5% wastage)	metre	5.99	338.00	2024.62	
8137	uPVC extruded range R2 sliding window sash size (25mm & above) x (50mm & above) (including 5% wastage)	metre	8.16	282.00	2301.12	
8155	uPVC extruded range R2 Sliding fly screen window sash size (18mm & above) x (40mm & above) - for 2.5 Track frame only (including 5% wastage)	metre	4.08	138.00	563.04	
8140	uPVC extruded interlock of appropriate dimension for range R2 sliding sash (including 5% wastage)	metre	3.55	110.00	390.50	
8131	uPVC extruded glazing bead of appropriate dimension for range R2 sliding window sash (including 5% wastage)	metre	7.40	76.00	562.40	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	22.31	75.00	1673.25	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	22.97	16.00	367.52	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	20.95	22.00	460.90	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	3.28	40.00	131.20	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	70.00	980.00	
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	131.00	262.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	69.00	414.00	
8646	Weather Silicone sealant	each	2.18	125.00	272.50	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.98	609.00	1205.82	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	1.98	882.00	1746.36	
	TOTAL				13741.13	W
	Add 1 % Water charges on “W”				137.41	
	TOTAL				13878.54	X
	Add GST on “X” (multiplying factor 0.2127)				2951.97	
	TOTAL				16830.51	Y
	Add 15% CPOH on “Y”				2524.58	
	TOTAL				19355.09	Z
	Add Cess @ 1% on “Z”				193.55	
	Cost of 1.98 sqm				19548.64	
	Cost of 1.00 sqm				9873.05	
	Say				9873.05	

9.147.A3.2 Using R3 series with frame (85mm & above) x (40mm & above) & glazed sash (30mm & above) x (55mm & above) & fly screen sash (20mm & above) x (50mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 1.8 m x 1.65 m = 2.97 sqm.					
	MATERIAL					
8158	uPVC extruded range R3 Sliding window 2.5 track frame size (85mm & above) x (40mm & above) (including 5% wastage)	metre	7.25	365.00	2646.25	
8160	uPVC extruded range R3 sliding window sash size (30mm & above) x (55mm & above) (including 5% wastage)	metre	10.31	282.00	2907.42	
8162	uPVC extruded range R3 Sliding fly screen window sash size (20mm & above) x (50mm & above) - 2.5 Track frame only (including 5% wastage)	metre	5.15	153.00	787.95	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8163	uPVC extruded interlock / inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	3.29	110.00	361.90	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	9.57	90.00	861.30	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	13.65	80.00	1092.00	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	14.35	95.00	1363.25	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	29.44	16.00	471.04	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	22.48	22.00	494.56	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	3.57	40.00	142.80	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	16.00	76.00	1216.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	69.00	414.00	
8646	Weather Silicone sealant	each	2.63	125.00	328.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.97	609.00	1808.73	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	2.97	882.00	2619.54	
	TOTAL				20811.39	W
	Add 1 % Water charges on “W”				208.11	
	TOTAL				21019.50	X
	Add GST on “X” (multiplying factor 0.2127)				4470.85	
	TOTAL				25490.35	Y
	Add 15% CPOH on “Y”				3823.55	
	TOTAL				29313.90	Z
	Add Cess @ 1% on “Z”				293.14	
	Cost of 2.97 sqm				29607.04	
	Cost of 1.00 sqm				9968.70	
	Say				9968.70	

9.147.A4 Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.

9.147.A4.1 Using R2 series with frame (70mm & above) x (40mm & above) & both glazed and fly screen sash (25mm & above) x (50mm & above) with zinc alloy (zamak) powder coated touch locks with hook. (Height upto 1.2 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 1.65 m x 1.2 m = 1.98 sqm.					
	MATERIAL					
8135	uPVC extruded range R2 3 track sliding window frame size (70mm & above) x (40mm & above) (including 5% wastage)	metre	5.99	430.00	2575.70	
8137	uPVC extruded range R2 sliding window sash size (25mm & above) x (50mm & above) (including 5% wastage)	metre	12.25	282.00	3454.50	
8140	uPVC extruded interlock of appropriate dimension for range R2 sliding sash (including 5% wastage)	metre	3.55	110.00	390.50	
8131	uPVC extruded glazing bead of appropriate dimension for range R2 sliding window sash (including 5% wastage)	metre	11.10	76.00	843.60	
3991	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	22.31	75.00	1673.25	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	22.20	16.00	355.20	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	20.95	22.00	460.90	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	4.91	40.00	196.40	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	131.00	262.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	69.00	414.00	
8646	Weather Silicone sealant	each	2.18	125.00	272.50	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.98	609.00	1205.82	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	1.98	882.00	1746.36	
	TOTAL				15300.63	W
	Add 1 % Water charges on “W”				153.01	
	TOTAL				15453.64	X
	Add GST on “X” (multiplying factor 0.2127)				3286.99	
	TOTAL				18740.63	Y
	Add 15% CPOH on “Y”				2811.09	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				21551.72	Z
	Add Cess @ 1% on "Z"				215.52	
	Cost of 1.98 sqm				21767.24	
	Cost of 1.00 sqm				10993.56	
	Say				10993.55	

9.147.A4.2 Using R3 series with frame (98mm & above) x (40mm & above) & both glazed and fly screen sash (30mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8m).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 1.8 m x 1.65 m = 2.97 sqm.					
	MATERIAL					
8159	uPVC extruded range R3 3 track sliding window/ door frame size (98mm & above) x (40mm & above) (including 5% wastage)	metre	7.25	431.00	3124.75	
8160	uPVC extruded range R3 sliding window sash size (30mm & above) x (55mm & above) (including 5% wastage)	metre	15.46	282.00	4359.72	
8163	uPVC extruded interlock / inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	4.93	110.00	542.30	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	14.35	90.00	1291.50	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	13.65	80.00	1092.00	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	14.35	95.00	1363.25	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	28.70	16.00	459.20	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	25.99	22.00	571.78	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	5.36	40.00	214.40	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	16.00	76.00	1216.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	69.00	414.00	
8646	Weather Silicon sealant	each	2.63	125.00	328.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR				0.00	
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.97	609.00	1808.73	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	2.97	882.00	2619.54	
	TOTAL				22701.82	W
	Add 1 % Water charges on “W”				227.02	
	TOTAL				22928.84	X
	Add GST on “X” (multiplying factor 0.2127)				4876.96	
	TOTAL				27805.80	Y
	Add 15% CPOH on “Y”				4170.87	
	TOTAL				31976.67	Z
	Add Cess @ 1% on “Z”				319.77	
	Cost of 2.97 sqm				32296.44	
	Cost of 1.00 sqm				10874.22	
	Say				10874.20	

9.147.A4.3 Using R4 series with frame (115mm & above) x (45mm & above) & both glazed and fly screen sash (44mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height above 1.8m)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 1.5 m x 2 m = 3.00 sqm.					
	MATERIAL					
8136	uPVC extruded range R4 3 track sliding window/ door frame size (115mm & above) x (45mm & above) (including 5% wastage)	metre	7.35	628.00	4615.80	
8138	uPVC extruded range R4 sliding window sash size (44mm & above) x (55mm & above) (including 5% wastage)	metre	16.72	345.00	5768.40	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	6.04	120.00	724.80	
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash (including 5% wastage)	metre	15.61	98.00	1529.78	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	13.86	80.00	1108.80	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	15.61	95.00	1482.95	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	31.22	16.00	499.52	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	27.41	22.00	603.02	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	4.41	40.00	176.40	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	69.00	414.00	
8646	Weather Silicone sealant	each	2.67	125.00	333.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	3.00	609.00	1827.00	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	3.00	882.00	2646.00	
	TOTAL				26090.12	W
	Add 1 % Water charges on “W”				260.90	
	TOTAL				26351.02	X
	Add GST on “X” (multiplying factor 0.2127)				5604.86	
	TOTAL				31955.88	Y
	Add 15% CPOH on “Y”				4793.38	
	TOTAL				36749.26	Z
	Add Cess @ 1% on “Z”				367.49	
	Cost of 3.00 sqm				37116.75	
	Cost of 1.00 sqm				12372.25	
	Say				12372.25	

9.147.A5 Three track three panels sliding window with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.

9.147.A5.1 Using R2 series with frame (70mm & above) x (40mm & above) & sash (25mm & above) x (50mm & above) with zinc alloy (zamak) powder coated touch locks with hook. (Height upto 1.2 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 2.4 m x 1.2 m = 2.88 sqm.					
	MATERIAL					
8135	uPVC extruded range R2 3 track sliding window frame size (70mm & above) x (40mm & above) (including 5% wastage)	metre	7.56	430.00	3250.80	
8137	uPVC extruded range R2 sliding window sash size (25mm & above) x (50mm & above) (including 5% wastage)	metre	12.04	282.00	3395.28	
8140	uPVC extruded interlock of appropriate dimension for range R2 sliding sash (including 5% wastage)	metre	4.73	110.00	520.30	
8131	uPVC extruded glazing bead of appropriate dimension for range R2 sliding window sash (including 5% wastage)	metre	11.45	76.00	870.20	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	22.33	75.00	1674.75	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	22.89	16.00	366.24	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	19.35	22.00	425.70	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	7.28	40.00	291.20	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	16.00	76.00	1216.00	
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	131.00	262.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	69.00	414.00	
8646	Weather Silicone sealant	each	2.75	125.00	343.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.88	609.00	1753.92	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	2.88	882.00	2540.16	
	TOTAL				17710.20	W
	Add 1 % Water charges on “W”				177.10	
	TOTAL				17887.30	X
	Add GST on “X” (multiplying factor 0.2127)				3804.63	
	TOTAL				21691.93	Y
	Add 15% CPOH on “Y”				3253.79	
	TOTAL				24945.72	Z
	Add Cess @ 1% on “Z”				249.46	
	Cost of 2.88 sqm				25195.18	
	Cost of 1.00 sqm				8748.33	
	Say				8748.35	

9.147.A5.2 Using R3 series with frame (98mm & above) x (40mm & above) & sash (30mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on two end panels along with multi-point locking system (Height upto 1.8 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 2.7 m x 1.65 m = 4.46 sqm.					
	MATERIAL					
8159	uPVC extruded range R3 3 track sliding window/ door frame size (98mm & above) x (40mm & above) (including 5% wastage)	metre	9.14	431.00	3939.34	
8160	uPVC extruded range R3 sliding window sash size (30mm & above) x (55mm & above) (including 5% wastage)	metre	15.62	282.00	4404.84	
8163	uPVC extruded interlock/ inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	6.58	110.00	723.80	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	15.25	90.00	1372.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	17.43	80.00	1394.40	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	15.25	95.00	1448.75	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	30.49	16.00	487.84	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	24.66	22.00	542.52	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	8.19	40.00	327.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	18.00	76.00	1368.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	69.00	414.00	
8646	Weather Silicone sealant	each	3.32	125.00	415.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.46	609.00	2716.14	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	4.46	882.00	3933.72	
	TOTAL				26784.35	W
	Add 1 % Water charges on “W”				267.84	
	TOTAL				27052.19	X
	Add GST on “X” (multiplying factor 0.2127)				5754.00	
	TOTAL				32806.19	Y
	Add 15% CPOH on “Y”				4920.93	
	TOTAL				37727.12	Z
	Add Cess @ 1% on “Z”				377.27	
	Cost of 4.46 sqm				38104.39	
	Cost of 1.00 sqm				8543.59	
	Say				8543.60	

9.147.A5.3 Using R4 series with frame (115mm & above) x (45mm & above) & sash (44mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on two end panels along with multi-point locking system. (Height above 1.8 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 2.15 m x 2 m = 4.30 sqm.					
	MATERIAL					
8136	uPVC extruded range R4 3 track sliding window/ door frame size (115mm & above) x (45mm & above) (including 5% wastage)	metre	8.72	628.00	5476.16	
8138	uPVC extruded range R4 sliding window sash size (44mm & above) x (55mm & above) (including 5% wastage)	metre	16.67	345.00	5751.15	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	8.05	120.00	966.00	
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash (including 5% wastage)	metre	16.30	98.00	1597.40	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	16.59	80.00	1327.20	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash(including 5% wastage)	metre	16.30	95.00	1548.50	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	32.59	16.00	521.44	
8773	Wool pile/ weather pile strip for uPVC sliding window (including 5% wastage)	metre	25.29	22.00	556.38	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	6.46	40.00	258.40	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	18.00	76.00	1368.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8752	SS 304 body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	69.00	414.00	
8646	Weather Silicone sealant	each	3.17	125.00	396.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.30	609.00	2618.70	
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	4.30	882.00	3792.60	
	TOTAL				29888.08	W
	Add 1 % Water charges on “W”				298.88	
	TOTAL				30186.96	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				6420.77	
	TOTAL				36607.73	Y
	Add 15% CPOH on "Y"				5491.16	
	TOTAL				42098.89	Z
	Add Cess @ 1% on "Z"				420.99	
	Cost of 4.30 sqm				42519.88	
	Cost of 1.00 sqm				9888.34	
	Say				9888.35	

9.147.B1 Two track two panels sliding door with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handle on every panel along with multi-point locking system, adjustable nylon rollers with SS 304 body.

9.147.B1.1 Using R3 series with frame (55mm & above) x (40mm & above) & sash (30mm & above) x (74mm & above). (Height upto 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC sliding door size 2 m x 2.1 m = 4.20 sqm.					
	MATERIAL					
8157	uPVC extruded range R3 two track sliding window/ door frame size (55mm & above) x (40mm & above) (including 5% wastage)	metre	8.61	332.00	2858.52	
8161	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash range R3 size (30mm & above) x (74mm & above) (including 5% wastage)	metre	12.67	361.00	4573.87	
8163	uPVC extruded interlock/ inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	4.23	110.00	465.30	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	11.51	90.00	1035.90	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	8.19	80.00	655.20	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	11.51	95.00	1093.45	
7390	EPDM Gasket for uPVC door/door (including 5% wastage)	metre	23.02	16.00	368.32	
8773	Wool pile/ weather pile strip for uPVC sliding door (including 5% wastage)	metre	21.11	22.00	464.42	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	3.99	40.00	159.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	16.00	76.00	1216.00	
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each	2.00	1765.00	3530.00	
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	4.00	118.00	472.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8646	Weather Silicone sealant	each	3.13	125.00	391.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.20	609.00	2557.80	
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	4.20	882.00	3704.40	
	TOTAL				23931.93	W
	Add 1 % Water charges on “W”				239.32	
	TOTAL				24171.25	X
	Add GST on “X” (multiplying factor 0.2127)				5141.22	
	TOTAL				29312.47	Y
	Add 15% CPOH on “Y”				4396.87	
	TOTAL				33709.34	Z
	Add Cess @ 1% on “Z”				337.09	
	Cost of 4.20 sqm				34046.43	
	Cost of 1.00 sqm				8106.29	
	Say				8106.30	

9.147.B1.2 Using R4 series with frame (64mm & above) x (45mm & above) & sash (44mm & above) x (85mm & above). (Height above 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC sliding door size 2.1 m x 2.7 m = 5.67 sqm.					
	MATERIAL					
8134	uPVC extruded range R4 two track sliding window/ door frame size (64mm & above) x (45mm & above) (including 5% wastage)	metre	10.08	424.00	4273.92	
8143	uPVC extruded range R4 sliding door sash size (44mm & above) x (85mm & above) (including 5% wastage)	metre	15.41	423.00	6518.43	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	5.49	120.00	658.80	
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash (including 5% wastage)	metre	14.23	98.00	1394.54	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	9.66	80.00	772.80	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	14.23	95.00	1351.85	
7390	EPDM Gasket for uPVC door/door (including 5% wastage)	metre	28.47	16.00	455.52	
8773	Wool pile/ weather pile strip for uPVC sliding door (including 5% wastage)	metre	25.33	22.00	557.26	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	4.20	40.00	168.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	18.00	76.00	1368.00	
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each	2.00	1765.00	3530.00	
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	4.00	118.00	472.00	
8646	Weather Silicone sealant	each	3.67	125.00	458.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	5.67	609.00	3453.03	
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	5.67	882.00	5000.94	
	TOTAL				30819.74	W
	Add 1 % Water charges on “W”				308.20	
	TOTAL				31127.94	X
	Add GST on “X” (multiplying factor 0.2127)				6620.91	
	TOTAL				37748.85	Y
	Add 15% CPOH on “Y”				5662.33	
	TOTAL				43411.18	Z
	Add Cess @ 1% on “Z”				434.11	
	Cost of 5.67 sqm				43845.29	
	Cost of 1.00 sqm				7732.86	
	Say				7732.85	

9.147.B2 Two track four panels sliding door with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handle on three panels along with multi-point locking system, adjustable nylon rollers with SS 304 body.

9.147.B2.1 Using R3 series with frame (55mm & above) x (40mm & above) & sash (30mm & above) x (74mm & above). (Height upto 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC sliding door size 4 m x 2.1 m = 8.40 sqm.					
	MATERIAL					
8157	uPVC extruded range R3 two track sliding window/ door frame size (55mm & above) x (40mm & above) (including 5% wastage)	metre	12.81	332.00	4252.92	
8161	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash range R3 size (30mm & above) x (74mm & above) (including 5% wastage)	metre	25.50	361.00	9205.50	
8163	uPVC extruded interlock/ inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	8.47	110.00	931.70	
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window/ door sash (including 5% wastage)	metre	2.12	110.00	233.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	23.18	90.00	2086.20	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	12.39	80.00	991.20	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	23.18	95.00	2202.10	
7390	EPDM Gasket for uPVC door/door (including 5% wastage)	metre	46.37	16.00	741.92	
8773	Wool pile/ weather pile strip for uPVC sliding door (including 5% wastage)	metre	38.30	22.00	842.60	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	8.19	40.00	327.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	24.00	76.00	1824.00	
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each	3.00	1765.00	5295.00	
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	8.00	118.00	944.00	
8646	Weather Silicone sealant	each	4.66	125.00	582.50	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	8.40	609.00	5115.60	
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	8.40	882.00	7408.80	
	TOTAL				43370.74	W
	Add 1 % Water charges on “W”				433.71	
	TOTAL				43804.45	X
	Add GST on “X” (multiplying factor 0.2127)				9317.21	
	TOTAL				53121.66	Y
	Add 15% CPOH on “Y”				7968.25	
	TOTAL				61089.91	Z
	Add Cess @ 1% on “Z”				610.90	
	Cost of 8.40 sqm				61700.81	
	Cost of 1.00 sqm				7345.33	
	Say				7345.35	

9.147.B2.2 Using R4 series with frame (64mm & above) x (45mm & above) & sash (44mm & above) x (85mm & above). (Height above 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC sliding door size 4 m x 2.7 m = 10.80 sqm.					
	MATERIAL					
8134	uPVC extruded range R4 two track sliding window/door frame size (64mm & above) x (45mm & above) (including 5% wastage)	metre	14.07	424.00	5965.68	
8143	uPVC extruded range R4 sliding door sash size (44mm & above) x (85mm & above) (including 5% wastage)	metre	30.56	423.00	12926.88	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	10.99	120.00	1318.80	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	2.75	120.00	330.00	
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash (including 5% wastage)	metre	28.21	98.00	2764.58	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	13.65	80.00	1092.00	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	28.21	95.00	2679.95	
7390	EPDM Gasket for uPVC door/door (including 5% wastage)	metre	56.41	16.00	902.56	
8773	Wool pile/ weather pile strip for uPVC sliding door (including 5% wastage)	metre	44.64	22.00	982.08	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	8.19	40.00	327.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	26.00	76.00	1976.00	
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each	3.00	1765.00	5295.00	
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	8.00	118.00	944.00	
8646	Weather Silicone sealant	each	5.12	125.00	640.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	10.80	609.00	6577.20	
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	10.80	882.00	9525.60	
	TOTAL				54633.83	W
	Add 1 % Water charges on “W”				546.34	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				55180.17	X
	Add GST on “X” (multiplying factor 0.2127)				11736.82	
	TOTAL				66916.99	Y
	Add 15% CPOH on “Y”				10037.55	
	TOTAL				76954.54	Z
	Add Cess @ 1% on “Z”				769.55	
	Cost of 10.80 sqm				77724.09	
	Cost of 1.00 sqm				7196.68	
	Say				7196.70	

9.147.B3 Three track three panels sliding door with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handle on two panels along with multi-point locking system, adjustable nylon rollers with SS 304 body.

9.147.B3.1 Using R3 series with frame (98mm & above) x (40mm & above) & both glazed and fly screen sash (30mm & above) x (74mm & above). (Height upto 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC sliding door size 2 m x 2.1 m = 4.20 sqm.					
	MATERIAL					
8159	uPVC extruded range R3 three track sliding window/door frame size (98mm & above) x (40mm & above) (including 5% wastage)	metre	8.61	431.00	3710.91	
8161	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash range R3 size (30mm & above) x (74mm & above) (including 5% wastage)	metre	19.00	361.00	6859.00	
8163	uPVC extruded interlock / inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	6.35	110.00	698.50	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	17.27	90.00	1554.30	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	16.38	80.00	1310.40	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	17.27	95.00	1640.65	
7390	EPDM Gasket for uPVC door/door (including 5% wastage)	metre	34.53	16.00	552.48	
8773	Wool pile/ weather pile strip for uPVC sliding door (including 5% wastage)	metre	31.66	22.00	696.52	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	5.99	40.00	239.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	16.00	76.00	1216.00	
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each	2.00	1765.00	3530.00	
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	118.00	708.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8646	Weather Silicone sealant	each	3.13	125.00	391.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.20	609.00	2557.80	
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	4.20	882.00	3704.40	
	TOTAL				29755.71	W
	Add 1 % Water charges on “W”				297.56	
	TOTAL				30053.27	X
	Add GST on “X” (multiplying factor 0.2127)				6392.33	
	TOTAL				36445.60	Y
	Add 15% CPOH on “Y”				5466.84	
	TOTAL				41912.44	Z
	Add Cess @ 1% on “Z”				419.12	
	Cost of 4.20 sqm				42331.56	
	Cost of 1.00 sqm				10078.94	
	Say				10078.95	

9.147.B3.2 Using R4 series with frame (115mm & above) x (45mm & above) & both glazed and fly screen sash (44mm & above) x (85mm & above). (Height above 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC sliding door size 2.1 m x 2.7 m = 5.67 sqm.					
	MATERIAL					
8136	uPVC extruded range R4 three track sliding window/door frame size (115mm & above) x (45mm & above) (including 5% wastage)	metre	10.08	628.00	6330.24	
8143	uPVC extruded range R4 sliding door sash size (44mm & above) x (85mm & above) (including 5% wastage)	metre	23.11	423.00	9775.53	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	8.24	120.00	988.80	
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash (including 5% wastage)	metre	21.35	98.00	2092.30	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	19.32	80.00	1545.60	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	21.35	95.00	2028.25	
7390	EPDM Gasket for uPVC door/door (including 5% wastage)	metre	42.70	16.00	683.20	
8773	Wool pile/ weather pile strip for uPVC sliding door (including 5% wastage)	metre	37.99	22.00	835.78	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	6.30	40.00	252.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	18.00	76.00	1368.00	
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each	2.00	1765.00	3530.00	
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	118.00	708.00	
8646	Weather Silicone sealant	each	3.67	125.00	458.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	5.67	609.00	3453.03	
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	5.67	882.00	5000.94	
	TOTAL				39436.32	W
	Add 1 % Water charges on “W”				394.36	
	TOTAL				39830.68	X
	Add GST on “X” (multiplying factor 0.2127)				8471.99	
	TOTAL				48302.67	Y
	Add 15% CPOH on “Y”				7245.40	
	TOTAL				55548.07	Z
	Add Cess @ 1% on “Z”				555.48	
	Cost of 5.67 sqm				56103.55	
	Cost of 1.00 sqm				9894.81	
	Say				9894.80	

9.147.B4 Three track three panels sliding door with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handle on two panels along with multi-point locking system, adjustable nylon rollers with SS 304 body.

9.147.B4.1 Using R3 series with frame (98mm & above) x (40mm & above) & sash (30mm & above) x (74mm & above). (Height upto 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC sliding door size 2.7 m x 2.1 m = 5.67 sqm.					
	MATERIAL					
8159	uPVC extruded range R3 three track sliding window/door frame size (98mm & above) x (40mm & above) (including 5% wastage)	metre	10.08	431.00	4344.48	
8161	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash range R3 size (30mm & above) x (74mm & above) (including 5% wastage)	metre	18.55	361.00	6696.55	
8163	uPVC extruded interlock / inline adaptor of appropriate dimension for range R3 sliding window/ door sash (including 5% wastage)	metre	8.47	110.00	931.70	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8164	uPVC extruded glazing bead of appropriate dimension for range R3 of sliding window/ door sash (including 5% wastage)	metre	16.81	90.00	1512.90	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	19.32	80.00	1545.60	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	16.81	95.00	1596.95	
7390	EPDM Gasket for uPVC door/door (including 5% wastage)	metre	33.63	16.00	538.08	
8773	Wool pile/ weather pile strip for uPVC sliding door (including 5% wastage)	metre	28.64	22.00	630.08	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	8.19	40.00	327.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	18.00	76.00	1368.00	
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each	2.00	1765.00	3530.00	
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	118.00	708.00	
8646	Weather Silicone sealant	each	3.67	125.00	458.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	5.67	609.00	3453.03	
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	5.67	882.00	5000.94	
	TOTAL				33028.56	W
	Add 1 % Water charges on “W”				330.29	
	TOTAL				33358.85	X
	Add GST on “X” (multiplying factor 0.2127)				7095.43	
	TOTAL				40454.28	Y
	Add 15% CPOH on “Y”				6068.14	
	TOTAL				46522.42	Z
	Add Cess @ 1% on “Z”				465.22	
	Cost of 5.67 sqm				46987.64	
	Cost of 1.00 sqm				8287.06	
	Say				8287.05	

9.147.B4.2 Using R4 series with frame (115mm & above) x (45mm & above) & sash (44mm & above) x (85mm & above). (Height above 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC sliding door size 3 m x 2.7 m = 8.10 sqm.					
	MATERIAL					
8136	uPVC extruded range R4 three track sliding window/door frame size (115mm & above) x (45mm & above) (including 5% wastage)	metre	11.97	628.00	7517.16	
8143	uPVC extruded range R4 sliding door sash size (44mm & above) x (85mm & above) (including 5% wastage)	metre	22.98	423.00	9720.54	
8141	uPVC extruded range R4 interlock of appropriate dimension for sliding window/ door sash (including 5% wastage)	metre	10.99	120.00	1318.80	
8132	uPVC extruded glazing bead of appropriate dimension for range R4 of sliding window/ door sash (including 5% wastage)	metre	21.22	98.00	2079.56	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	23.10	80.00	1848.00	
3994	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for sliding window/ door sash (including 5% wastage)	metre	21.22	95.00	2015.90	
7390	EPDM Gasket for uPVC door/door (including 5% wastage)	metre	42.44	16.00	679.04	
8773	Wool pile/ weather pile strip for uPVC sliding door (including 5% wastage)	metre	34.94	22.00	768.68	
8772	Aluminium Track on bottom rail for uPVC window (including 5% wastage)	metre	9.14	40.00	365.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	22.00	76.00	1672.00	
8119	Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door	each	2.00	1765.00	3530.00	
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	118.00	708.00	
8646	Weather Silicone sealant	each	4.35	125.00	543.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded sliding doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	8.10	609.00	4932.90	
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	8.10	882.00	7144.20	
	TOTAL				45230.03	W
	Add 1 % Water charges on “W”				452.30	
	TOTAL				45682.33	X
	Add GST on “X” (multiplying factor 0.2127)				9716.63	
	TOTAL				55398.96	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on “Y”				8309.84	
	TOTAL				63708.80	Z
	Add Cess @ 1% on “Z”				637.09	
	Cost of 8.10 sqm				64345.89	
	Cost of 1.00 sqm				7943.94	
	Say				7943.95	

9.147.C1 Fixed window / ventilator without mullion / transom.

9.147.C1.1 Using R1 series with frame (33mm & above) x (35mm & above). (Height upto 0.90 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 0.6 m x 0.9 m = 0.54 sqm.					
	MATERIAL					
8151	uPVC extruded range R1 casement window frame size (33mm & above) x (35mm & above) (including 5% wastage)	metre	3.15	195.00	614.25	
8153	uPVC extruded range R1 glazing bead of appropriate dimension (including 5% wastage)	metre	2.91	90.00	261.90	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	2.91	75.00	218.25	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	5.83	16.00	93.28	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	8.00	76.00	608.00	
8646	Weather Silicon sealant	each	1.15	125.00	143.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.54	609.00	328.86	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.54	882.00	476.28	
	TOTAL				3130.47	W
	Add 1 % Water charges on “W”				31.30	
	TOTAL				3161.77	X
	Add GST on “X” (multiplying factor 0.2127)				672.51	
	TOTAL				3834.28	Y
	Add 15% CPOH on “Y”				575.14	
	TOTAL				4409.42	Z
	Add Cess @ 1% on “Z”				44.09	
	Cost of 0.54 sqm				4453.51	
	Cost of 1.00 sqm				8247.24	
	Say				8247.25	

9.147.C1.2 Using R2 series with frame (39mm & above) x (39mm & above). (Height upto 1.2 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 0.6 m x 1.2 m = 0.72 sqm.					
	MATERIAL					
8121	uPVC extruded range R2 casement window frame size (39mm & above) x (39mm & above) (including 5% wastage)	metre	3.78	224.00	846.72	
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window (including 5% wastage)	metre	3.54	130.00	460.20	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	3.54	75.00	265.50	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	7.09	16.00	113.44	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8646	Weather Silicone sealant	each	1.37	125.00	171.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR				0.00	
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.72	609.00	438.48	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.72	882.00	635.04	
	TOTAL				4076.53	W
	Add 1 % Water charges on “W”				40.77	
	TOTAL				4117.30	X
	Add GST on “X” (multiplying factor 0.2127)				875.75	
	TOTAL				4993.05	Y
	Add 15% CPOH on “Y”				748.96	
	TOTAL				5742.01	Z
	Add Cess @ 1% on “Z”				57.42	
	Cost of 0.72 sqm				5799.43	
	Cost of 1.00 sqm				8054.76	
	Say				8054.75	

9.147.C1.3 Using R3 series with frame (55mm & above) x (45mm & above). (Height upto 2.5 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 0.7 m x 1.5 m = 1.05 sqm.					
	MATERIAL					
8165	uPVC extruded range R3 casement window frame size (55mm & above) x (45mm & above) (including 5% wastage)	metre	4.62	276.00	1275.12	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	4.36	124.00	540.64	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	4.36	80.00	348.80	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	8.72	16.00	139.52	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8646	Weather Silicone sealant	each	1.68	125.00	210.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.05	609.00	639.45	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.05	882.00	926.10	
	TOTAL				5225.53	W
	Add 1 % Water charges on “W”				52.26	
	TOTAL				5277.79	X
	Add GST on “X” (multiplying factor 0.2127)				1122.59	
	TOTAL				6400.38	Y
	Add 15% CPOH on “Y”				960.06	
	TOTAL				7360.44	Z
	Add Cess @ 1% on “Z”				73.60	
	Cost of 1.05 sqm				7434.04	
	Cost of 1.00 sqm				7080.04	
	Say				7080.05	

9.147.C1.4 Using R4 series with frame (64mm & above) x (50mm & above). (Height above 2.5 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 0.9 m x 2.7 m = 2.43 sqm.					
	MATERIAL					
8126	uPVC extruded range R4 casement window frame size (64mm & above) x (50mm & above) (including 5% wastage)	metre	7.56	385.00	2910.60	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/door (including 5% wastage)	metre	7.27	160.00	1163.20	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	7.27	80.00	581.60	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	14.53	16.00	232.48	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8646	Weather Silicone sealant	each	2.75	125.00	343.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.43	609.00	1479.87	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.43	882.00	2143.26	
	TOTAL				10304.66	W
	Add 1 % Water charges on “W”				103.05	
	TOTAL				10407.71	X
	Add GST on “X” (multiplying factor 0.2127)				2213.72	
	TOTAL				12621.43	Y
	Add 15% CPOH on “Y”				1893.21	
	TOTAL				14514.64	Z
	Add Cess @ 1% on “Z”				145.15	
	Cost of 2.43 sqm				14659.79	
	Cost of 1.00 sqm				6032.84	
	Say				6032.85	

9.147.C2 Fixed window / ventilator with mullion / transom.

9.147.C2.1 Using R1 series with frame (33mm & above) x (35mm & above) & mullion (33mm & above) x (50mm & above). (Height upto 0.90 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 0.6 m x 0.9 m = 0.54 sqm.					
	MATERIAL					
8151	uPVC extruded range R1 casement window frame size (33mm & above) x (35mm & above) (including 5% wastage)	metre	3.15	195.00	614.25	
8152	uPVC extruded range R1 casement window sash/window mullion size (33mm & above) x (50mm & above) (including 5% wastage)	metre	0.57	295.00	168.15	
8153	uPVC extruded range R1 glazing bead of appropriate dimension (including 5% wastage)	metre	4.00	90.00	360.00	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	3.49	75.00	261.75	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	8.01	16.00	128.16	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	8.00	76.00	608.00	
8646	Weather Silicone sealant	each	1.15	125.00	143.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.54	609.00	328.86	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.54	882.00	476.28	
	TOTAL				3475.10	W
	Add 1 % Water charges on “W”				34.75	
	TOTAL				3509.85	X
	Add GST on “X” (multiplying factor 0.2127)				746.55	
	TOTAL				4256.40	Y
	Add 15% CPOH on “Y”				638.46	
	TOTAL				4894.86	Z
	Add Cess @ 1% on “Z”				48.95	
	Cost of 0.54 sqm				4943.81	
	Cost of 1.00 sqm				9155.20	
	Say				9155.20	

9.147.C2.2 Using R2 series with frame (39mm & above) x (39mm & above) & mullion (39mm & above) x (60mm & above). (Height upto 1.2 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 0.6 m x 1.2 m = 0.72 sqm.					
	MATERIAL					
8121	uPVC extruded range R2 casement window frame size (39mm & above) x (39mm & above) (including 5% wastage)	metre	3.78	224.00	846.72	
8122	uPVC extruded range R2 casement window sash/window mullion size (39mm & above) x (60mm & above) (including 5% wastage)	metre	0.57	248.00	141.36	
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window (including 5% wastage)	metre	4.62	130.00	600.60	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	4.12	75.00	309.00	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	9.24	16.00	147.84	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8646	Weather Silicone sealant	each	1.37	125.00	171.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.72	609.00	438.48	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.72	882.00	635.04	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				4436.19	W
	Add 1 % Water charges on “W”				44.36	
	TOTAL				4480.55	X
	Add GST on “X” (multiplying factor 0.2127)				953.01	
	TOTAL				5433.56	Y
	Add 15% CPOH on “Y”				815.03	
	TOTAL				6248.59	Z
	Add Cess @ 1% on “Z”				62.49	
	Cost of 0.72 sqm				6311.08	
	Cost of 1.00 sqm				8765.39	
	Say				8765.40	

9.147.C2.3 Using R3 series with frame (55mm & above) x (45mm & above) & mullion (55mm & above) x (65mm & above). (Height upto 2.5 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 0.7 m x 1.5 m = 1.05 sqm.					
	MATERIAL					
8165	uPVC extruded range R3 casement window frame size (55mm & above) x (45mm & above) (including 5% wastage)	metre	4.62	276.00	1275.12	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	0.67	448.00	300.16	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/door (including 5% wastage)	metre	5.63	124.00	698.12	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	5.03	80.00	402.40	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	11.26	16.00	180.16	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8646	Weather Silicone sealant	each	1.68	125.00	210.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.05	609.00	639.45	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.05	882.00	926.10	
	TOTAL				5777.41	W
	Add 1 % Water charges on “W”				57.77	
	TOTAL				5835.18	X
	Add GST on “X” (multiplying factor 0.2127)				1241.14	
	TOTAL				7076.32	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on “Y”				1061.45	
	TOTAL				8137.77	Z
	Add Cess @ 1% on “Z”				81.38	
	Cost of 1.05 sqm				8219.15	
	Cost of 1.00 sqm				7827.76	
	Say				7827.75	

9.147.C2.4 Using R4 series with frame (64mm & above) x (50mm & above) & mullion (64mm & above) x (70mm & above). (Height above 2.5 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC fixed window size 0.9 m x 2.7 m = 2.43 sqm.					
	MATERIAL					
8126	uPVC extruded range R4 casement window frame size (64mm & above) x (50mm & above) (including 5% wastage)	metre	7.56	385.00	2910.60	
8128	uPVC extruded range R4 casement window sash/ window mullion/ door mullion size (64mm & above) x (70mm & above) (including 5% wastage)	metre	0.87	525.00	456.75	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/door (including 5% wastage)	metre	8.94	160.00	1430.40	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	8.14	80.00	651.20	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	17.88	16.00	286.08	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8646	Weather Silicone sealant	each	2.75	125.00	343.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.43	609.00	1479.87	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.43	882.00	2143.26	
	TOTAL				11151.81	W
	Add 1 % Water charges on “W”				111.52	
	TOTAL				11263.33	X
	Add GST on “X” (multiplying factor 0.2127)				2395.71	
	TOTAL				13659.04	Y
	Add 15% CPOH on “Y”				2048.86	
	TOTAL				15707.90	Z
	Add Cess @ 1% on “Z”				157.08	
	Cost of 2.43 sqm				15864.98	
	Cost of 1.00 sqm				6528.80	
	Say				6528.80	

9.147.D1 Ventilator Casement window single panel with or without fixed panel with S.S. 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zamak) powder coated handles.

9.147.D1.1 Using R1 series with frame (33mm & above) x (35mm & above) & sash /mullion (33mm & above) x (50 mm & above). (Height upto 0.90 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC window size 0.6 m x 0.9 m = 0.54 sqm.					
	MATERIAL					
8151	uPVC extruded range R1 casement window frame size (33mm & above) x (35mm & above) (including 5% wastage)	metre	3.15	195.00	614.25	
8152	uPVC extruded range R1 casement window sash/ window mullion size (33mm & above) x (50mm & above) (including 5% wastage)	metre	2.98	295.00	879.10	
8153	uPVC extruded range R1 glazing bead of appropriate dimension (including 5% wastage)	metre	2.60	90.00	234.00	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	5.52	75.00	414.00	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	11.17	16.00	178.72	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	8.00	76.00	608.00	
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	2.00	299.00	598.00	
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	150.00	150.00	
8646	Weather Silicone sealant	each	1.15	125.00	143.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.54	609.00	328.86	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.54	882.00	476.28	
	TOTAL				5010.86	W
	Add 1 % Water charges on “W”				50.11	
	TOTAL				5060.97	X
	Add GST on “X” (multiplying factor 0.2127)				1076.47	
	TOTAL				6137.44	Y
	Add 15% CPOH on “Y”				920.62	
	TOTAL				7058.06	Z
	Add Cess @ 1% on “Z”				70.58	
	Cost of 0.54 sqm				7128.64	
	Cost of 1.00 sqm				13201.19	
	Say				13201.20	

9.147.D1.2 Using R2 series with frame (39mm & above) x (39mm & above) & sash /mullion (39mm & above) x (60mm & above). (Height upto 1.2 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC window size 0.6 m x 1.2 m = 0.72 sqm.					
	MATERIAL					
8121	uPVC extruded range R2 casement window frame size (39mm & above) x (39mm & above) (including 5% wastage)	metre	3.78	224.00	846.72	
8122	uPVC extruded range R2 casement window sash/window mullion size (39mm & above) x (60mm & above) (including 5% wastage)	metre	3.54	248.00	877.92	
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window (including 5% wastage)	metre	4.20	130.00	546.00	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	7.27	75.00	545.25	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	15.48	16.00	247.68	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	2.00	299.00	598.00	
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	150.00	150.00	
8646	Weather Silicone sealant	each	1.37	125.00	171.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.72	609.00	438.48	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.72	882.00	635.04	
	TOTAL				6202.24	W
	Add 1 % Water charges on “W”				62.02	
	TOTAL				6264.26	X
	Add GST on “X” (multiplying factor 0.2127)				1332.41	
	TOTAL				7596.67	Y
	Add 15% CPOH on “Y”				1139.50	
	TOTAL				8736.17	Z
	Add Cess @ 1% on “Z”				87.36	
	Cost of 0.72 sqm				8823.53	
	Cost of 1.00 sqm				12254.90	
	Say				12254.90	

9.147.D1.3 Using R3 series with frame (55mm & above) x (45mm & above) & sash /mullion (55mm & above) x (65mm & above). (Height above 1.2 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC window size 0.7 m x 1.5 m = 1.05 sqm.					
	MATERIAL					
8165	uPVC extruded range R3 casement window frame size (55mm & above) x (45mm & above) (including 5% wastage)	metre	4.62	276.00	1275.12	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55 & above) x (65 & above) (including 5% wastage)	metre	4.50	448.00	2016.00	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	6.53	124.00	809.72	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	8.43	80.00	674.40	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	22.06	16.00	352.96	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	2.00	299.00	598.00	
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	150.00	150.00	
8646	Weather Silicone sealant	each	1.68	125.00	210.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.05	609.00	639.45	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.05	882.00	926.10	
	TOTAL				8797.65	W
	Add 1 % Water charges on “W”				87.98	
	TOTAL				8885.63	X
	Add GST on “X” (multiplying factor 0.2127)				1889.97	
	TOTAL				10775.60	Y
	Add 15% CPOH on “Y”				1616.34	
	TOTAL				12391.94	Z
	Add Cess @ 1% on “Z”				123.92	
	Cost of 1.05 sqm				12515.86	
	Cost of 1.00 sqm				11919.87	
	Say				11919.85	

9.147.E1 Casement window single panel with S.S. 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles.

9.147.E1.1 Using R2 series with frame (39mm & above) x (39mm & above) & sash (39mm & above) x (60mm & above). (Height upto 1.2 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 0.6 m x 1.2 m = 0.72 sqm.					
	MATERIAL					
8121	uPVC extruded range R2 casement window frame size (39mm & above) x (39mm & above) (including 5% wastage)	metre	3.78	224.00	846.72	
8122	uPVC extruded range R2 casement window sash/ window mullion size (39mm & above) x (60mm & above) (including 5% wastage)	metre	3.60	248.00	892.80	
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window (including 5% wastage)	metre	3.16	130.00	410.80	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	6.70	75.00	502.50	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	13.52	16.00	216.32	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	2.00	299.00	598.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding/ casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	1.37	125.00	171.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.72	609.00	438.48	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.72	882.00	635.04	
	TOTAL				7312.81	W
	Add 1 % Water charges on “W”				73.13	
	TOTAL				7385.94	X
	Add GST on “X” (multiplying factor 0.2127)				1570.99	
	TOTAL				8956.93	Y
	Add 15% CPOH on “Y”				1343.54	
	TOTAL				10300.47	Z
	Add Cess @ 1% on “Z”				103.00	
	Cost of 0.72 sqm				10403.47	
	Cost of 1.00 sqm				14449.26	
	Say				14449.25	

9.147.E1.2 Using R3 series with frame (55mm & above) x (45mm & above) & sash (55mm & above) x (65mm & above). (Height upto 1.8 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 0.7 m x 1.5 m = 1.05 sqm.					
	MATERIAL					
8165	uPVC extruded range R3 casement window frame size (55mm & above) x (45mm & above) (including 5% wastage)	metre	4.62	276.00	1275.12	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	4.43	448.00	1984.64	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	4.00	124.00	496.00	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	8.36	80.00	668.80	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	16.85	16.00	269.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	405.00	810.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	1.68	125.00	210.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.05	609.00	639.45	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.05	882.00	926.10	
	TOTAL				9880.61	W
	Add 1 % Water charges on “W”				98.81	
	TOTAL				9979.42	X
	Add GST on “X” (multiplying factor 0.2127)				2122.62	
	TOTAL				12102.04	Y
	Add 15% CPOH on “Y”				1815.31	
	TOTAL				13917.35	Z
	Add Cess @ 1% on “Z”				139.17	
	Cost of 1.05 sqm				14056.52	
	Cost of 1.00 sqm				13387.16	
	Say				13387.15	

9.147.E1.3 Using R4 series with frame (64mm & above) x (50mm & above) & sash (64mm & above) x (70mm & above). (Height above 1.8 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 0.6 m x 2 m = 1.20 sqm.					
	MATERIAL					
8126	uPVC extruded range R4 casement window frame size (64mm & above) x (50mm & above) (including 5% wastage)	metre	5.46	385.00	2102.10	
8128	uPVC extruded range R4 casement window sash/ window mullion/ door mullion size (64mm & above) x (70mm & above) (including 5% wastage)	metre	5.22	525.00	2740.50	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/door (including 5% wastage)	metre	4.76	160.00	761.60	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	9.93	80.00	794.40	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	19.05	16.00	304.80	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	405.00	810.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	1.99	125.00	248.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.20	609.00	730.80	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.20	882.00	1058.40	
	TOTAL				12304.25	W
	Add 1 % Water charges on “W”				123.04	
	TOTAL				12427.29	X
	Add GST on “X” (multiplying factor 0.2127)				2643.28	
	TOTAL				15070.57	Y
	Add 15% CPOH on “Y”				2260.59	
	TOTAL				17331.16	Z
	Add Cess @ 1% on “Z”				173.31	
	Cost of 1.20 sqm				17504.47	
	Cost of 1.00 sqm				14587.06	
	Say				14587.05	

9.147.E2 Casement window double panels with fixed mullion with S.S. 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles.

9.147.E2.1 Using R2 series with frame (39mm & above) x (39mm & above) & sash (39mm & above) x (60mm & above) & mullion (39mm & above) x (60mm & above). (Height upto 1.2 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 1.2 m x 1.2 m = 1.44 sqm.					
	MATERIAL					
8121	uPVC extruded range R2 casement window frame size (39mm & above) x (39mm & above) (including 5% wastage)	metre	5.04	224.00	1128.96	
8122	uPVC extruded range R2 casement window sash/ window mullion size (39mm & above) x (60mm & above) (including 5% wastage)	metre	8.47	248.00	2100.56	
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window (including 5% wastage)	metre	6.36	130.00	826.80	
3991	Galvanized iron reinforcement of minimun thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	12.37	75.00	927.75	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	29.66	16.00	474.56	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	4.00	299.00	1196.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8646	Weather Silicone sealant	each	1.83	125.00	228.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.44	609.00	876.96	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.44	882.00	1270.08	
	TOTAL				13238.32	W
	Add 1 % Water charges on “W”				132.38	
	TOTAL				13370.70	X
	Add GST on “X” (multiplying factor 0.2127)				2843.95	
	TOTAL				16214.65	Y
	Add 15% CPOH on “Y”				2432.20	
	TOTAL				18646.85	Z
	Add Cess @ 1% on “Z”				186.47	
	Cost of 1.44 sqm				18833.32	
	Cost of 1.00 sqm				13078.69	
	Say				13078.70	

9.147.E2.2 Using R3 series with frame (55mm & above) x (45mm & above) & sash (55mm & above) x (65mm & above) & mullion (55mm & above) x (65mm & above). (Height upto 1.8 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 1.4 m x 1.5 m = 2.10 sqm.					
	MATERIAL					
8165	uPVC extruded range R3 casement window frame size (55mm & above) x (45mm & above) (including 5% wastage)	metre	6.09	276.00	1680.84	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	10.43	448.00	4672.64	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	8.06	124.00	999.44	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	15.40	80.00	1232.00	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	36.97	16.00	591.52	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	4.00	405.00	1620.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8646	Weather Silicone sealant	each	2.21	125.00	276.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.10	609.00	1278.90	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.10	882.00	1852.20	
	TOTAL				18411.69	W
	Add 1 % Water charges on “W”				184.12	
	TOTAL				18595.81	X
	Add GST on “X” (multiplying factor 0.2127)				3955.33	
	TOTAL				22551.14	Y
	Add 15% CPOH on “Y”				3382.67	
	TOTAL				25933.81	Z
	Add Cess @ 1% on “Z”				259.34	
	Cost of 2.10 sqm				26193.15	
	Cost of 1.00 sqm				12472.93	
	Say				12472.95	

9.147.E2.3 Using R4 series with frame (64mm & above) x (50mm & above) & sash (64mm & above) x (70mm & above) & mullion (64mm & above) x (70mm & above). (Height above 1.8 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 1.2 m x 2 m = 2.40 sqm.					
	MATERIAL					
8126	uPVC extruded range R4 casement window frame size (64mm & above) x (50mm & above) (including 5% wastage)	metre	6.72	385.00	2587.20	
8128	uPVC extruded range R4 casement window sash/ window mullion/ door mullion size (64mm & above) x (70mm & above) (including 5% wastage)	metre	12.56	525.00	6594.00	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/ door (including 5% wastage)	metre	9.61	160.00	1537.60	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	18.06	80.00	1444.80	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	44.32	16.00	709.12	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	4.00	405.00	1620.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8646	Weather Silicone sealant	each	2.44	125.00	305.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.40	609.00	1461.60	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.40	882.00	2116.80	
	TOTAL				22736.02	W
	Add 1 % Water charges on “W”				227.36	
	TOTAL				22963.38	X
	Add GST on “X” (multiplying factor 0.2127)				4884.31	
	TOTAL				27847.69	Y
	Add 15% CPOH on “Y”				4177.15	
	TOTAL				32024.84	Z
	Add Cess @ 1% on “Z”				320.25	
	Cost of 2.40 sqm				32345.09	
	Cost of 1.00 sqm				13477.12	
	Say				13477.10	

9.147.E3 Casement window double panels with French (False) Mullion with S.S. 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles.

9.147.E3.1 Using R2 series with frame (39mm & above) x (39mm & above) & sash (39mm & above) x (60mm & above) & French (False) mullion (39mm & above) x (60mm & above). (Height upto 1.2 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 1.2 m x 1.2 m = 1.44 sqm.					
	MATERIAL					
8121	uPVC extruded range R2 casement window frame size (39mm & above) x (39mm & above) (including 5% wastage)	metre	5.04	224.00	1128.96	
8122	uPVC extruded range R2 casement window sash/ window mullion size (39mm & above) x (60mm & above) (including 5% wastage)	metre	7.25	248.00	1798.00	
8156	uPVC extruded range R2 Casement french mullion size (39mm & above) x (60mm & above) (including 5% wastage)	metre	1.22	342.00	417.24	
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window (including 5% wastage)	metre	6.36	130.00	826.80	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	12.37	75.00	927.75	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	27.22	16.00	435.52	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	4.00	299.00	1196.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	1.83	125.00	228.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.44	609.00	876.96	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.44	882.00	1270.08	
	TOTAL				11858.96	W
	Add 1 % Water charges on “W”				118.59	
	TOTAL				11977.55	X
	Add GST on “X” (multiplying factor 0.2127)				2547.62	
	TOTAL				14525.17	Y
	Add 15% CPOH on “Y”				2178.78	
	TOTAL				16703.95	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z"				167.04	
	Cost of 1.44 sqm				16870.99	
	Cost of 1.00 sqm				11715.97	
	Say				11715.95	

9.147.E3.2 Using R3 series with frame (55mm & above) x (45mm & above) & sash (55mm & above) x (65mm & above) & French (False) mullion (55mm & above) x (60mm & above). (Height upto 1.8 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 1.4 m x 1.5 m = 2.10 sqm.					
	MATERIAL					
8165	uPVC extruded range R3 casement window frame size (55mm & above) x (45mm & above) (including 5% wastage)	metre	6.09	276.00	1680.84	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	8.92	448.00	3996.16	
8171	uPVC extruded range R3 Casement french mullion size (55mm & above) x (60mm & above) (including 5% wastage)	metre	1.51	460.00	694.60	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/door (including 5% wastage)	metre	8.06	124.00	999.44	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	15.40	80.00	1232.00	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	33.95	16.00	543.20	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9mm for uPVC window	each	4.00	405.00	1620.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	2.21	125.00	276.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.10	609.00	1278.90	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.10	882.00	1852.20	
	TOTAL				16926.49	W
	Add 1 % Water charges on "W"				169.26	
	TOTAL				17095.75	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				3636.27	
	TOTAL				20732.02	Y
	Add 15% CPOH on “Y”				3109.80	
	TOTAL				23841.82	Z
	Add Cess @ 1% on “Z”				238.42	
	Cost of 2.10 sqm				24080.24	
	Cost of 1.00 sqm				11466.78	
	Say				11466.80	

9.147.E3.3 Using R4 series with frame (64mm & above) x (50mm & above) & sash (64mm & above) x (70mm & above) & French (False) mullion (64mm & above) x (60mm & above) . (Height above 1.8 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 1.2 m x 2 m = 2.40 sqm.					
	MATERIAL					
8126	uPVC extruded range R4 casement window frame size (64mm & above) x (50mm & above) (including 5% wastage)	metre	6.72	385.00	2587.20	
8128	uPVC extruded range R4 casement window sash/ window mullion/ door mullion size (64mm & above) x (70mm & above) (including 5% wastage)	metre	10.53	525.00	5528.25	
8173	uPVC extruded range R4 Casement french mullion size (64mm & above) x (60mm & above) (including 5% wastage)	metre	2.04	495.00	1009.80	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/door (including 5% wastage)	metre	9.59	160.00	1534.40	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	17.12	80.00	1369.60	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	40.24	16.00	643.84	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9mm for uPVC window	each	4.00	405.00	1620.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	2.44	125.00	305.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.40	609.00	1461.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.40	882.00	2116.80	
	TOTAL				21081.39	W
	Add 1 % Water charges on “W”				210.81	
	TOTAL				21292.20	X
	Add GST on “X” (multiplying factor 0.2127)				4528.85	
	TOTAL				25821.05	Y
	Add 15% CPOH on “Y”				3873.16	
	TOTAL				29694.21	Z
	Add Cess @ 1% on “Z”				296.94	
	Cost of 2.40 sqm				29991.15	
	Cost of 1.00 sqm				12496.31	
	Say				12496.30	

9.147.E4 Casement cum fixed panel window having one single casement panel & one fixed panel with S.S 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles.

9.147.E4.1 Using R2 series with frame (39mm & above) x (39mm & above) & sash (39mm & above) x (60mm & above) & mullion (39mm & above) x (60mm & above). (Height upto 1.2 metre; each openable shutter upto 0.8m width)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement cum fixed window size 1.2 m x 1.2 m = 1.44 sqm.					
	MATERIAL					
8121	uPVC extruded range R2 casement window frame size (39mm & above) x (39mm & above) (including 5% wastage)	metre	5.04	224.00	1128.96	
8122	uPVC extruded range R2 casement window sash/window mullion size (39mm & above) x (60mm & above) (including 5% wastage)	metre	4.83	248.00	1197.84	
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window (including 5% wastage)	metre	6.75	130.00	877.50	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	9.19	75.00	689.25	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	23.15	16.00	370.40	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	2.00	299.00	598.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	1.83	125.00	228.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR				0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.44	609.00	876.96	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.44	882.00	1270.08	
	TOTAL				9990.64	W
	Add 1 % Water charges on “W”				99.91	
	TOTAL				10090.55	X
	Add GST on “X” (multiplying factor 0.2127)				2146.26	
	TOTAL				12236.81	Y
	Add 15% CPOH on “Y”				1835.52	
	TOTAL				14072.33	Z
	Add Cess @ 1% on “Z”				140.72	
	Cost of 1.44 sqm				14213.05	
	Cost of 1.00 sqm				9870.17	
	Say				9870.15	

9.147.E4.2 Using R3 series with frame (55mm & above) x (45mm & above) & sash (55mm & above) x (65mm & above) & mullion (55mm & above) x (65mm & above). (Height upto 1.8 metre; each openable shutter upto 0.8m width)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement cum fixed window size 1.4 m x 1.5 m = 2.10 sqm.					
	MATERIAL					
8165	uPVC extruded range R3 casement window frame size (55mm & above) x (45mm & above) (including 5% wastage)	metre	6.09	276.00	1680.84	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	5.97	448.00	2674.56	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	8.42	124.00	1044.08	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	11.37	80.00	909.60	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	28.78	16.00	460.48	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	405.00	810.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	2.21	125.00	276.25	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.10	609.00	1278.90	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.10	882.00	1852.20	
	TOTAL				13739.81	W
	Add 1 % Water charges on “W”				137.40	
	TOTAL				13877.21	X
	Add GST on “X” (multiplying factor 0.2127)				2951.68	
	TOTAL				16828.89	Y
	Add 15% CPOH on “Y”				2524.33	
	TOTAL				19353.22	Z
	Add Cess @ 1% on “Z”				193.53	
	Cost of 2.10 sqm				19546.75	
	Cost of 1.00 sqm				9307.98	
	Say				9308.00	

9.147.E4.3 Using R4 series with frame (64mm & above) x (50mm & above) & sash (64mm & above) x (70mm & above) & mullion (64mm & above) x (70mm & above). (Height above 1.8 metre; each openable shutter upto 0.8m width)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement cum fixed window size 1.2 m x 2 m = 2.40 sqm.					
	MATERIAL					
8126	uPVC extruded range R4 casement window frame size (64mm & above) x (50mm & above) (including 5% wastage)	metre	6.72	385.00	2587.20	
8128	uPVC extruded range R4 casement window sash/ window mullion/ door mullion size (64mm & above) x (70mm & above) (including 5% wastage)	metre	7.29	525.00	3827.25	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/ door (including 5% wastage)	metre	10.01	160.00	1601.60	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	13.26	80.00	1060.80	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	34.60	16.00	553.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	405.00	810.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	2.44	125.00	305.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.40	609.00	1461.60	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.40	882.00	2116.80	
	TOTAL				17228.75	W
	Add 1 % Water charges on “W”				172.29	
	TOTAL				17401.04	X
	Add GST on “X” (multiplying factor 0.2127)				3701.20	
	TOTAL				21102.24	Y
	Add 15% CPOH on “Y”				3165.34	
	TOTAL				24267.58	Z
	Add Cess @ 1% on “Z”				242.68	
	Cost of 2.40 sqm				24510.26	
	Cost of 1.00 sqm				10212.61	
	Say				10212.60	

9.147.E5 Casement cum fixed panel window having single casement panel at both ends & middle fixed panel with S.S 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles.

9.147.E5.1 Using R2 series with frame (39mm & above) x (39mm & above) & sash (39mm & above) x (60mm & above) & mullion (39mm & above) x (60mm & above). (Height upto 1.2 metre; each openable shutter upto 0.8m width)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement cum fixed window size 1.8 m x 1.2 m = 2.16 sqm.					
	MATERIAL					
8121	uPVC extruded range R2 casement window frame size (39mm & above) x (39mm & above) (including 5% wastage)	metre	6.30	224.00	1411.20	
8122	uPVC extruded range R2 casement window sash/ window mullion size (39mm & above) x (60mm & above) (including 5% wastage)	metre	9.66	248.00	2395.68	
8125	uPVC extruded glazing bead of appropriate dimension for range R2 casement window (including 5% wastage)	metre	9.95	130.00	1293.50	
3991	Galvanized iron reinforcement of minimum thickness 1.5mm for range R1 and R2 for casement frame/ window sash/ mullion and sliding frame/ window sash (including 5% wastage)	metre	14.83	75.00	1112.25	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	39.22	16.00	627.52	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	4.00	299.00	1196.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8646	Weather Silicone sealant	each	2.29	125.00	286.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.16	609.00	1315.44	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.16	882.00	1905.12	
	TOTAL				15902.86	W
	Add 1 % Water charges on “W”				159.03	
	TOTAL				16061.89	X
	Add GST on “X” (multiplying factor 0.2127)				3416.36	
	TOTAL				19478.25	Y
	Add 15% CPOH on “Y”				2921.74	
	TOTAL				22399.99	Z
	Add Cess @ 1% on “Z”				224.00	
	Cost of 2.16 sqm				22623.99	
	Cost of 1.00 sqm				10474.07	
	Say				10474.05	

9.147.E5.2 Using R3 series with frame (55mm & above) x (45mm & above) & sash (55mm & above) x (65mm & above) & mullion (55mm & above) x (65mm & above). (Height upto 1.8 metre; each openable shutter upto 0.8m width)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement cum fixed window size 2.1 m x 1.5 m = 3.15 sqm.					
	MATERIAL					
8165	uPVC extruded range R3 casement window frame size (55mm & above) x (45mm & above) (including 5% wastage)	metre	7.56	276.00	2086.56	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	11.94	448.00	5349.12	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	12.48	124.00	1547.52	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	18.38	80.00	1470.40	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	48.84	16.00	781.44	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9mm for uPVC window	each	4.00	405.00	1620.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8646	Weather Silicone sealant	each	2.75	125.00	343.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	3.15	609.00	1918.35	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	3.15	882.00	2778.30	
	TOTAL				22255.34	W
	Add 1 % Water charges on “W”				222.55	
	TOTAL				22477.89	X
	Add GST on “X” (multiplying factor 0.2127)				4781.05	
	TOTAL				27258.94	Y
	Add 15% CPOH on “Y”				4088.84	
	TOTAL				31347.78	Z
	Add Cess @ 1% on “Z”				313.48	
	Cost of 3.15 sqm				31661.26	
	Cost of 1.00 sqm				10051.19	
	Say				10051.20	

9.147.E5.3 Using R4 series with frame (64mm & above) x (50mm & above) & sash (64mm & above) x (70mm & above) & mullion (64mm & above) x (70mm & above). (Height above 1.8 metre; each openable shutter upto 0.8m width)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement cum fixed window size 2 m x 2 m = 4.00 sqm.					
	MATERIAL					
8126	uPVC extruded range R4 casement window frame size (64mm & above) x (50mm & above) (including 5% wastage)	metre	8.40	385.00	3234.00	
8128	uPVC extruded range R4 casement window sash/window mullion/door mullion size (64mm & above) x (70mm & above) (including 5% wastage)	metre	14.86	525.00	7801.50	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/ door (including 5% wastage)	metre	15.26	160.00	2441.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	22.04	80.00	1763.20	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	60.24	16.00	963.84	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	16.00	76.00	1216.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9mm for uPVC window	each	4.00	405.00	1620.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8646	Weather Silicone sealant	each	3.05	125.00	381.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.00	609.00	2436.00	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	4.00	882.00	3528.00	
	TOTAL				28681.29	W
	Add 1 % Water charges on “W”				286.81	
	TOTAL				28968.10	X
	Add GST on “X” (multiplying factor 0.2127)				6161.51	
	TOTAL				35129.61	Y
	Add 15% CPOH on “Y”				5269.44	
	TOTAL				40399.05	Z
	Add Cess @ 1% on “Z”				403.99	
	Cost of 4.00 sqm				40803.04	
	Cost of 1.00 sqm				10200.76	
	Say				10200.75	

9.147.E6 Casement Window with Double Rebate Frame with one Side Hung Glazed Panel and one Side Hung wire mesh Panel with S.S. 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles on both glazed and fly screen panel

9.147.E6.1 Using R3 series with frame (110mm & above) x (45mm & above) & glazed sash (55mm & above) x (65mm & above) & fly screen sash (30mm & above) x (55mm & above) & metal grill (if required to be paid separately). (Height upto 1.8 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 0.7 m x 1.5 m = 1.05 sqm.					
	MATERIAL					
8167	uPVC extruded range R3 Casement double rebate frame size (110mm & above) x (45mm & above) (including 5% wastage)	metre	4.62	695.00	3210.90	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	4.43	448.00	1984.64	
8170	uPVC extruded range R3 casement window fly screen sash size (30mm & above) x (55mm & above) (including 5% wastage)	metre	4.43	236.00	1045.48	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	8.00	124.00	992.00	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	16.72	80.00	1337.60	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	49.69	16.00	795.04	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	10.00	76.00	760.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	4.00	405.00	1620.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8646	Weather Silicone sealant	each	1.68	125.00	210.00	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.05	609.00	639.45	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	1.05	882.00	926.10	
	TOTAL				16817.11	W
	Add 1 % Water charges on “W”				168.17	
	TOTAL				16985.28	X
	Add GST on “X” (multiplying factor 0.2127)				3612.77	
	TOTAL				20598.05	Y
	Add 15% CPOH on “Y”				3089.71	
	TOTAL				23687.76	Z
	Add Cess @ 1% on “Z”				236.88	
	Cost of 1.05 sqm				23924.64	
	Cost of 1.00 sqm				22785.37	
	Say				22785.35	

9.147.E7 Casement Window with Double Rebate Frame with two Side Hung Glazed Panel and two Side Hung wire mesh Panel and Fixed Mullion with S.S. 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles on both glazed and fly screen panel.

9.147.E7.1 Using R3 series with frame (110mm & above) x (45mm & above) & glazed sash (55mm & above) x (65mm & above) & fly screen sash (30mm & above) x (55mm & above) & mullion (55mm & above) x (65mm & above) & metal grill (if required to be paid separately). (Height upto 1.8 metre)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 1.4 m x 1.5 m = 2.10 sqm.					
	MATERIAL					
8167	uPVC extruded range R3 Casement double rebate frame size (110mm & above) x (45mm & above) (including 5% wastage)	metre	6.09	695.00	4232.55	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	10.43	448.00	4672.64	
8170	uPVC extruded range R3 casement window fly screen sash size (30mm & above) x (55mm & above) (including 5% wastage)	metre	8.92	236.00	2105.12	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	16.12	124.00	1998.88	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	30.80	80.00	2464.00	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	70.93	16.00	1134.88	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	8.00	405.00	3240.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	4.00	1455.00	5820.00	
8646	Weather Silicone sealant	each	2.21	125.00	276.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.10	609.00	1278.90	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.10	882.00	1852.20	
	TOTAL				30373.32	W
	Add 1 % Water charges on “W”				303.73	
	TOTAL				30677.05	X
	Add GST on “X” (multiplying factor 0.2127)				6525.01	
	TOTAL				37202.06	Y
	Add 15% CPOH on “Y”				5580.31	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				42782.37	Z
	Add Cess @ 1% on "Z"				427.82	
	Cost of 2.10 sqm				43210.19	
	Cost of 1.00 sqm				20576.28	
	Say				20576.30	

9.147.E8 Casement Window with Double Rebate Frame with two Side Hung Glazed Panel on outside and two Side Hung wire mesh Panel on inside and French (False) Mullion with S.S. 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles with shoot bolt on both glazed and fly screen panel.

9.147.E8.1 Using R3 series with frame (110mm & above) x (45mm & above) & glazed sash (55mm & above) x (65mm & above) & fly screen sash (30mm & above) x (55mm & above) & French (False) mullion (55mm & above) x (60mm & above) & metal grill (if required to be paid separately). (Height upto 1.8 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement window size 1.4 m x 1.5 m = 2.10 sqm.					
	MATERIAL					
8167	uPVC extruded range R3 Casement double rebate frame size (110mm & above) x (45mm & above) (including 5% wastage)	metre	6.09	695.00	4232.55	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	8.92	448.00	3996.16	
8171	uPVC extruded range R3 Casement french mullion size (55mm & above) x (60mm & above) (including 5% wastage)	metre	3.02	460.00	1389.20	
8170	uPVC extruded range R3 casement window fly screen sash size (30mm & above) x (55mm & above) (including 5% wastage)	metre	8.92	236.00	2105.12	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	16.05	124.00	1990.20	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	30.80	80.00	2464.00	
7390	EPDM Gasket for uPVC window (including 5% wastage)	metre	67.77	16.00	1084.32	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	8.00	405.00	3240.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	2.00	1455.00	2910.00	
8646	Weather Silicone sealant	each	2.21	125.00	276.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0162	Labour for fabrication of uPVC extruded fixed windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.10	609.00	1278.90	
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	2.10	882.00	1852.20	
	TOTAL				28116.80	W
	Add 1 % Water charges on “W”				281.17	
	TOTAL				28397.97	X
	Add GST on “X” (multiplying factor 0.2127)				6040.25	
	TOTAL				34438.22	Y
	Add 15% CPOH on “Y”				5165.73	
	TOTAL				39603.95	Z
	Add Cess @ 1% on “Z”				396.04	
	Cost of 2.10 sqm				39999.99	
	Cost of 1.00 sqm				19047.61	
	Say				19047.60	

9.147.F1 Casement door single panel with zinc alloy (zamak) 3D hinges, multi-point locking system with cylinder, zinc alloy (zamak) powder coated handles on both sides.

9.147.F1.1 Using R3 series with frame (55 mm & above) x (50mm & above) & sash (55 mm & above) x (85mm & above) (Height upto 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement door size 0.9 m x 2.1 m = 1.89 sqm.					
	MATERIAL					
8166	uPVC extruded range R3 casement door frame size (55mm & above) x (50mm & above) (including 5% wastage)	metre	6.30	344.00	2167.20	
8169	uPVC extruded range R3 casement door sash size (55mm & above) x (85mm & above) (including 5% wastage)	metre	6.03	543.00	3274.29	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	5.44	124.00	674.56	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	5.96	80.00	476.80	
3993	Galvanized iron reinforcement of minimum thickness 1.5mm for range R3 and R4 for casement door sash (including 5% wastage)	metre	5.44	105.00	571.20	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	22.94	16.00	367.04	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door`	each	3.00	546.00	1638.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	1.00	3030.00	3030.00	
8646	Weather Silicone sealant	each	2.29	125.00	286.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded casement/fixed windows/and door including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.89	609.00	1151.01	
0163	Labour for installation of uPVC extruded casement windows and doors including scaffolding	sqm	1.89	882.00	1666.98	
	TOTAL				16601.23	W
	Add 1 % Water charges on “W”				166.01	
	TOTAL				16767.24	X
	Add GST on “X” (multiplying factor 0.2127)				3566.39	
	TOTAL				20333.63	Y
	Add 15% CPOH on “Y”				3050.04	
	TOTAL				23383.67	Z
	Add Cess @ 1% on “Z”				233.84	
	Cost of 1.89 sqm				23617.51	
	Cost of 1.00 sqm				12496.04	
	Say				12496.05	

9.147.F1.2 Using R4 series with frame (64 mm & above) x (55mm & above) & sash (64 mm & above) x (100mm & above). (Height above 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement door size 0.9 m x 2.7 m = 2.43 sqm.					
	MATERIAL					
8127	uPVC extruded range R4 casement door frame size (64mm & above) x (55mm & above) (including 5% wastage)	metre	7.56	440.00	3326.40	
8129	uPVC extruded range R4 casement door sash size (64mm & above) x (100mm & above) (including 5% wastage)	metre	7.25	630.00	4567.50	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/door (including 5% wastage)	metre	6.54	160.00	1046.40	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	7.18	80.00	574.40	
3993	Galvanized iron reinforcement of minimum thickness 1.5mm for range R3 and R4 for casement door sash (including 5% wastage)	metre	6.54	105.00	686.70	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	27.57	16.00	441.12	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	14.00	76.00	1064.00	
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door`	each	4.00	546.00	2184.00	
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	1.00	3030.00	3030.00	
8646	Weather Silicone sealant	each	2.75	125.00	343.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded casement/fixed windows/and door including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.43	609.00	1479.87	
0163	Labour for installation of uPVC extruded casement windows and doors including scaffolding	sqm	2.43	882.00	2143.26	
	TOTAL				21273.30	W
	Add 1 % Water charges on “W”				212.73	
	TOTAL				21486.03	X
	Add GST on “X” (multiplying factor 0.2127)				4570.08	
	TOTAL				26056.11	Y
	Add 15% CPOH on “Y”				3908.42	
	TOTAL				29964.53	Z
	Add Cess @ 1% on “Z”				299.65	
	Cost of 2.43 sqm				30264.18	
	Cost of 1.00 sqm				12454.40	
	Say				12454.40	

9.147.F2 Casement door double panel with French (False) Mullion with zinc alloy (zamak) 3D hinges, multi-point locking system with cylinder, zinc alloy (zamak) powder coated handles on both sides.

9.147.F2.1 Using R3 series with frame (55 mm & above) x (50mm & above) & sash (55 mm & above) x (85mm & above) & French (False) mullion (55 mm & above) x (60mm & above). (Height upto 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement door size 1.8 m x 2.1 m = 3.78 sqm.					
	MATERIAL					
8166	uPVC extruded range R3 casement door frame size (55mm & above) x (50mm & above) (including 5% wastage)	metre	8.19	344.00	2817.36	
8169	uPVC extruded range R3 casement door sash size (55mm & above) x (85mm & above) (including 5% wastage)	metre	12.16	543.00	6602.88	
8171	uPVC extruded range R3 Casement french mullion size (55mm & above) x (60mm & above) (including 5% wastage)	metre	2.14	460.00	984.40	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	11.01	124.00	1365.24	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	7.85	80.00	628.00	
3993	Galvanized iron reinforcement of minimum thickness 1.5mm for range R3 and R4 for casement door sash (including 5% wastage)	metre	12.98	105.00	1362.90	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	46.35	16.00	741.60	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	16.00	76.00	1216.00	
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door`	each	6.00	546.00	3276.00	
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	2.00	3030.00	6060.00	
8646	Weather Silicone sealant	each	4.42	125.00	552.50	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded casement/ fixed windows/ and door including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	3.78	609.00	2302.02	
0163	Labour for installation of uPVC extruded casement windows and doors including scaffolding	sqm	3.78	882.00	3333.96	
	TOTAL				31628.76	W
	Add 1 % Water charges on “W”				316.29	
	TOTAL				31945.05	X
	Add GST on “X” (multiplying factor 0.2127)				6794.71	
	TOTAL				38739.76	Y
	Add 15% CPOH on “Y”				5810.96	
	TOTAL				44550.72	Z
	Add Cess @ 1% on “Z”				445.51	
	Cost of 3.78 sqm				44996.23	
	Cost of 1.00 sqm				11903.76	
	Say				11903.75	

9.147.F2.2 Using R4 series with frame (64 mm & above) x (55mm & above) & sash (64 mm & above) x (100mm & above) & French (False) mullion (64 mm & above) x (60mm & above). (Height above 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement door size 1.8 m x 2.7 m = 4.86 sqm.					
	MATERIAL					
8127	uPVC extruded range R4 casement door frame size (64mm & above) x (55mm & above) (including 5% wastage)	metre	9.45	440.00	4158.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8129	uPVC extruded range R4 casement door sash size (64mm & above) x (100mm & above) (including 5% wastage)	metre	14.62	630.00	9210.60	
8173	uPVC extruded range R4 Casement french mullion size (64mm & above) x (60mm & above) (including 5% wastage)	metre	2.76	495.00	1366.20	
8130	uPVC extruded range R4 glazing bead of appropriate dimension for casement window/ door (including 5% wastage)	metre	13.19	160.00	2110.40	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	14.55	80.00	1164.00	
3993	Galvanized iron reinforcement of minimum thickness 1.5mm for range R3 and R4 for casement door sash (including 5% wastage)	metre	13.19	105.00	1384.95	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	55.61	16.00	889.76	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	18.00	76.00	1368.00	
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door`	each	8.00	546.00	4368.00	
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	2.00	3030.00	6060.00	
8646	Weather Silicone sealant	each	5.31	125.00	663.75	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					
0162	Labour for fabrication of uPVC extruded casement/fixed windows/and door including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.86	609.00	2959.74	
0163	Labour for installation of uPVC extruded casement windows and doors including scaffolding	sqm	4.86	882.00	4286.52	
	TOTAL				40375.82	W
	Add 1 % Water charges on “W”				403.76	
	TOTAL				40779.58	X
	Add GST on “X” (multiplying factor 0.2127)				8673.82	
	TOTAL				49453.40	Y
	Add 15% CPOH on “Y”				7418.01	
	TOTAL				56871.41	Z
	Add Cess @ 1% on “Z”				568.71	
	Cost of 4.86 sqm				57440.12	
	Cost of 1.00 sqm				11818.95	
	Say				11818.95	

9.147.F3 Casement Door with Double Rebate Frame with one Side Hung Glazed Panel and one Side Hung wire mesh Panel with zinc alloy (zamak) 3D hinges, multi-point locking system with cylinder, zinc alloy (zamak) powder coated handles on both sides of glazed panel and zinc alloy (Zamak) powder coated handle along with multi-point locking system on one side of fly screen panel.

9.147.F3.1 Using R3 series with frame (110mm & above) x (45mm & above) & glazed sash (55mm & above) x (85mm & above) & fly screen sash (55mm & above) x (65mm & above). (Height upto 2.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for uPVC casement door size 0.9 m x 2.1 m = 1.89 sqm.					
	MATERIAL					
8167	uPVC extruded range R3 Casement double rebate frame size (110mm & above) x (45mm & above) (including 5% wastage)	metre	6.30	695.00	4378.50	
8169	uPVC extruded range R3 casement door sash size (55mm & above) x (85mm & above) (including 5% wastage)	metre	6.03	543.00	3274.29	
8168	uPVC extruded range R3 casement window sash/ door fly screen sash/ window mullion/ door mullion size (55mm & above) x (65mm & above) (including 5% wastage)	metre	6.03	448.00	2701.44	
8172	uPVC extruded glazing bead of appropriate dimension for range R3 casement window/ door (including 5% wastage)	metre	10.89	124.00	1350.36	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	11.93	80.00	954.40	
3993	Galvanized iron reinforcement of minimum thickness 1.5mm for range R3 and R4 for casement door sash (including 5% wastage)	metre	5.44	105.00	571.20	
3992	Galvanized iron reinforcement of minimum thickness 1.5 mm for range R3 and R4 for casement frame/ window/Door sash/ mullion and sliding frame (including 5% wastage)	metre	5.44	80.00	435.20	
7390	EPDM Gasket for uPVC window/door (including 5% wastage)	metre	45.90	16.00	734.40	
7217	SS anchor Fasteners (RCC / Brick) – M-8x75mm / M-10x100mm	each	12.00	76.00	912.00	
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door`	each	6.00	546.00	3276.00	
8117	Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door	each set	1.00	3030.00	3030.00	
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding / casement window	each	1.00	1455.00	1455.00	
8646	Weather Silicone sealant	each	2.29	125.00	286.25	
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	2.27	385.90	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0162	Labour for fabrication of uPVC extruded casement/fixed windows/and door including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.89	609.00	1151.01	
0163	Labour for installation of uPVC extruded casement windows and doors including scaffolding	sqm	1.89	882.00	1666.98	
	TOTAL				26562.93	W
	Add 1 % Water charges on “W”				265.63	
	TOTAL				26828.56	X
	Add GST on “X” (multiplying factor 0.2127)				5706.43	
	TOTAL				32534.99	Y
	Add 15% CPOH on “Y”				4880.25	
	TOTAL				37415.24	Z
	Add Cess @ 1% on “Z”				374.15	
	Cost of 1.89 sqm				37789.39	
	Cost of 1.00 sqm				19994.39	
	Say				19994.40	

9.148 Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge.

9.148.1 200 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	10.00	244.00	2440.00	
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	42.00	16.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				2680.28	W
	Add 1 % Water charges on “W”				26.80	
	TOTAL				2707.08	X
	Add GST on “X” (multiplying factor 0.2127)				575.80	
	TOTAL				3282.88	Y
	Add 15% CPOH on “Y”				492.43	
	TOTAL				3775.31	Z
	Add Cess @ 1% on “Z”				37.75	
	Cost of 10 Nos				3813.06	
	Cost of 1 No				381.31	
	Say				381.30	

9.148.2 250 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	10.00	273.00	2730.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	42.00	16.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				2970.28	W
	Add 1 % Water charges on “W”				29.70	
	TOTAL				2999.98	X
	Add GST on “X” (multiplying factor 0.2127)				638.10	
	TOTAL				3638.08	Y
	Add 15% CPOH on “Y”				545.71	
	TOTAL				4183.79	Z
	Add Cess @ 1% on “Z”				41.84	
	Cost of 10 Nos				4225.63	
	Cost of 1 No				422.56	
	Say				422.55	

9.148.3 300 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8757	Stainless steel friction hinge of size 300 mm x 19 x 1.9 mm for uPVC windows	each	10.00	299.00	2990.00	
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	42.00	16.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				3230.28	W
	Add 1 % Water charges on “W”				32.30	
	TOTAL				3262.58	X
	Add GST on “X” (multiplying factor 0.2127)				693.95	
	TOTAL				3956.53	Y
	Add 15% CPOH on “Y”				593.48	
	TOTAL				4550.01	Z
	Add Cess @ 1% on “Z”				45.50	
	Cost of 10 Nos				4595.51	
	Cost of 1 No				459.55	
	Say				459.55	

9.148.4 350 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8758	Stainless steel friction hinge of size 350 mm x 19 x 1.9 mm for uPVC windows	each	10.00	415.00	4150.00	
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	42.00	16.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				4390.28	W
	Add 1 % Water charges on “W”				43.90	
	TOTAL				4434.18	X
	Add GST on “X” (multiplying factor 0.2127)				943.15	
	TOTAL				5377.33	Y
	Add 15% CPOH on “Y”				806.60	
	TOTAL				6183.93	Z
	Add Cess @ 1% on “Z”				61.84	
	Cost of 10 Nos				6245.77	
	Cost of 1 No				624.58	
	Say				624.60	

9.148.5 400 x 19 x 1.9 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8759	Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for uPVC windows	each	10.00	405.00	4050.00	
8647	Stainless steal screws 30mm x4mm.	100 Nos	0.40	42.00	16.80	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0112	Carpenter 2nd class	day	0.14	816.00	114.24	
0114	Beldar	day	0.14	736.00	103.04	
	TOTAL				4290.28	W
	Add 1 % Water charges on “W”				42.90	
	TOTAL				4333.18	X
	Add GST on “X” (multiplying factor 0.2127)				921.67	
	TOTAL				5254.85	Y
	Add 15% CPOH on “Y”				788.23	
	TOTAL				6043.08	Z
	Add Cess @ 1% on “Z”				60.43	
	Cost of 10 Nos				6103.51	
	Cost of 1 No				610.35	
	Say				610.35	

9.149 Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8750	Zinc alloy (white powder coated) casement handle for uPVC windows	each	10.00	150.00	1500.00	
9977	Carriage of materials	L.S.	4.42	2.27	10.03	
9999	Sundries(Screws)	L.S.	3.00	2.27	6.81	
	LABOUR					
0156	Carpenter (average)	day	0.125	857.00	107.13	
	TOTAL				1623.97	W
	Add 1 % Water charges on “W”				16.24	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1640.21	X
	Add GST on “X” (multiplying factor 0.2127)				348.87	
	TOTAL				1989.08	Y
	Add 15% CPOH on “Y”				298.36	
	TOTAL				2287.44	Z
	Add Cess @ 1% on “Z”				22.87	
	Cost of 10 Nos				2310.31	
	Cost of 1 No				231.03	
	Say				231.05	

9.150 Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8751	Zinc alloy (white powder coated) Touch Lock for uPVC windows	each	10.00	131.00	1310.00	
9977	Carriage of materials	L.S.	4.42	2.27	10.03	
9999	Sundries(Screws)	L.S.	3.00	2.27	6.81	
	LABOUR					
0156	Carpenter (average)	day	0.125	857.00	107.13	
	TOTAL				1433.97	W
	Add 1 % Water charges on “W”				14.34	
	TOTAL				1448.31	X
	Add GST on “X” (multiplying factor 0.2127)				308.06	
	TOTAL				1756.37	Y
	Add 15% CPOH on “Y”				263.46	
	TOTAL				2019.83	Z
	Add Cess @ 1% on “Z”				20.20	
	Cost of 10 Nos				2040.03	
	Cost of 1 No				204.00	
	Say				204.00	

9.151 Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8752	Zinc alloy rollers for uPVC windows	each	10.00	69.00	690.00	
9977	Carriage of materials	L.S.	4.42	2.27	10.03	
9999	Sundries(Screws)	L.S.	3.00	2.27	6.81	
	LABOUR					
0156	Carpenter (average)	day	0.125	857.00	107.13	
	TOTAL				813.97	W
	Add 1 % Water charges on “W”				8.14	
	TOTAL				822.11	X
	Add GST on “X” (multiplying factor 0.2127)				174.86	
	TOTAL				996.97	Y
	Add 15% CPOH on “Y”				149.55	
	TOTAL				1146.52	Z
	Add Cess @ 1% on “Z”				11.47	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 10 Nos				1157.99	
	Cost of 1 No				115.80	
	Say				115.80	

9.152 Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8753	Zinc alloy rollers for uPVC door	each	10.00	118.00	1180.00	
9977	Carriage of materials	L.S.	4.42	2.27	10.03	
9999	Sundries(Screws)	L.S.	3.00	2.27	6.81	
	LABOUR					
0156	Carpenter (average)	day	0.125	857.00	107.13	
	TOTAL				1303.97	W
	Add 1 % Water charges on “W”				13.04	
	TOTAL				1317.01	X
	Add GST on “X” (multiplying factor 0.2127)				280.13	
	TOTAL				1597.14	Y
	Add 15% CPOH on “Y”				239.57	
	TOTAL				1836.71	Z
	Add Cess @ 1% on “Z”				18.37	
	Cost of 10 Nos				1855.08	
	Cost of 1 No				185.51	
	Say				185.50	

9.153 Providing and fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos					
	MATERIAL					
8754	Zinc alloy (white powder coated) casement lock for uPVC windows	each	10.00	127.00	1270.00	
9977	Carriage of materials	L.S.	4.42	2.27	10.03	
9999	Sundries(Screws)	L.S.	3.00	2.27	6.81	
	LABOUR					
0156	Carpenter (average)	day	0.125	857.00	107.13	
	TOTAL				1393.97	W
	Add 1 % Water charges on “W”				13.94	
	TOTAL				1407.91	X
	Add GST on “X” (multiplying factor 0.2127)				299.46	
	TOTAL				1707.37	Y
	Add 15% CPOH on “Y”				256.11	
	TOTAL				1963.48	Z
	Add Cess @ 1% on “Z”				19.63	
	Cost of 10 Nos				1983.11	
	Cost of 1 No				198.31	
	Say				198.30	

9.154 Providing and fixing frame work for partitions/ wall lining etc. made of 50x50x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.4x2.4 m panel=5.76m^2					
	or 58.35 Kg					
	MATERIAL					
	M.S.Pipe section @ 10.13 kg/sqm=58.35 Kg+					
	Add 5% wastage = 2.92 Kg					
	Total = 61.27 Kg					
4009	Mild steel tubes hot finished welded type	kilogram	61.27	72.00	4411.44	
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	20.00	19.00	380.00	
	Steel primer					
	5 x 2 x 2.40 x 0.05 x 4 = 4.80 sqm					
13.50.3	Rate as per Item No.13.50.3 of SH:FINISHING	sqm	4.80	67.40	323.52	A
	LABOUR					
0116	Fitter (grade 1)	day	0.40	897.00	358.80	
0103	Blacksmith 2nd class	day	0.53	816.00	432.48	
0114	Beldar	day	1.23	736.00	905.28	
0100	Bandhani	day	0.06	816.00	48.96	
9999	Sundries	L.S.	33.56	2.27	76.18	
	TOTAL				6936.66	W
	Add 1 % Water charges on “W-A”				66.13	
	TOTAL				7002.79	X
	Add GST on “X-A” (multiplying factor 0.2127)				1420.68	
	TOTAL				8423.47	Y
	Add 15% CPOH on “Y-A”				1214.99	
	TOTAL				9638.46	Z
	Add Cess @ 1% on “Z-A”				93.15	
	Cost of 58.35 kg				9731.61	
	Cost of 1 kg				166.78	
	Say				166.80	

9.155 Providing and fixing panelling or paneling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebated to be measured). Panelling for panelled and glazed shutters 25mm to 40mm thick: Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick conforming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.66 sqm					
	Detail of cost for a door with 2/3rd paneling.					
	200 x 108 cm = 2.16 sqm					
	Pannel area 4x45.1x36.55cm = 0.66 sqm					
	MATERIAL					
	Both side laminated 12mm thick					
	MDF Board 4x47.2x38.65 cm = 0.73 sqm					
	Adding 10% wastage = 0.07 sqm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total= 0.80 sqm					
2484	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick conforming to IS:14587	sqm	0.80	478.00	382.40	
9999	Sundries (Carriage of MDF board)	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1 st class	day	0.57	897.00	511.29	
9999	Sundries	L.S.	4.42	2.27	10.03	
	TOTAL				907.85	W
	Add 1 % Water charges on “W”				9.08	
	TOTAL				916.93	X
	Add GST on “X” (multiplying factor 0.2127)				195.03	
	TOTAL				1111.96	Y
	Add 15% CPOH on “Y”				166.79	
	TOTAL				1278.75	Z
	Add Cess @ 1% on “Z”				12.79	
	Cost of 0.66 sqm.				1291.54	
	Cost of 1 sqm.				1956.88	
	Say				1956.90	

9.156 Providing and fixing Pre -laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately).

9.156.1 Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick conforming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 7.00 sqm					
	Detail of cost for 350x200 cm = 7sqm					
	MATERIAL					
	12 mm thick both side laminated board = 7.00 sqm					
	Add for wastage @5% = 0.35 sqm					
	Total= 7.35 sqm					
2484	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick conforming to IS:14587	sqm	7.35	478.00	3513.30	
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.27	30.69	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	LABOUR					
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				5075.48	W
	Add 1 % Water charges on “W”				50.75	
	TOTAL				5126.23	X
	Add GST on “X” (multiplying factor 0.2127)				1090.35	
	TOTAL				6216.58	Y
	Add 15% CPOH on “Y”				932.49	
	TOTAL				7149.07	Z
	Add Cess @ 1% on “Z”				71.49	
	Cost of 7.00 sqm.				7220.56	
	Cost of 1 sqm.				1031.51	
	Say				1031.50	

9.156.2 Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick conforming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 350x200 cm = 7 sqm					
	MATERIAL					
	18 mm thick both side laminated board = 7.00 sqm					
	Add for wastage @5% = 0.35 sqm					
	Total= 7.35 sqm					
2485	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick conforming to IS:14587	sqm	7.35	621.00	4564.35	
9999	Sundries (Carriage of MDF board)	L.S.	19.76	2.27	44.86	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	LABOUR					
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				6140.70	W
	Add 1 % Water charges on “W”				61.41	
	TOTAL				6202.11	X
	Add GST on “X” (multiplying factor 0.2127)				1319.19	
	TOTAL				7521.30	Y
	Add 15% CPOH on “Y”				1128.20	
	TOTAL				8649.50	Z
	Add Cess @ 1% on “Z”				86.50	
	Cost of 7.00 sqm.				8736.00	
	Cost of 1 sqm.				1248.00	
	Say				1248.00	

9.157 Providing and fixing Pre-laminated medium density fibre board IS: 14587:1998 marked, with one side decorative lamination other side balancing lamination Grade-I(exterior grade) in shelves with screws and fittings wherever required, edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand (fittings to be paid separately).

9.157.1 Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick conforming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.60 sqm.					
	Detail of cost for 4 Nos. 75x20 cm shelves = 0.60 sqm					
	MATERIAL					
	18 mm Thick MDF Board out side laminated = 0.60 sqm					
	Add wastage @ 5% = 0.03 sqm					
	Total= 0.63 sqm					
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick conforming to IS:14587	sqm	0.63	599.00	377.37	
	PVC edge bending tape 2.00 mm thick 4X0.75 =3.00 metre					
2489	PVC edge bending tape 2.00 mm thick	metre	3.00	22.00	66.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries (Carriage of MDF board)	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.11	816.00	89.76	
0114	Beldar	day	0.06	736.00	44.16	
9999	Sundries and screws	L.S.	7.80	2.27	17.71	
	TOTAL				597.07	W
	Add 1 % Water charges on “W”				5.97	
	TOTAL				603.04	X
	Add GST on “X” (multiplying factor 0.2127)				128.27	
	TOTAL				731.31	Y
	Add 15% CPOH on “Y”				109.70	
	TOTAL				841.01	Z
	Add Cess @ 1% on “Z”				8.41	
	Cost of 0.60 sqm.				849.42	
	Cost of 1 sqm.				1415.70	
	Say				1415.70	

9.157.2 Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick conforming to IS:14587

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.60 sqm.					
	Detail of cost for 4 Nos. 75x20 cm shelves = 0.60 sqm					
	MATERIAL					
	25 mm Thick MDF Board outside laminated = 0.60 sqm					
	Add wastage @ 5% = 0.03 sqm					
	Total= 0.63 sqm					
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick conforming to IS:14587	sqm	0.63	903.00	568.89	
	PVC edge bending tape 2.00 mm thick 4X 0.75 =3.00 metre					
2489	PVC edge bending tape 2.00 mm thick	metre	3.00	22.00	66.00	
9999	Sundries (Carriage of MDF board)	L.S.	1.82	2.27	4.13	
	LABOUR					
0112	Carpenter 2nd class	day	0.11	816.00	89.76	
0114	Beldar	day	0.06	736.00	44.16	
9999	Sundries and screws	L.S.	7.80	2.27	17.71	
	TOTAL				790.65	W
	Add 1 % Water charges on “W”				7.91	
	TOTAL				798.56	X
	Add GST on “X” (multiplying factor 0.2127)				169.85	
	TOTAL				968.41	Y
	Add 15% CPOH on “Y”				145.26	
	TOTAL				1113.67	Z
	Add Cess @ 1% on “Z”				11.14	
	Cost of 0.60 sqm.				1124.81	
	Cost of 1 sqm.				1874.68	
	Say				1874.70	

9.158 Providing and fixing in wall lining medium density fibre board IS: 14587:1998 marked, Pre-laminated one side decorative lamination and other side balancing lamination, with necessary fixing arrangement and screws etc. complete.

9.158.1 12 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00 sqm					
	MATERIAL					
	12 mm thick MDF Board Grade-I ,one side laminated = 10.00 sqm					
	Add wastage @10 % = 1.00 sqm					
	Total= 11.00 sqm					
2487	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 12 mm thick conforming to IS:14587	sqm	11.00	456.00	5016.00	
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.27	30.69	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	LABOUR					
0112	Carpenter 2nd class	day	1.28	816.00	1044.48	
0114	Beldar	day	1.43	736.00	1052.48	
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	24.00	1320.00	
	TOTAL				8524.74	W
	Add 1 % Water charges on “W”				85.25	
	TOTAL				8609.99	X
	Add GST on “X” (multiplying factor 0.2127)				1831.34	
	TOTAL				10441.33	Y
	Add 15% CPOH on “Y”				1566.20	
	TOTAL				12007.53	Z
	Add Cess @ 1% on “Z”				120.08	
	Cost of 10.00 sqm.				12127.61	
	Cost of 1 sqm.				1212.76	
	Say				1212.75	

9.158.2 18 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00 sqm					
	MATERIAL					
	18 mm thick MDF Board Grade-I ,one side laminated = 10.00 sqm					
	Add wastage @10 % = 1.00 sqm					
	Total= 11.00 sqm					
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick conforming to IS:14587	sqm	11.00	599.00	6589.00	
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.27	30.69	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	LABOUR					
0112	Carpenter 2nd class	day	1.28	816.00	1044.48	
0114	Beldar	day	1.43	736.00	1052.48	
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	24.00	1320.00	
	TOTAL				10097.74	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				100.98	
	TOTAL				10198.72	X
	Add GST on “X” (multiplying factor 0.2127)				2169.27	
	TOTAL				12367.99	Y
	Add 15% CPOH on “Y”				1855.20	
	TOTAL				14223.19	Z
	Add Cess @ 1% on “Z”				142.23	
	Cost of 10.00 sqm.				14365.42	
	Cost of 1 sqm.				1436.54	
	Say				1436.55	

9.158.3 25 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00 sqm					
	MATERIAL					
	25 mm thick MDF Board Grade-I ,one side laminated = 10.00 sqm					
	Add wastage @10 % = 1.00 sqm					
	Total= 11.00 sqm					
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick conforming to IS:14587	sqm	11.00	903.00	9933.00	
9999	Sundries (Carriage of MDF board)	L.S.	13.52	2.27	30.69	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	LABOUR					
0112	Carpenter 2nd class	day	1.28	816.00	1044.48	
0114	Beldar	day	1.43	736.00	1052.48	
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	24.00	1320.00	
	TOTAL				13441.74	W
	Add 1 % Water charges on “W”				134.42	
	TOTAL				13576.16	X
	Add GST on “X” (multiplying factor 0.2127)				2887.65	
	TOTAL				16463.81	Y
	Add 15% CPOH on “Y”				2469.57	
	TOTAL				18933.38	Z
	Add Cess @ 1% on “Z”				189.33	
	Cost of 10.00 sqm.				19122.71	
	Cost of 1 sqm.				1912.27	
	Say				1912.25	

9.159 Providing and fixing 25mm thick pre-laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked with one side decorative and other side balancing lamination for cupboard shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.20 sqm (2.20 m x 1.00 m)					
	MATERIAL					
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick conforming to IS:14587	sqm	2.20	903.00	1986.60	
9999	Sundries (Carriage of MDF board)	L.S.	26.94	2.27	61.15	
	PVC edge bending tape 2.00 mm thick					
	2x(2.20+1.00)=6.40 metre					
2489	PVC edge bending tape 2.00 mm thick	metre	6.40	22.00	140.80	
	Fitting for a door of 2.20 m x1.00 m					
	Total = 2(2.20) = 4.40 metre					
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	4.40	42.00	184.80	
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	1.25	42.00	52.50	
	LABOUR					
	For fixing shutter and fittings					
0156	Carpenter (average)	day	0.55	857.00	471.35	
0114	Beldar	day	0.55	736.00	404.80	
	TOTAL				3302.00	W
	Add 1 % Water charges on “W”				33.02	
	TOTAL				3335.02	X
	Add GST on “X” (multiplying factor 0.2127)				709.36	
	TOTAL				4044.38	Y
	Add 15% CPOH on “Y”				606.66	
	TOTAL				4651.04	Z
	Add Cess @ 1% on “Z”				46.51	
	Cost of 2.20 sqm.				4697.55	
	Cost of 1 sqm.				2135.25	
	Say				2135.25	

9.160 Providing and fixing skirting with Pre-laminated medium density fibre board exterior grade (Grade-I) conforming to IS: 14587:1998 marked, with (one side decorative and other side balancing lamination and edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. all complete.

9.160.1 18 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.00 sqm					
	Detail of cost for skirting 200 mm wide & 30 m long					
	Area 0.20 mx30 m = 6.0 sqm					
	Add wastage @ 10 % = 0.60 sqm					
	Total = 6.60 sqm					
	MATERIAL					
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick conforming to IS:14587	sqm	6.60	599.00	3953.40	
9999	Sundries (Carriage of MDF board)	L.S.	8.11	2.27	18.41	
2489	PVC edge bending tape 2.00 mm thick	metre	30.00	22.00	660.00	
7048	Rawl plug 50 mm (designation 10 nos)	each	102.00	24.00	2448.00	
9999	Sundries (Labour for drilling hole)	L.S.	130.00	2.27	295.10	
	LABOUR					
0112	Carpenter 2nd class	day	0.77	816.00	628.32	
0114	Beldar	day	0.86	736.00	632.96	
9999	Sundries (screws and sand paper)	L.S.	53.82	2.27	122.17	
	TOTAL				8758.36	W
	Add 1 % Water charges on “W”				87.58	
	TOTAL				8845.94	X
	Add GST on “X” (multiplying factor 0.2127)				1881.53	
	TOTAL				10727.47	Y
	Add 15% CPOH on “Y”				1609.12	
	TOTAL				12336.59	Z
	Add Cess @ 1% on “Z”				123.37	
	Cost of 6.00 sqm.				12459.96	
	Cost of 1 sqm.				2076.66	
	Say				2076.65	

9.160.2 25 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.00 sqm					
	Detail of cost for skirting 200 mm wide & 30 m long					
	Area 0.20 mx30 m = 6.0 sqm					
	Add wastage @ 10 % = 0.60 sqm					
	Total = 6.60 sqm					
	MATERIAL					
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick conforming to IS:14587	sqm	6.60	903.00	5959.80	
9999	Sundries (Carriage of MDF board)	L.S.	8.11	2.27	18.41	
2489	PVC edge bending tape 2.00 mm thick	metre	30.00	22.00	660.00	
7048	Rawl plug 50 mm (designation 10 nos)	each	102.00	24.00	2448.00	
9999	Sundries (Labour for drilling hole)	L.S.	130.00	2.27	295.10	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0112	Carpenter 2nd class	day	0.77	816.00	628.32	
0114	Beldar	day	0.86	736.00	632.96	
9999	Sundries (screws and sand paper)	L.S.	53.82	2.27	122.17	
	TOTAL				10764.76	W
	Add 1 % Water charges on “W”				107.65	
	TOTAL				10872.41	X
	Add GST on “X” (multiplying factor 0.2127)				2312.56	
	TOTAL				13184.97	Y
	Add 15% CPOH on “Y”				1977.75	
	TOTAL				15162.72	Z
	Add Cess @ 1% on “Z”				151.63	
	Cost of 6.00 sqm.				15314.35	
	Cost of 1 sqm.				2552.39	
	Say				2552.40	

9.161 Providing and fixing fire resistant door frame of section 50 x 60 mm on horizontal side & 35 x 60 mm on vertical sides having built in rebate made out of 1.6 mm thick GI sheet (Zinc coating not less than 120gm/sqm) suitable for mounting 120 minutes Fire Rated Glazed Door Shutters. The frame shall be filled with mineral wool Insulation having density minimum 96Kg/sqm . The frame will have a provision of G.I. anchor fastners 14 nos (5 each on vertical style & 4 on horizontal style of size M10 x 80) suitable for fixing in the opening along with factory made template for SS ball bearing hinges of Size 100x89x3mm for fixing of fire rated glazed shutter . The frame shall be finished with a approved fire resistant primer or powder coating of not less than 30 micron in desired shade as per the directions of Engineer - in- Charge . (Cost of SS ball bearing hinges is excluded).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5.81 metre (2.05+1.71+2.05) (Door size- 1710 x 2050 mm)					
	MATERIAL:					
8017	Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	5.81	1400.00	8134.00	
	LABOUR:					
9999	For fixing in position all complete	L.S.	130.00	2.27	295.10	
9999	Sundries and carriage (Fasteners, sims, Hole Plugs etc)	L.S.	250.00	2.27	567.50	
	TOTAL				8996.60	W
	Add 1 % Water charges on “W”				89.97	
	TOTAL				9086.57	X
	Add GST on “X” (multiplying factor 0.2127)				1932.71	
	TOTAL				11019.28	Y
	Add 15% CPOH on “Y”				1652.89	
	TOTAL				12672.17	Z
	Add Cess @ 1% on “Z”				126.72	
	Cost of 5.81 metre				12798.89	
	Cost of 1 metre				2202.91	
	Say				2202.90	

9.162 Providing and fixing 60 mm thick glazed fire resistant door shutters of 120 minutes Fire rating conforming to IS:3614 (Part II) or EN1634-1:1999, tested and certified as per laboratory approved by Engineer-in-Charge, with suitable mounting on door frame, consisting of vertical styles, top rail & side rail 60 mm x 60 mm wide and bottom rail of 110 mm x 60 mm made out of 1.6mm thick G.I. sheet (zinc coating not less than 120gm/sqm) duly filled mineral wool insulation having density minimum 96 kg/cum and fixing with necessary stainless steel ball bearing hinges of size 100x89x3mm of approved make, including applying a coat of approved fire resistant primer or powder coating not less than 30 micron etc all complete as per direction of Engineer-in-Charge (panelling to be paid for seperately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3.50 sqm (Door size- 1710 x 2050 mm) material					
	MATERIAL:					
8018	Fire Rated door shutter made with 1.6 mm thick Sheet (120 minutes), including hinges but with-out glass panels but including wastages	sqm	3.50	7000.00	24500.00	
8101	Stainless steel ball bearing hinges of size 100x89x3mm	each	8.00	517.00	4136.00	
	LABOUR:					
9999	For fixing in position all complete	L.S.	130.00	2.27	295.10	
9999	Sundries and carriage	L.S.	280.00	2.27	635.60	
	TOTAL				29566.70	W
	Add 1 % Water charges on “W”				295.67	
	TOTAL				29862.37	X
	Add GST on “X” (multiplying factor 0.2127)				6351.73	
	TOTAL				36214.10	Y
	Add 15% CPOH on “Y”				5432.12	
	TOTAL				41646.22	Z
	Add Cess @ 1% on “Z”				416.46	
	Cost of 3.5 sqm				42062.68	
	Cost of 1 sqm				12017.91	
	Say				12017.90	

9.163 Providing and fixing non load bearing fixed frame for fire resistant glazed partition for 120 minutes fire rating, made out to a profile of dimension 60mm x 70 mm of 1.6 mm thick galvanised steel sheet as per test evidence suitable for fixing fire rated glass for 120 minutes of both integrity & radiation control (EW120) & minimum 20 minutes of insulation (EI20).The profile has to be fixed to the supporting construction by means of anchor fasteners of size M10 x 80, every 150 mm from the edges and every 500 mm (approx) c/c. Linear measurement of frame shall be measured for payment. The frame shall be filled with mineral wool insulation of density minimum 96kg/ cum and finished with a approved fire resistant primer or powder coating of not less than 30 micron in desired shade as per NBC 2016, IS 16231 (Part 3):2016 and directions of Engineer - in- Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5.81 metre (2.05+1.71+2.05) (Door size- 1710 x 2050 mm)					
	MATERIAL:					
8017	Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	5.81	1400.00	8134.00	
	LABOUR:					
9999	For fixing in position all complete	L.S.	130.00	2.27	295.10	
9999	Sundries and carriage (Fasteners, sims, Hole Plugs etc)	L.S.	250.00	2.27	567.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				8996.60	W
	Add 1 % Water charges on "W"				89.97	
	TOTAL				9086.57	X
	Add GST on "X" (multiplying factor 0.2127)				1932.71	
	TOTAL				11019.28	Y
	Add 15% CPOH on "Y"				1652.89	
	TOTAL				12672.17	Z
	Add Cess @ 1% on "Z"				126.72	
	Cost of 5.81 mtere				12798.89	
	Cost of 1 metre				2202.91	
	Say				2202.90	

9.164 Providing and fixing glazing in fire resistant door shutters, fixed panels & partitions etc., with G.I. beading made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 gm/sqm) of size 20 x 33 mm screwed with M4 x 38 mm SS screws at distance 75 mm from the edges and 150 mm c/c , including applying a coat of approved fire resistant primer/powder coating of not less than 30 micron on G.I. beading, & special ceramic tape of 5 x 20 mm size etc complete in all respect as per NBC 2016, IS 16231 (Part 3):2016 and as per direction of Engineer-in-Charge with glass of required thickness having 120 minutes of fire resistance both integrity & radiation control (EW120) and minimum 20 minutes of insulation (EI20). The manufacturer have to give test report/certification of fire glass and the glass should have the stamp showing the value of E, EW & EI. The glass shall be tested in approved NABL accredited lab or by any other accreditation body which operates in accordance with ISO/IEC 17011 and accredited labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x2200 mm (w x h) or 2.42 sqm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for glazing portion 2.46 sqm (Door size 1710 mm x 2050 mm) Glazing area- 2x0.679x1.808= 2.46 sqm					
	MATERIAL:					
2640	Glass panes of required thickness having 120 minutes of fire resistance both integrity and radiation control (EW120) and minimum 20 minutes of insulation (EI 20)	sqm	2.46	26200.00	64452.00	
2641	G.I. U beading of 1.6 mm thick G.I. Sheet with M4x38mm SS screws	metre	9.91	256.00	2536.96	
2642	Ceramic tape 5x20 mm size	metre	19.82	409.00	8106.38	
	LABOUR:					
9999	For fixing in position all complete	L.S.	180.00	2.27	408.60	
9999	Sundries and carriage & Calcium Silicate Blocks	L.S.	10.00	2.27	22.70	
	TOTAL				75526.64	W
	Add 1 % Water charges on "W"				755.27	
	TOTAL				76281.91	X
	Add GST on "X" (multiplying factor 0.2127)				16225.16	
	TOTAL				92507.07	Y
	Add 15% CPOH on "Y"				13876.06	
	TOTAL				106383.13	Z
	Add Cess @ 1% on "Z"				1063.83	
	Cost of 2.46 sqm				107446.96	
	Cost of 1 sqm				43677.63	
	Say				43677.65	

9.165 Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.

9.165.1 125 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten nos (125 mm)					
	MATERIAL					
0554	Stainless steel fancy handles (125mm) for kitchen cabinet	10 Nos	1.00	710.00	710.00	
8214	SS screws 20mm	100 Nos.	0.40	175.00	70.00	
9999	Carriage of material	LS	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				837.95	W
	Add 1 % Water charges on “W”				8.38	
	TOTAL				846.33	X
	Add GST on “X” (multiplying factor 0.2127)				180.01	
	TOTAL				1026.34	Y
	Add 15% CPOH on “Y”				153.95	
	TOTAL				1180.29	Z
	Add Cess @ 1% on “Z”				11.80	
	Cost for 10nos				1192.09	
	Cost for1 no				119.21	
	Say				119.20	

9.165.2 100mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten nos (100 mm)					
	MATERIAL					
0553	Stainless steel fancy handles (100mm) for kitchen cabinet	10 Nos	1.00	508.00	508.00	
8214	SS screws 20mm	100 Nos.	0.40	175.00	70.00	
9999	Carriage of material	L.S.	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				635.95	W
	Add 1 % Water charges on “W”				6.36	
	TOTAL				642.31	X
	Add GST on “X” (multiplying factor 0.2127)				136.62	
	TOTAL				778.93	Y
	Add 15% CPOH on “Y”				116.84	
	TOTAL				895.77	Z
	Add Cess @ 1% on “Z”				8.96	
	Cost for 10nos				904.73	
	Cost for1 no				90.47	
	Say				90.45	

9.165.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for ten nos (75 mm)					
	MATERIAL					
0552	Stainless steel fancy handles (75mm) for kitchen cabinet	10 Nos	1.00	285.00	285.00	
8214	SS screws 20mm	100 Nos.	0.40	175.00	70.00	
9999	Carriage of material	LS	1.82	2.27	4.13	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				412.95	W
	Add 1 % Water charges on “W”				4.13	
	TOTAL				417.08	X
	Add GST on “X” (multiplying factor 0.2127)				88.71	
	TOTAL				505.79	Y
	Add 15% CPOH on “Y”				75.87	
	TOTAL				581.66	Z
	Add Cess @ 1% on “Z”				5.82	
	Cost for 10nos				587.48	
	Cost for1 no				58.75	
	Say				58.75	

9.166 Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately).

9.166.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4 nos.					
	75x20cm shelves = 0.60 sqm.					
	MATERIAL					
	18mm thick particle board					
	4x75x20cm = 0.60sqm.					
	Add wastage @ 5% = 0.03sqm.					
	Total = 0.63 sqm					
2495	18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008	sqm	0.63	668.00	420.84	
9977	Carriage of board	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.11	816.00	89.76	
0114	Beldar	day	0.06	736.00	44.16	
9999	Sundries, Painting edges & Screws	L.S.	7.80	2.27	17.71	
	TOTAL				574.54	W
	Add 1 % Water charges on “W”				5.75	
	TOTAL				580.29	X
	Add GST on “X” (multiplying factor 0.2127)				123.43	
	TOTAL				703.72	Y
	Add 15% CPOH on “Y”				105.56	
	TOTAL				809.28	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z"				8.09	
	Cost of 0.60 sqm.				817.37	
	Cost of 1 sqm				1362.28	
	Say				1362.30	

9.167 Providing and fixing 6mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. on the backing of racks, drawer, cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 350x200cm = 7sqm.					
	MATERIAL					
	6mm thick board = 7.00sqm.+ Add wastage @ 5% = 0.35 sqm. Total = 7.35 sqm					
2496	6mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008	sqm	7.35	464.00	3410.40	
9977	Carriage of particle board	L.S.	13.52	2.27	30.69	
9999	Sundries and screws	L.S.	26.91	2.27	61.09	
	LABOUR					
0112	Carpenter 2nd class	day	0.90	816.00	734.40	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				4972.58	W
	Add 1 % Water charges on "W"				49.73	
	TOTAL				5022.31	X
	Add GST on "X" (multiplying factor 0.2127)				1068.25	
	TOTAL				6090.56	Y
	Add 15% CPOH on "Y"				913.58	
	TOTAL				7004.14	Z
	Add Cess @ 1% on "Z"				70.04	
	Cost of 7 sqm.				7074.18	
	Cost of 1 sqm.				1010.60	
	Say				1010.60	

9.168 Providing and fixing cupboard shutter with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge.(Payment of providing and fixing auto closing hinges shall be paid separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.2 sqm.					
	MATERIAL					
2497	19mm thick prelaminated ply 2.20sqm.+ Add wastage @ 5% = 0.11 sqm. Total = 2.31 sqm	sqm	2.31	1530.00	3534.30	
9977	Carriage of shutter	L.S.	29.64	2.27	67.28	
2489	PVC edge bending tape 2 X (2.00+1.10)= 6.20 metre	metre	6.20	22.00	136.40	
	LABOUR					
	For fixing shutter and PVC edge bending tape					
0156	Carpenter (average)	day	0.40	857.00	342.80	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.40	736.00	294.40	
	TOTAL				4375.18	W
	Add 1 % Water charges on “W”				43.75	
	TOTAL				4418.93	X
	Add GST on “X” (multiplying factor 0.2127)				939.91	
	TOTAL				5358.84	Y
	Add 15% CPOH on “Y”				803.83	
	TOTAL				6162.67	Z
	Add Cess @ 1% on “Z”				61.63	
	Cost for 2.2 sqm.				6224.30	
	Cost of 1 sqm.				2829.23	
	Say				2829.25	

9.169 Providing and fixing 19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes,shelves,racks,almirah,cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4 nos.					
	75x20cm shelves = 0.60 sqm.					
	MATERIAL					
	18mm thick particle board					
	4x75x20cm = 0.60sqm.					
	Add wastage @ 5% = 0.03sqm.					
	Total = 0.63 sqm					
2498	19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710	sqm	0.63	1492.00	939.96	
9977	Carriage of board	L.S.	0.91	2.27	2.07	
	LABOUR					
0112	Carpenter 2nd class	day	0.11	816.00	89.76	
0114	Beldar	day	0.06	736.00	44.16	
9999	Sundries, Painting edges & Screws	L.S.	7.80	2.27	17.71	
	TOTAL				1093.66	W
	Add 1 % Water charges on “W”				10.94	
	TOTAL				1104.60	X
	Add GST on “X” (multiplying factor 0.2127)				234.95	
	TOTAL				1339.55	Y
	Add 15% CPOH on “Y”				200.93	
	TOTAL				1540.48	Z
	Add Cess @ 1% on “Z”				15.40	
	Cost of 0.60 sqm.				1555.88	
	Cost of 1sqm.				2593.13	
	Say				2593.15	

9.170 Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.

9.170.1 200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8227	Stainless steel fancy handle	10 Nos	1.00	1150.00	1150.00	
8212	SS screws 30mm	100 Nos	0.40	255.00	102.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				1312.02	W
	Add 1 % Water charges on “W”				13.12	
	TOTAL				1325.14	X
	Add GST on “X” (multiplying factor 0.2127)				281.86	
	TOTAL				1607.00	Y
	Add 15% CPOH on “Y”				241.05	
	TOTAL				1848.05	Z
	Add Cess @ 1% on “Z”				18.48	
	Cost of 10 nos				1866.53	
	Cost of 1 no				186.65	
	Say				186.65	

9.171 Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
8228	Soft closing stainless steel hinges	10 sets	1.00	1750.00	1750.00	
8212	SS screws 30mm	100 Nos	0.40	255.00	102.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.06	897.00	53.82	
	TOTAL				1912.02	W
	Add 1 % Water charges on “W”				19.12	
	TOTAL				1931.14	X
	Add GST on “X” (multiplying factor 0.2127)				410.75	
	TOTAL				2341.89	Y
	Add 15% CPOH on “Y”				351.28	
	TOTAL				2693.17	Z
	Add Cess @ 1% on “Z”				26.93	
	Cost of 10 nos				2720.10	
	Cost of 1 no				272.01	
	Say				272.00	

9.172 Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sets.					
	MATERIAL					
8229	Stainless steel telescopic drawer channels 500mm long .	set	10.00	595.00	5950.00	
9977	Carriage	L.S.	19.50	2.27	44.27	
9999	Sundries including screws and fixing charges.	L.S.	100.10	2.27	227.23	
	TOTAL				6221.50	W
	Add 1 % Water charges on “W”				62.22	
	TOTAL				6283.72	X
	Add GST on “X” (multiplying factor 0.2127)				1336.55	
	TOTAL				7620.27	Y
	Add 15% CPOH on “Y”				1143.04	
	TOTAL				8763.31	Z
	Add Cess @ 1% on “Z”				87.63	
	Cost for 10 sets				8850.94	
	Cost for 1 set				885.09	
	Say				885.10	

9.173 Providing and fixing ready made 304 grade stainless steel Modular kitchen basket and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in-charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2kg					
	MATERIAL					
	Qty= 2kg +					
	Add wastage @ 5% = 0.10					
	Total = 2.1 kg					
8230	Stainless steel (Grade-304) basket (readymade)	kg	2.10	310.00	651.00	
9999	Stainless steel nuts & SS screws etc.	LS	7.50	2.27	17.03	
	LABOUR					
	For fixing					
0102	Blacksmith 1st class	day	0.05	897.00	44.85	
0114	Beldar	day	0.05	736.00	36.80	
	TOTAL				749.68	W
	Add 1 % Water charges on “W”				7.50	
	TOTAL				757.18	X
	Add GST on “X” (multiplying factor 0.2127)				161.05	
	TOTAL				918.23	Y
	Add 15% CPOH on “Y”				137.73	
	TOTAL				1055.96	Z
	Add Cess @ 1% on “Z”				10.56	
	Cost of 2 kg				1066.52	
	Cost of 1 kg.				533.26	
	Say				533.25	

9.174 Providing and fixing 2mm thick 16 to 19mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per directions of Engineer- in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metre					
	MATERIAL					
2489	PVC edge binding tape	metre	10.00	22.00	220.00	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0111	Carpenter 1st class	day	0.05	897.00	44.85	
0114	Beldar	day	0.05	736.00	36.80	
	TOTAL				307.85	W
	Add 1 % Water charges on “W”				3.08	
	TOTAL				310.93	X
	Add GST on “X” (multiplying factor 0.2127)				66.13	
	TOTAL				377.06	Y
	Add 15% CPOH on “Y”				56.56	
	TOTAL				433.62	Z
	Add Cess @ 1% on “Z”				4.34	
	Cost of 10metre				437.96	
	Cost of 1 metre				43.80	
	Say				43.80	

SUB HEAD : 10.0

STEEL WORK

10.1 Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one qunital					
	MATERIAL					
	Steel = 1.00q					
	Add wastage @ 5% = 0.05q					
	Total = 1.05q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	1.05	5965.00	6263.25	
2205	Carriage of Steel	tonne	0.105	0.00	0.00	
	LABOUR					
0116	Fitter (grade 1)	day	0.50	897.00	448.50	
0103	Blacksmith 2nd class	day	0.75	816.00	612.00	
0114	Beldar	day	1.00	736.00	736.00	
	Priming Coat					
13.50.3	Rate as per Item Number 13.50.3 of SH:Finishing	sqm	3.00	67.40	202.20	A
9999	Sundries	L.S.	20.67	2.27	46.92	
	TOTAL				8308.87	W
	Add 1 % Water charges on “W-A”				81.07	
	TOTAL				8389.94	X
	Add GST on “X-A” (multiplying factor 0.2127)				1741.53	
	TOTAL				10131.47	Y
	Add 15% CPOH on “Y-A”				1489.39	
	TOTAL				11620.86	Z
	Add Cess @ 1% on “Z-A”				114.19	
	Cost of 1qunital				11735.05	
	Cost of 1 Kg.				117.35	
	Say				117.35	

10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a truss 7.6m clear span (weight = 3.95 quintal)					
	MATERIAL					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	1.60	5965.00	9544.00	
	(i) Principal rafter (T-iron) 100x100x10mm 9.5 @15kg/m = 142.50Kg+ Struts (angles)40x40x6mm 2x1.35=2.70m @ 3.5kg/m = 9.45kg Total =151.95kg+ Add wastage @ 5% = 7.60kg Total = 159.55kg. = 1.60q					
1009	Flats exceeding 10 mm in thickness	quintal	0.53	5500.00	2915.00	
	(ii) Ties (flats) 50x12mm 2x2.7 = 5.4m @4.7kg/m = 25.38kg+Ties central (flats) 50x10mm 1x2.80 = 2.8m @3.90kg/m = 10.92kg.+ Braces (flats)40x10mm 2x1.84 = 3.68m @3.9kg/m = 14.35kg. Total = 50.65kg+ Add wastage @ 5% = 2.53kg. Total = 53.18kg. = 0.53q					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1010	Mild steel plates (iii) Gusset plates 10mm thick 1x0.74x0.35m = 0.259sqm.+ shoe 4x0.46x0.46 = 0.846 sqm. Total = 1.105 sqm. 1.105 sqm.@ 78.4kg/m = 86.63kg. 12mm plates at the point of principal rafter and strut- 2x0.3x0.2 = 0.12sqm.+ Tie beam, brace and strut-2x0.5x0.3 = 0.30sqm.+ Sole plates- 2x0.46x0.46 = 0.42sqm.+ Anchor plate- 2x0.46x0.1 = 0.09sqm. Total = 0.93 sqm. Say 1.00 sqm. 1.0sqm. @ 94.4kg/m = 94.40kg. Total = 181.03 kg. Add wastage @ 5% = 9.05kg. Total = 190.08 kg or 1.90 qtl	quintal	1.90	5700.00	10830.00	
1020	Mild steel rivets (iv) 16mm dia. 50mm long rivets = 56 nos @ 0.10753 kg/each = 6.021 kgs, Add wastage @ 5% = 0.301, Total =6.322 kgs or 0.06 quintal	quintal	0.06	5100.00	306.00	
1221	20 mm dia holding down bolts (v) 20mm dia. (460mm long) holding down bolts with nut and washers, 4 Nos. @ 1.2125 kg/each = 4.85 kgs, Add wastage @ 5% = 0.243 total = 5.093 kgs or 0.05 quintal	quintal	0.05	6100.00	305.00	
2205	Carriage of Steel (0.160+0.053+0.190+ 0.006+0.005) =0.414 tonne Say 0.41 tonne	tonne	0.41	0.00	0.00	
	LABOUR					
0116	Fitter (grade 1)	day	2.70	897.00	2421.90	
0103	Blacksmith 2nd class	day	3.60	816.00	2937.60	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.40	816.00	4406.40	
0114	Beldar	day	3.60	736.00	2649.60	
0100	Bandhani	day	0.44	816.00	359.04	
13.50.3	Rate as per item no 13.50.3 of SH : Finishing Applying priming coat- T.Iron 9.5x0.4 = 3.80sqm.+ Struts 2.70x0.16 = 0.43sqm.+ Ties 5.4x0.124 = 0.67sqm.+ Ties 2.8x0.12 = 0.34 sqm.+ Braces 2x1.84x0.10 = 0.37 sqm.+ Total = 5.61 sqm.	sqm	5.61	67.40	378.11	A
9999	Sundries	L.S.	80.73	2.27	183.26	
	TOTAL				37235.91	W
	Add 1 % Water charges on “W-A”				368.58	
	TOTAL				37604.49	X
	Add GST on “X-A” (multiplying factor 0.2127)				7918.05	
	TOTAL				45522.54	Y
	Add 15% CPOH on “Y-A”				6771.66	
	TOTAL				52294.20	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z-A"				519.16	
	Cost for 3.95 quintal					
	-(1.52+0.51+1.81+0.06+0.05 = 3.95)				52813.36	
	Cost of 1.00kg				133.70	
	Say				133.70	

10.3 Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a gate 2.4mx1.5m = 3.6sqm.					
	MATERIAL					
	M.S. channels 18 Nos. on both sides					
	20x10x2mm @ 0.56kg/m					
	2x18x2.4 = 86.40m+					
	Add wastage @ 10% = 8.64m					
	Total = 95.04m					
	95.04m@0.56kg/m =53.22kg=0.53q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.53	5965.00	3161.45	
	M.S. Tee-40x40x6mm					
	for bottom-1.570m+					
	for top = 1.725m					
	Total =3.295m Say 3.3m					
	3.3m @ 3.5kg/m = 11.55kg+					
	Add wastage @ 10% = 1.155 Kg.					
	Total = 12.705Kg. Say 0.13q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.13	5965.00	775.45	
	20mmx5mm flat iron diagonals 4 Nos.					
	4x32x0.5334 = 68.275m					
	68.275m @ 0.8kg/m = 54.62kg+					
	Add wastage @10% = 5.46kg					
	Total = 60.08kg = 0.60q					
1008	Flats upto 10 mm in thickness	quintal	0.60	5450.00	3270.00	
2205	Carriage of Steel	tonne	0.126	0.00	0.00	
	(0.053+0.013+0.060=0.126 tonne)					
9999	Cost of rivets fixing hooks and washers	L.S.	269.10	2.27	610.86	
9999	Cost of locking arrangements and handles	L.S.	67.34	2.27	152.86	
4013	Pully 40 mm dia	each	10.00	40.00	400.00	
	Priming coat-					
	Channel - 36x0.076x2.4 = 6.57sqm.+					
	Tee-0.16x3.3 = 0.53sqm.+					
	Flats-0.05x68 = 3.40sqm.					
	Total = 10.50sqm.					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	10.50	67.40	707.70	A
	LABOUR					
0116	Fitter (grade 1)	day	3.00	897.00	2691.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0102	Blacksmith 1st class	day	6.00	897.00	5382.00	
0103	Blacksmith 2nd class	day	6.00	816.00	4896.00	
0123	Mason 1st class	day	0.50	897.00	448.50	
0124	Mason 2nd class	day	0.50	816.00	408.00	
0114	Beldar	day	8.00	736.00	5888.00	
9999	Sundries	L.S.	161.46	2.27	366.51	
	TOTAL				29158.33	W
	Add 1 % Water charges on “W-A”				284.51	
	TOTAL				29442.84	X
	Add GST on “X-A” (multiplying factor 0.2127)				6111.96	
	TOTAL				35554.80	Y
	Add 15% CPOH on “Y-A”				5227.07	
	TOTAL				40781.87	Z
	Add Cess @ 1% on “Z-A”				400.74	
	Cost of 3.6sqm.				41182.61	
	Cost per sqm.				11439.61	
	Say				11439.60	

10.4 Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T- iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one double leaf door size 2.4x2.4m = 5.76sqm.					
	MATERIAL					
	(i) M.S. sheet 1mm thick					
	5.76sqm. @ 7.85kg/sqm. = 45.216kg.+					
	Add wastage @ 10% = 4.522kg.					
	Total = 49.738kg = 0.497 q					
1013	Mild steel sheets for tanks	quintal	0.497	5500.00	2733.50	
	(ii) Gusset plates 3.00mm thick					
	Area of one gusset plates					
	0.3x0.04 = 0.0120+					
	1/2x0.26(0.04+0.3) = 0.0442					
	Total = 0.0562sqm.+					
	8x0.0562 = 0.4496sqm.+					
	2x22/7x1/4x0.3x0.3=0.1414sqm.					
	Total = 0.5910sqm.					
	0.5910sqm.@23.55kg/sqm.=13.92kg.+					
	Add wastage @ 10% = 1.39kg					
	Total = 15.31kg. or 0.153q					
1010	Mild steel plates	quintal	0.153	5700.00	872.10	
	(iii) Angle iron					
	40x40x6mm @ 3.5kg/m					
	Sides-4x2.4=9.6m+					
	Bottom & top 4x1.2 = 4.8m+					
	Diagonals-2x2.5=5.0m+					
	2x2.45 = 4.9m+					
	Top and bottom guides					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	2x4.8 = 9.6m					
	Top guide supports					
	7x0.8 = 2.1m					
	Total = 36.0m					
	36m @3.5kg. per m. = 126kg.+					
	Add wastage @ 10% = 12.6kg.					
	Total = 138.6kg. or 1.39q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	1.39	5965.00	8291.35	
	Channel 25x25x6mm @ 3.05kg/m					
	Bottom-2.4m : 2.4x3.05					
	Channel 40x40x6mm @ 5.56kg/m					
	0.5x5.56 = 2.78kg.					
	Total = 10.1kg.+					
	Add wastage @ 10% = 1.101kg.					
	Total = 11.11kg. or 0.11q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.11	5965.00	656.15	
2205	Carriage of Steel	tonne	0.216	0.00	0.00	
	(0.0497+0.015+0.139+0.11=0.2157 tonne)					
9999	(iv) Pully guide blocks including drilling holes	L.S.	269.10	2.27	610.86	
0969	Pully 25 mm dia	each	8.00	48.00	384.00	
9999	(vi) Handles and locking arrangements	L.S.	167.75	2.27	380.79	
9999	(vii) Bolts and rivets	L.S.	269.10	2.27	610.86	
9999	(viii)Cement concrete	L.S.	13.52	2.27	30.69	
	Priming coat-					
	M.S. Sheet 2x5.76 = 11.52+					
	Angle iron 0.16x36 = 5.76+					
	Channel-0.15x2.4=0.36+					
	0.24x0.5=0.12					
	Total = 17.76 Say 18.0sqm.					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	18.00	67.40	1213.20	A
	LABOUR					
0116	Fitter (grade 1)	day	2.00	897.00	1794.00	
0102	Blacksmith 1st class	day	3.00	897.00	2691.00	
0103	Blacksmith 2nd class	day	4.00	816.00	3264.00	
0114	Beldar	day	4.00	736.00	2944.00	
0123	Mason 1st class	day	0.06	897.00	53.82	
0124	Mason 2nd class	day	0.06	816.00	48.96	
9999	Sundries	L.S.	161.46	2.27	366.51	
	TOTAL				26945.79	W
	Add 1 % Water charges on “W-A”				257.33	
	TOTAL				27203.12	X
	Add GST on “X-A” (multiplying factor 0.2127)				5528.06	
	TOTAL				32731.18	Y
	Add 15% CPOH on “Y-A”				4727.70	
	TOTAL				37458.88	Z
	Add Cess @ 1% on “Z-A”				362.46	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 5.76 sqm.				37821.34	
	Cost per sqm.				6566.20	
	Say				6566.20	

10.5 Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.

10.5.1 Using M.S. angels 40x40x6 mm for diagonal braces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a double leaf door of size 2.4mx2.4m=5.76sqm.					
	MATERIAL					
	(i) M.S. sheet 1mm thick					
	5.76sqm. @ 7.85kg/sqm. = 45.216kg.+					
	Add wastage @ 10% = 4.522kg.					
	Total = 49.738kg = 0.497 q					
1013	Mild steel sheets for tanks	quintal	0.497	5500.00	2733.50	
	(ii) Gusset plates 3.00mm thick					
	Area of one gusset plates					
	0.3x0.04 = 0.0120+					
	1/2x0.26(0.04+0.3) = 0.0442					
	Total = 0.0562sqm.+					
	8x0.0562 = 0.4496sqm.+					
	2x22/7x1/4x0.3x0.3=0.1414sqm.					
	Total = 0.5910sqm.					
	0.5910sqm.@23.55kg/sqm.=13.92kg.+					
	Add wastage @ 10% = 1.39kg					
	Total = 15.31kg. or 0.153q					
1010	Mild steel plates	quintal	0.153	5700.00	872.10	
	(iii) Angle iron:40x40x6mm @3.5kg/m					
	Sides-4x2.40 = 9.6m+					
	Top & bottom-4x1.20=4.8m+					
	Diagonals-2x2.5=5.0m+					
	2x2.45 = 4.9m+					
	Total = 24.30m+					
	Add wastage @ 10% = 2.43m					
	Total =26.73m					
	26.73m @ 3.5kg. per m. = 93.56kg=0.936q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.936	5965.00	5583.24	
2205	Carriage of Steel	tonne	0.159	0.00	0.00	
	(0.0497+0.0153+0.0936 tonne) = 0.1586 t say 0.159 tonne					
1036	Iron pintels including welded pin	each	4.000	37.00	148.00	
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	4.000	120.00	480.00	
1019	Mild steel hooks	each	2.000	32.00	64.00	
9999	Locking arrangements and handles	L.S.	167.700	2.27	380.68	
9999	Rivets	L.S.	269.100	2.27	610.86	
	Priming coat-					
	M.S. sheet = 11.52					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Angle iron-0.16x24.3 = 3.89					
	Total = 15.41					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	15.410	67.40	1038.63	A
	LABOUR					
0116	Fitter (grade 1)	day	2.000	897.00	1794.00	
0102	Blacksmith 1st class	day	3.000	897.00	2691.00	
0103	Blacksmith 2nd class	day	4.000	816.00	3264.00	
0123	Mason 1st class	day	0.060	897.00	53.82	
0124	Mason 2nd class	day	0.060	816.00	48.96	
0114	Beldar	day	5.000	736.00	3680.00	
9999	Sundries	L.S.	161.460	2.27	366.51	
	TOTAL				23809.30	W
	Add 1 % Water charges on “W-A”				227.71	
	TOTAL				24037.01	X
	Add GST on “X-A” (multiplying factor 0.2127)				4891.76	
	TOTAL				28928.77	Y
	Add 15% CPOH on “Y-A”				4183.52	
	TOTAL				33112.29	Z
	Add Cess @ 1% on “Z-A”				320.74	
	Cost of 5.76 sqm.				33433.03	
	Cost per sqm.				5804.35	
	Say				5804.35	

10.5.2 Using flats 30x6mm for diagonal braces and central cross piece

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a double leaf door of size 2.4x2.4m = 5.76sqm.					
	MATERIAL					
	(i) M.S. sheet 1mm thick					
	5.76sqm. @ 7.85kg/sqm. = 45.216kg.+					
	Add wastage @ 10% = 4.522kg.					
	Total = 49.738kg = 0.497 q					
1013	Mild steel sheets for tanks	quintal	0.497	5500.00	2733.50	
	(ii) Gussets plates-3.00mm thick vide (ii) in item 10.6 = 0.5910sqm.+					
	at mid height = 4x0.0528 = 0.2112sqm.					
	Total = 0.8022sqm.+					
	Add wastage @ 10% = 0.0802sqm.					
	Total =0.8824sqm.@ 23.55 kg/sqm =20.78 kg					
	Grand Total=0.2078 qtl say 0.208 qtl					
1010	Mild steel plates	quintal	0.208	5700.00	1185.60	
	(iii) Angle iron:40x40x6mm @3.5kg/m					
	Sides-4x2.40 = 9.6m+					
	Top & bottom-4x1.20=4.8m+					
	Total = 14.40m+					
	Add wastage @ 10% = 1.44m					
	Total = 15.84m					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	15.84m @ 3.5kg. per m. = 55.44kg = 0.554qtl					
1007	Structurals such as tees,angles channels and R.S. joists (iv) Flats 30x6mm @1.4kg/m 4x2.45=9.80m+ 2x1.20=2.40m Total = 12.20m+ Add wastage @ 10% = 1.22m Total = 13.42m 13.42m @ 1.4kg. per m. = 18.8kg. = 0.188q	quintal	0.554	5965.00	3304.61	
1008	Flats upto 10 mm in thickness Carriage of (i) (ii) and (iv) 0.0497+0.0208+0.0554+0.0188=0.1447 tonne say 0.145 tonne	quintal	0.188	5450.00	1024.60	
2205	Carriage of Steel	tonne	0.145	0.00	0.00	
1036	Iron pintels including welded pin	each	4.00	37.00	148.00	
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	4.00	120.00	480.00	
1019	Mild steel hooks	each	2.00	32.00	64.00	
9999	Locking arrangements and handles	L.S.	167.70	2.27	380.68	
9999	Rivets Applying priming coat- M.S. sheet = 11.52 Angle iron-0.16x24.3 = 3.89 0.16x14.40 = 2.30+ Flats 0.072x12.2 = 0.88 Total = 14.70sqm.	L.S.	269.10	2.27	610.86	
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	14.70	67.40	990.78	A
0116	Fitter (grade 1)	day	2.00	897.00	1794.00	
0102	Blacksmith 1st class	day	3.00	897.00	2691.00	
0103	Blacksmith 2nd class	day	4.00	816.00	3264.00	
0123	Mason 1st class	day	0.06	897.00	53.82	
0124	Mason 2nd class	day	0.06	816.00	48.96	
0114	Beldar	day	5.00	736.00	3680.00	
9999	Sundries	L.S.	161.46	2.27	366.51	
	TOTAL				22820.92	W
	Add 1 % Water charges on “W-A”				218.30	
	TOTAL				23039.22	X
	Add GST on “X-A” (multiplying factor 0.2127)				4689.70	
	TOTAL				27728.92	Y
	Add 15% CPOH on “Y-A”				4010.72	
	TOTAL				31739.64	Z
	Add Cess @ 1% on “Z-A”				307.49	
	Cost of 5.76 sqm.				32047.13	
	Cost per sqm.				5563.74	
	Say				5563.75	

10.6 Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.

10.6.1 80x1.25 mm M.S. laths with 1.25 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a shutter of size 3mx-2.5m = 7.5sqm.					
	MATERIAL					
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	7.50	1600.00	12000.00	
0974	Top cover for rolling shutters 1.25 mm thick	metre	2.50	920.00	2300.00	
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	330.00	330.00	
9977	CARRIAGE	L.S.	53.82	2.27	122.17	
	LABOUR					
0116	Fitter (grade 1)	day	2.55	897.00	2287.35	
0114	Beldar	day	2.55	736.00	1876.80	
0123	Mason 1st class	day	0.12	897.00	107.64	
0124	Mason 2nd class	day	0.12	816.00	97.92	
9999	Sundries	L.S.	60.58	2.27	137.52	
	TOTAL				19259.40	W
	Add 1 % Water charges on “W”				192.59	
	TOTAL				19451.99	X
	Add GST on “X” (multiplying factor 0.2127)				4137.44	
	TOTAL				23589.43	Y
	Add 15% CPOH on “Y”				3538.41	
	TOTAL				27127.84	Z
	Add Cess @ 1% on “Z”				271.28	
	Cost of 7.5sqm.				27399.12	
	Cost per sqm.				3653.22	
	Say				3653.20	

10.6.2 80x1.20 mm M.S. laths with 1.20 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a shutter of size 3mx-2.5m = 7.5sqm.					
	MATERIAL					
7045	Rolling shutters of 80x1.2 mm laths	sqm	7.50	1458.00	10935.00	
7047	Top cover of Rolling shutters 1.20 mm thick	metre	2.50	616.00	1540.00	
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	330.00	330.00	
9977	CARRIAGE	L.S.	53.82	2.27	122.17	
	LABOUR					
0116	Fitter (grade 1)	day	2.55	897.00	2287.35	
0114	Beldar	day	2.55	736.00	1876.80	
0123	Mason 1st class	day	0.12	897.00	107.64	
0124	Mason 2nd class	day	0.12	816.00	97.92	
9999	Sundries	L.S.	60.58	2.27	137.52	
	TOTAL				17434.40	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				174.34	
	TOTAL				17608.74	X
	Add GST on “X” (multiplying factor 0.2127)				3745.38	
	TOTAL				21354.12	Y
	Add 15% CPOH on “Y”				3203.12	
	TOTAL				24557.24	Z
	Add Cess @ 1% on “Z”				245.57	
	Cost of 7.5sqm.				24802.81	
	Cost per sqm.				3307.04	
	Say				3307.05	

10.6.3 80x0.90 mm M.S. laths with 0.90 mm thick top cover

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a shutter of size 3mx-2.5m = 7.5sqm.					
	MATERIAL					
7044	Rolling shutters of 80x0.90 mm laths	sqm	7.50	1417.00	10627.50	
7046	Top cover of Rolling shutters 0.90 mm thick	metre	2.50	495.00	1237.50	
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	330.00	330.00	
9977	CARRIAGE	L.S.	53.82	2.27	122.17	
	LABOUR					
0116	Fitter (grade 1)	day	2.55	897.00	2287.35	
0114	Beldar	day	2.55	736.00	1876.80	
0123	Mason 1st class	day	0.12	897.00	107.64	
0124	Mason 2nd class	day	0.12	816.00	97.92	
9999	Sundries	L.S.	60.58	2.27	137.52	
	TOTAL				16824.40	W
	Add 1 % Water charges on “W”				168.24	
	TOTAL				16992.64	X
	Add GST on “X” (multiplying factor 0.2127)				3614.33	
	TOTAL				20606.97	Y
	Add 15% CPOH on “Y”				3091.05	
	TOTAL				23698.02	Z
	Add Cess @ 1% on “Z”				236.98	
	Cost of 7.5sqm.				23935.00	
	Cost per sqm.				3191.33	
	Say				3191.35	

10.7 Providing and fixing ball bearing for rolling shutters.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 No.					
0976	Ball bearing for rolling shutters	each	1.00	285.00	285.00	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				346.09	W
	Add 1 % Water charges on “W”				3.46	
	TOTAL				349.55	X
	Add GST on “X” (multiplying factor 0.2127)				74.35	
	TOTAL				423.90	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on “Y”				63.59	
	TOTAL				487.49	Z
	Add Cess @ 1% on “Z”				4.87	
	Cost of 1 no.				492.36	
	Say				492.35	

10.8 Extra for providing mechanical device chain and crank operation for operating rolling shutters.

10.8.1 Exceeding 10.00 sqm and upto 16.80 sqm in the area

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one sqm.					
0977	Extra for mechanical devices chain and cranked operation for operatingrolling shutters : exceeding 10.00 sq.m and upto 16.80 sq.m area of door	sqm	1.00	870.00	870.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				900.69	W
	Add 1 % Water charges on “W”				9.01	
	TOTAL				909.70	X
	Add GST on “X” (multiplying factor 0.2127)				193.49	
	TOTAL				1103.19	Y
	Add 15% CPOH on “Y”				165.48	
	TOTAL				1268.67	Z
	Add Cess @ 1% on “Z”				12.69	
	Cost of 1 sqm.				1281.36	
	Say				1281.35	

10.8.2 Exceeding 16.80 sqm in area

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one sqm.					
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 16.80 sq.m area of door	sqm	1.00	800.00	800.00	
9999	Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				830.69	W
	Add 1 % Water charges on “W”				8.31	
	TOTAL				839.00	X
	Add GST on “X” (multiplying factor 0.2127)				178.46	
	TOTAL				1017.46	Y
	Add 15% CPOH on “Y”				152.62	
	TOTAL				1170.08	Z
	Add Cess @ 1% on “Z”				11.70	
	Cost of 1 sqm.				1181.78	
	Say				1181.80	

10.9 Extra for providing grilled rolling shutters manufactured out of 8 mm dia M.S. bar instead of laths as per design approved by Engineer-in- charge, (area of grill to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a shutter of width 2.5m and grill height 0.6m Grill Area = 1.50sqm. MATERIAL					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	1.50	540.00	810.00	
	TOTAL				810.00	W
	Add 1 % Water charges on “W”				8.10	
	TOTAL				818.10	X
	Add GST on “X” (multiplying factor 0.2127)				174.01	
	TOTAL				992.11	Y
	Add 15% CPOH on “Y”				148.82	
	TOTAL				1140.93	Z
	Add Cess @ 1% on “Z”				11.41	
	Cost of 1.5sqm.				1152.34	
	Cost per sqm.				768.23	
	Say				768.25	

10.10 Fixing standard steel glazed doors, windows and ventilators in walls, including fixing of float glass panes with glazing clips and special metal-sash putty of approved make, or metal beading with screws, (only steel windows, glass panes cut to size and glazing clips or metal beading with screws, shall be supplied by department free of cost.

10.10.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door 2x0.76m = 1.52sqm.(weight 15 kg)					
	MATERIAL					
	Cement concrete blocks 15x10x10cm =6x0.15x0.10x0.10= 0.009 cum					
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	9311.40	83.80	A
	LABOUR					
0102	Blacksmith 1st class	day	0.17	897.00	152.49	
0123	Mason 1st class	day	0.08	897.00	71.76	
0124	Mason 2nd class	day	0.08	816.00	65.28	
0114	Beldar	day	0.50	736.00	368.00	
9977	Sundries for carriage of material	L.S.	67.28	2.27	152.73	
	TOTAL				894.06	W
	Add 1 % Water charges on “W-A”				8.10	
	TOTAL				902.16	X
	Add GST on “X-A” (multiplying factor 0.2127)				174.07	
	TOTAL				1076.23	Y
	Add 15% CPOH on “Y-A”				148.86	
	TOTAL				1225.09	Z
	Add Cess @ 1% on “Z-A”				11.41	
	Cost of 15 kg				1236.50	
	Cost per kg				82.43	
	Say				82.45	

10.10.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one door 2x0.76m = 1.52sqm.(weight 15 kg)					
	LABOUR					
0123	Mason 1st class	day	0.17	897.00	152.49	
0114	Beldar	day	0.17	736.00	125.12	
9977	Sundries for Carriage of material	L.S.	67.28	2.27	152.73	
	TOTAL				430.34	W
	Add 1 % Water charges on “W”				4.30	
	TOTAL				434.64	X
	Add GST on “X” (multiplying factor 0.2127)				92.45	
	TOTAL				527.09	Y
	Add 15% CPOH on “Y”				79.06	
	TOTAL				606.15	Z
	Add Cess @ 1% on “Z”				6.06	
	Cost of 15 kg				612.21	
	Cost per kg				40.81	
	Say				40.80	

10.11 Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, priming coat of approved steel primer, but excluding the cost of other fittings,glass panes complete all as per approved design, (sectional weight of only steel members shall be measured for payment).

10.11.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. double leaf door of size 2.075x1.175m = 2.44 sqm. (weight10x 30=300 kg).					
	MATERIAL					
1011	Steel glazed door,window/ ventilator, all members like as F7D, F4B, K11 and K12B etc.	kg	300.000	59.00	17700.00	
9977	Carriage of Steel Door	L.S.	403.700	2.27	916.40	
	Labour for fabrication					
0103	Blacksmith 2nd class	day	1.700	816.00	1387.20	
0116	Fitter (grade 1)	day	2.600	897.00	2332.20	
0114	Beldar	day	3.400	736.00	2502.40	
9999	Sundries	L.S.	153.700	2.27	348.90	
	Fixing with CC 1:3:6 blocks, wooden plugs and screws or rawl plugs and screws or with fixing clips and bolts and nuts as required					
	MATERIAL					
	Cement concrete blocks 15x10x10cm =10x6x0.15x0.10x0.10= 0.09 cum					
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.090	9311.40	838.03	A
	Labour for fixing for 10 Nos.door/window					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.270	736.00	198.72	
0115	Collie	day	0.195	736.00	143.52	
0130	Mistry	day	0.084	897.00	75.35	
0128	Mate	day	0.012	816.00	9.79	
9999	Hire charges of machine, scaffolding and sundries	L.S.	122.200	2.27	277.39	
	Apply steel primer (10x2.44x1.00 for both sides)=24.40 sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	24.400	67.40	1644.56	A
	TOTAL				28374.46	W
	Add 1 % Water charges on “W-A”				258.92	
	TOTAL				28633.38	X
	Add GST on “X-A” (multiplying factor 0.2127)				5562.27	
	TOTAL				34195.65	Y
	Add 15% CPOH on “Y-A”				4756.96	
	TOTAL				38952.61	Z
	Add Cess @ 1% on “Z-A”				364.70	
	Cost for 300 kg.				39317.31	
	Cost of 1 kg.				131.06	
	Say				131.05	

10.11.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. double leaf door of size 2.075x1.175m = 2.44 sqm. (weight 30 kg).					
	Weight for 10 Nos. door = 10x30 = 300 kg					
	MATERIAL					
1011	Steel glazed door,window/ ventilator, all members like as F7D, F4B, K11 and K12B etc.	kg	300.000	59.00	17700.00	
9977	Carriage of Steel Door	L.S.	403.700	2.27	916.40	
	Labour for fabrication					
0103	Blacksmith 2nd class	day	1.700	816.00	1387.20	
0116	Fitter (grade 1)	day	2.600	897.00	2332.20	
0114	Beldar	day	3.400	736.00	2502.40	
9999	Sundries	L.S.	153.700	2.27	348.90	
	Labour for fixing					
0114	Beldar	day	0.270	736.00	198.72	
0115	Collie	day	0.195	736.00	143.52	
0130	Mistry	day	0.084	897.00	75.35	
0128	Mate	day	0.012	816.00	9.79	
9999	Hire charges of drill machine, scaffolding and sundries	L.S.	122.200	2.27	277.39	
	Apply steel primer (2.44x1.00 for both sides)= 10x2.44 sqm = 24.4 sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	24.400	67.40	1644.56	A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				27536.43	W
	Add 1 % Water charges on "W-A"				258.92	
	TOTAL				27795.35	X
	Add GST on "X-A" (multiplying factor 0.2127)				5562.27	
	TOTAL				33357.62	Y
	Add 15% CPOH on "Y-A"				4756.96	
	TOTAL				38114.58	Z
	Add Cess @ 1% on "Z-A"				364.70	
	Cost for 300 kg.				38479.28	
	Cost of 1 kg.				128.26	
	Say				128.25	

10.12 Extra for providing and fixing steel beading of size 10 x 10 x 1.6 mm (box type), approved shape and section with screws instead of glazing clips and metal sash putty, in steel doors, windows, ventilators and composite units.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 1 metre beading for doors, windows, Ventilators and composit units					
1143	Steel beading size 10 x 10 x 1.6 mm (box type)	metre	1.00	27.00	27.00	
9999	Applying priming coat	L.S.	0.46	2.27	1.04	
9999	Fixing charges	L.S.	3.01	2.27	6.83	
	TOTAL				34.87	W
	Add 1 % Water charges on "W"				0.35	
	TOTAL				35.22	X
	Add GST on "X" (multiplying factor 0.2127)				7.49	
	TOTAL				42.71	Y
	Add 15% CPOH on "Y"				6.41	
	TOTAL				49.12	Z
	Add Cess @ 1% on "Z"				0.49	
	Cost of 1 metre				49.61	
	Say				49.60	

10.13 Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.

10.13.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 17.5Kg. MATERIAL Tee iron 40x40x6mm = 2m+2m+1m = 5 metres 5 metres @3.5Kg/m = 17.5kg.+ Add wastage @ 5% = 0.87Kg. Total = 18.37 kg. Say 0.18 qunital					
1007	Structurals such as tees,angles channels and R.S. joists M.S. bars 10mm = 1x1m = 1 metre 1 metre @ 0.60kg/m = 0.60Kg.+	quintal	0.18	5965.00	1073.70	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add wastage @ 5% = 0.03Kg.					
	Total = 0.63 Kg. Say = 0.006 qunital					
1002	Mild steel round bar 12 mm dia and below	quintal	0.006	5550.00	33.30	
	M.S. flat 15x3mm = 6x10cm = 0.60 metre					
	0.6 metre @ 0.35kg/m = 0.21Kg+					
	Add wastage @ 5% = 0.01 Kg.					
	Total = 0.22 kg = 0.002q.					
1008	Flats upto 10 mm in thickness	quintal	0.002	5450.00	10.90	
	Cement concrete block 1:3:6- 6x15x10x-10cm= 0.009 cum					
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	9311.40	83.80	A
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	For screws and nuts and bolts	L.S.	35.88	2.27	81.45	
9999	For applying steel primer	L.S.	17.94	2.27	40.72	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0103	Blacksmith 2nd class	day	0.10	816.00	81.60	
0116	Fitter (grade 1)	day	0.15	897.00	134.55	
0114	Beldar	day	0.20	736.00	147.20	
9999	Sundries	L.S.	8.97	2.27	20.36	
	TOTAL				1767.68	W
	Add 1 % Water charges on “W-A”				16.84	
	TOTAL				1784.52	X
	Add GST on “X-A” (multiplying factor 0.2127)				361.74	
	TOTAL				2146.26	Y
	Add 15% CPOH on “Y-A”				309.37	
	TOTAL				2455.63	Z
	Add Cess @ 1% on “Z-A”				23.72	
	Cost for 17.5Kg.				2479.35	
	Cost for 1 Kg.				141.68	
	Say				141.70	

10.13.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 17.5Kg.					
	MATERIAL					
	Tee iron 40x40x6mm = 2m+2m+1m = 5 metres					
	5 metres @3.5Kg/m = 17.5kg.+					
	Add wastage @ 5% = 0.87Kg.					
	Total = 18.37 kg. Say 0.18 qunital					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.18	5965.00	1073.70	
	M.S. bars 10mm = 1x1m = 1 metre					
	1 metre @ 0.60kg/m = 0.60Kg.+					
	Add wastage @ 5% = 0.03Kg.					
	Total = 0.63 Kg. Say = 0.006 qunital					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1002	Mild steel round bar 12 mm dia and below	quintal	0.006	5550.00	33.30	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	For screws and nuts and bolts	L.S.	35.88	2.27	81.45	
9999	For applying steel primer	L.S.	17.94	2.27	40.72	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0103	Blacksmith 2nd class	day	0.10	816.00	81.60	
0116	Fitter (grade 1)	day	0.15	897.00	134.55	
0114	Beldar	day	0.20	736.00	147.20	
9999	Sundries	L.S.	8.97	2.27	20.36	
	TOTAL				1672.98	W
	Add 1 % Water charges on “W”				16.73	
	TOTAL				1689.71	X
	Add GST on “X” (multiplying factor 0.2127)				359.40	
	TOTAL				2049.11	Y
	Add 15% CPOH on “Y”				307.37	
	TOTAL				2356.48	Z
	Add Cess @ 1% on “Z”				23.56	
	Cost for 17.5Kg.				2380.04	
	Cost for 1 Kg.				136.00	
	Say				136.00	

10.14 Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:

10.14.1 Profile B

10.14.1.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 metre					
	MATERIAL					
4006	Pressed steel door frames (mild steel sheet 1.60mm) Profile “B” frame 2+2+1m=5m	metre	5.00	260.00	1300.00	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	Screws, nuts and bolts	L.S.	35.88	2.27	81.45	
	50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	5965.00	178.95	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0116	Fitter (grade 1)	day	0.15	897.00	134.55	
0114	Beldar	day	0.20	736.00	147.20	
9999	Sundries	L.S.	8.97	2.27	20.36	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	67.40	181.31	A
	TOTAL				2103.92	W
	Add 1 % Water charges on “W-A”				19.23	
	TOTAL				2123.15	X
	Add GST on “X-A” (multiplying factor 0.2127)				413.03	
	TOTAL				2536.18	Y
	Add 15% CPOH on “Y-A”				353.23	
	TOTAL				2889.41	Z
	Add Cess @ 1% on “Z-A”				27.08	
	Cost for 5 metres				2916.49	
	Cost for 1 metre				583.30	
	Say				583.30	

10.14.1.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 metre					
	MATERIAL					
4006	Pressed steel door frames (mild steel sheet 1.60mm) Profile “B” frame 2+2+1m=5m	metre	5.00	260.00	1300.00	
9999	Deduct sundries for not providing adjustable lugs	L.S.	-20.00	2.27	-45.40	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	Screws, nuts and bolts	L.S.	35.88	2.27	81.45	
	50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	5965.00	178.95	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0116	Fitter (grade 1)	day	0.15	897.00	134.55	
0114	Beldar	day	0.20	736.00	147.20	
9999	Sundries	L.S.	8.97	2.27	20.36	
	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	67.40	181.31	A
	TOTAL				2058.52	W
	Add 1 % Water charges on “W-A”				18.77	
	TOTAL				2077.29	X
	Add GST on “X-A” (multiplying factor 0.2127)				403.27	
	TOTAL				2480.56	Y
	Add 15% CPOH on “Y-A”				344.89	
	TOTAL				2825.45	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z-A”				26.44	
	Cost for 5 metres				2851.89	
	Cost for 1metre				570.38	
	Say				570.40	

10.14.2 Profile C

10.14.2.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 metre					
	MATERIAL					
4007	Pressed steel door frames (mild steel sheet 1.60mm) Profile “C” 2+2+1m=5m	metre	5.00	280.00	1400.00	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	Screws, nuts and bolts	L.S.	35.88	2.27	81.45	
	50x25x5mm. M.S. Angle for threshold					
	1 metre @ 2.75kg per uds =2.75kg.					
	Say 0.03q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	5965.00	178.95	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0116	Fitter (grade 1)	day	0.15	897.00	134.55	
0114	Beldar	day	0.20	736.00	147.20	
9999	Sundries	L.S.	8.97	2.27	20.36	
	Steel primer					
	500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	67.40	181.31	A
	TOTAL				2203.92	W
	Add 1 % Water charges on “W-A”				20.23	
	TOTAL				2224.15	X
	Add GST on “X-A” (multiplying factor 0.2127)				434.51	
	TOTAL				2658.66	Y
	Add 15% CPOH on “Y-A”				371.60	
	TOTAL				3030.26	Z
	Add Cess @ 1% on “Z-A”				28.49	
	Cost for 5 metres				3058.75	
	Cost for 1 metre				611.75	
	Say				611.75	

10.14.2.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 metre					
	MATERIAL					
4007	Pressed steel door frames (mild steel sheet 1.60mm) Profile “C” 2+2+1m=5m	metre	5.00	280.00	1400.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries for not providing adjustable lugs(-)	L.S.	-20.00	2.27	-45.40	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	Screws, nuts and bolts	L.S.	35.88	2.27	81.45	
	50x25x5mm. M.S. Angle for threshold					
	1 metre @ 2.75kg per uds =2.75kg.					
	Say 0.03q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	5965.00	178.95	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0116	Fitter (grade 1)	day	0.15	897.00	134.55	
0114	Beldar	day	0.20	736.00	147.20	
9999	Sundries	L.S.	8.97	2.27	20.36	
	Steel primer					
	500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	67.40	181.31	A
	TOTAL				2158.52	W
	Add 1 % Water charges on “W-A”				19.77	
	TOTAL				2178.29	X
	Add GST on “X-A” (multiplying factor 0.2127)				424.76	
	TOTAL				2603.05	Y
	Add 15% CPOH on “Y-A”				363.26	
	TOTAL				2966.31	Z
	Add Cess @ 1% on “Z-A”				27.85	
	Cost for 5 metres				2994.16	
	Cost for 1 metre				598.83	
	Say				598.85	

10.14.3 Profile E

10.14.3.1 Fixing with adjustable lugs with split end tail to each jamb

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 metre					
	MATERIAL					
4008	Pressed steel door frames (mild steel sheet 1.60mm) Profile “E”	metre	5.00	300.00	1500.00	
	2+2+1m=5m					
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	Screws, nuts and bolts	L.S.	35.88	2.27	81.45	
	50x25x5mm. M.S. Angle for threshold					
	1 metre @ 2.75kg per uds =2.75kg.					
	Say 0.03q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	5965.00	178.95	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0116	Fitter (grade 1)	day	0.15	897.00	134.55	
0114	Beldar	day	0.20	736.00	147.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	8.97	2.27	20.36	
	Steel primer					
	500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	67.40	181.31	A
	TOTAL				2303.92	W
	Add 1 % Water charges on “W-A”				21.23	
	TOTAL				2325.15	X
	Add GST on “X-A” (multiplying factor 0.2127)				455.99	
	TOTAL				2781.14	Y
	Add 15% CPOH on “Y-A”				389.97	
	TOTAL				3171.11	Z
	Add Cess @ 1% on “Z-A”				29.90	
	Cost for 5 metres				3201.01	
	Cost for 1 metre				640.20	
	Say				640.20	

10.14.3.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 metre					
	MATERIAL					
4008	Pressed steel door frames (mild steel sheet 1.60mm) Profile “E”	metre	5.00	300.00	1500.00	
	2+2+1m=5m					
9999	Sundries for not providing adjustable lugs (-)	L.S.	-20.00	2.27	-45.40	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	Screws, nuts and bolts	L.S.	35.88	2.27	81.45	
	50x25x5mm. M.S. Angle for threshold					
	1 metre @ 2.75kg per uds =2.75kg.					
	Say 0.03q					
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	5965.00	178.95	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0116	Fitter (grade 1)	day	0.15	897.00	134.55	
0114	Beldar	day	0.20	736.00	147.20	
9999	Sundries	L.S.	8.97	2.27	20.36	
	Steel primer					
	500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	67.40	181.31	A
	TOTAL				2258.52	W
	Add 1 % Water charges on “W-A”				20.77	
	TOTAL				2279.29	X
	Add GST on “X-A” (multiplying factor 0.2127)				446.24	
	TOTAL				2725.53	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y-A"				381.63	
	TOTAL				3107.16	Z
	Add Cess @ 1% on "Z-A"				29.26	
	Cost for 5 metres				3136.42	
	Cost for 1 metre				627.28	
	Say				627.30	

10.15 Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.

10.15.1 Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 7.13Kg.					
	MATERIAL					
	L- section - 32x22x28mm 1.60mm thick					
	2.00+2.00+1.00 = 5.00 m					
	Width of MS sheet = 32+24.80+22+					
	24.80+10mm = 113.60mm = 0.1136 m					
	Area of MS sheet = 0.1136x5.00x0.0016 = 0.0009088 sqm					
	Weight of Sheet = 0.0009088x7850 =7.134 kg					
	Add wastage @ 5% = 0.357Kg.					
	Total = 7.491 kg Say 7.49 kg					
4011	Mild steel tubes electric resistant or induction butt welded	kilogram	7.49	72.00	539.28	
	M.S. bars 10mm = 1x1m = 1 metre					
	1 metre @ 0.60kg/m = 0.60Kg.					
	Add wastage @ 5% = 0.03Kg.					
	Total = 0.63 Kg. Say = 0.006 qunital					
1002	Mild steel round bar 12 mm dia and below	quintal	0.006	5550.00	33.30	
	M.S. flat 15x3mm = 6x10cm = 0.60 metre					
	0.6 metre @ 0.35kg/m = 0.21Kg					
	Add wastage @ 5% = 0.01 Kg.					
	Total = 0.22 kg = 0.002q					
1008	Flats upto 10 mm in thickness	quintal	0.002	5450.00	10.90	
	Cement concrete block 1:3:6- 6x15x10x-10cm= 0.009 cum					
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	9311.40	83.80	A
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	For screws and nuts and bolts	L.S.	35.88	2.27	81.45	
9999	For applying steel primer	L.S.	17.94	2.27	40.72	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0103	Blacksmith 2nd class	day	0.04	816.00	32.64	
0116	Fitter (grade 1)	day	0.06	897.00	53.82	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.08	736.00	58.88	
9999	Sundries	L.S.	3.64	2.27	8.26	
	TOTAL				1003.15	W
	Add 1 % Water charges on “W-A”				9.19	
	TOTAL				1012.34	X
	Add GST on “X-A” (multiplying factor 0.2127)				197.50	
	TOTAL				1209.84	Y
	Add 15% CPOH on “Y-A”				168.91	
	TOTAL				1378.75	Z
	Add Cess @ 1% on “Z-A”				12.95	
	Cost for 7.13Kg.				1391.70	
	Cost for 1 Kg.				195.19	
	Say				195.20	

10.15.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 7.13Kg.					
	MATERIAL					
	L- section - 32x22x28mm 1.60mm thick					
	2.00+2.00+1.00 = 5.00 m					
	Width of MS sheet = 32+24.80+22+24.80+ 10mm = 113.60mm = 0.1136 m					
	Area of MS sheet = 0.1136x5.00x0.0016 = 0.0009088 sqm					
	Weight of Sheet = 0.0009088x7850 =7.134 kg					
	Add wastage @ 5% = 0.357Kg.					
	Total = 7.491 kg Say 7.49 kg					
4011	Mild steel tubes electric resistant or induction butt welded	kilo-gram	7.49	72.00	539.28	
	M.S. bars 10mm = 1x1m = 1 metre					
	1 metre @ 0.60kg/m = 0.60Kg.					
	Add wastage @ 5% = 0.03Kg.					
	Total = 0.63 Kg. Say = 0.006 qunital					
1002	Mild steel round bar 12 mm dia and below	quintal	0.006	5550.00	33.30	
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	80.00	48.00	
9999	For screws and nuts and bolts	L.S.	35.88	2.27	81.45	
9999	For applying steel primer	L.S.	17.94	2.27	40.72	
9977	Carriage of material	L.S.	5.33	2.27	12.10	
	LABOUR					
0103	Blacksmith 2nd class	day	0.04	816.00	32.64	
0116	Fitter (grade 1)	day	0.06	897.00	53.82	
0114	Beldar	day	0.08	736.00	58.88	
9999	Sundries	L.S.	3.64	2.27	8.26	
	TOTAL				908.45	W
	Add 1 % Water charges on “W”				9.08	
	TOTAL				917.53	X
	Add GST on “X” (multiplying factor 0.2127)				195.16	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1112.69	Y
	Add 15% CPOH on "Y"				166.90	
	TOTAL				1279.59	Z
	Add Cess @ 1% on "Z"				12.80	
	Cost for 7.13Kg.				1292.39	
	Cost for 1 Kg.				181.26	
	Say				181.25	

10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.

10.16.1 Hot finished welded type tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a truss of span 8 metre weight = 119 kg.					
	MATERIAL					
	50mm dia. tube					
	Tie beam-1x8.0m = 8.00m+					
	Principal rafter 2x4.30m = 8.60m					
	Total = 16.60m					
	16.60m @ 5.10kg./m = 84.66kg.					
	40mm dia. tube					
	Members = 2(0.45+1.25+0.90+2.15)					
	Total = 2x4.75=9.50m					
	9.50m @ 3.61kg/m = 34.60Kg.					
	Total = 118.96kg.					
	Add wastage @ 5% = 5.94Kg.					
	Total = 124.90Kg. Say 125 kg					
4009	Mild steel tubes hot finished welded type	kilo-gram	125.00	72.00	9000.00	
2205	Carriage of Steel	tonne	0.125	0.00	0.00	
	Priming coat					
	50mm dia. tube 16.60x0.157m = 2.61sqm.					
	40mm dia. tube 9.50x0.125m = 1.19 sqm.					
	Total = 3.80 sqm.					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	3.80	67.40	256.12	A
	Welding charges:-					
	Rafter:- 4x22/7x6.03 = 75.80cm.+					
	Ties:- 2x22/7x6.03=37.90cm.+					
	Members:- 2x4x2x22/7x4.83=242.87cm					
	Total= 356.57cm say 357cm					
1215	Welding by electric plant	cm	357.00	2.50	892.50	
	LABOUR					
	For cutting, assembling & erection					
0102	Blacksmith 1st class	day	1.50	897.00	1345.50	
0100	Bandhani	day	0.75	816.00	612.00	
0114	Beldar	day	5.50	736.00	4048.00	
9999	Sundries	L.S.	80.73	2.27	183.26	
	TOTAL				16337.38	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W-A”				160.81	
	TOTAL				16498.19	X
	Add GST on “X-A” (multiplying factor 0.2127)				3454.69	
	TOTAL				19952.88	Y
	Add 15% CPOH on “Y-A”				2954.51	
	TOTAL				22907.39	Z
	Add Cess @ 1% on “Z-A”				226.51	
	Cost for 119 Kg.				23133.90	
	Cost for 1 Kg.				194.40	
	Say				194.40	

10.16.2 Hot finished seamless type tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a truss of span 8 metre weight = 119 kg.					
	MATERIAL					
	50mm dia. tube					
	Tie beam- 1 x 8.0m = 8.00m +					
	Principal rafter 2x4.30m = 8.60m = 16.60m					
	16.60m @ 5.10kg./ m = 84.66 kg.					
	40mm dia. tube					
	Members = 2(0.45+1.25+0.90+2.15)					
	Total= 2x 4.75 = 9.50m					
	9.50m @ 3.61kg/m = 34.60kg.					
	Total = 118.96kg.					
	Add wastage @ 5% = 5.94kg.					
	Total=124.90kg. say 125 kg					
4010	Mild steel tubes hot finished seamless type	kilo-gram	125.00	80.00	10000.00	
2205	Carriage of Steel	tonne	0.125	0.00	0.00	
	Priming coat					
	50mm dia. tube 16.60x0.157 m = 2.61 sqm.					
	40mm dia. tube 9.50x 10125m = 1.19 sqm					
	Total =3.80 sqm.					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	3.80	67.40	256.12	A
	Welding charges:-					
	Rafter:- 4x22/7x6.03 = 75.80cm.+					
	Ties :- 2x22/7x6.03=37.90cm.+					
	Members :- 2x4x2x22/7x4.83 = 242.87cm					
	Total= 356.57 cm say 357 cm					
1215	Welding by electric plant	cm	357.00	2.50	892.50	
	LABOUR					
0102	Blacksmith 1st class	day	1.50	897.00	1345.50	
0100	Bandhani	day	0.75	816.00	612.00	
0114	Beldar	day	5.50	736.00	4048.00	
9999	Sundries	L.S.	80.73	2.27	183.26	
	TOTAL				17337.38	W
	Add 1 % Water charges on “W-A”				170.81	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				17508.19	X
	Add GST on "X-A" (multiplying factor 0.2127)				3669.52	
	TOTAL				21177.71	Y
	Add 15% CPOH on "Y-A"				3138.24	
	TOTAL				24315.95	Z
	Add Cess @ 1% on "Z-A"				240.60	
	Cost for 119 kg				24556.55	
	Cost for 1 kg				206.36	
	Say				206.35	

10.16.3 Electric resistance or induction butt welded tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a truss of span 8 metre weight = 119 kg.					
	MATERIAL					
	50mm dia. tube					
	Tie beam-1x8.0m = 8.00m+					
	Principal rafter 2x4.30m = 8.60m					
	Total = 16.60m					
	16.60m @ 5.10kg./m = 84.66kg.					
	40mm dia. tube					
	Members = 2(0.45+1.25+0.90+2.15)					
	Total = 2x4.75=9.50m					
	9.50m @ 3.61kg/m = 34.60Kg.					
	Total = 118.96kg.					
	Add wastage @ 5% = 5.94Kg.					
	Total = 124.90Kg. say 125 kg					
4011	Mild steel tubes electric resistant or induction butt welded	kilogram	125.00	72.00	9000.00	
2205	Carriage of Steel	tonne	0.125	0.00	0.00	
	Priming coat					
	50mm dia. tube 16.60x0.157m = 2.61sqm.					
	40mm dia. tube 9.50x0.125m = 1.19 sqm.					
	Total = 3.80 sqm.					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	3.80	67.40	256.12	A
	Welding charges:-					
	Rafter:- 4x22/7x6.03 = 75.80cm.+					
	Ties:- 2x22/7x6.03=37.90cm.+					
	Members:- 2x4x2x22/7x4.83=242.87cm					
	Total= 356.57cm say 357cm					
1215	Welding by electric plant	cm	357.00	2.50	892.50	
	LABOUR					
0102	Blacksmith 1st class	day	1.50	897.00	1345.50	
0100	Bandhani	day	0.75	816.00	612.00	
0114	Beldar	day	5.50	736.00	4048.00	
9999	Sundries	L.S.	80.73	2.27	183.26	
	TOTAL				16337.38	W
	Add 1 % Water charges on "W-A"				160.81	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				16498.19	X
	Add GST on "X-A" (multiplying factor 0.2127)				3454.69	
	TOTAL				19952.88	Y
	Add 15% CPOH on "Y-A"				2954.51	
	TOTAL				22907.39	Z
	Add Cess @ 1% on "Z-A"				226.51	
	Cost for 119 Kg.				23133.90	
	Cost for 1 Kg.				194.40	
	Say				194.40	

10.17 Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 clamp					
	MATERIAL					
	16mm dia. M.S. bar 1m @ 1.58 kg/m					
	1x1.58 = 1.58Kg+					
	Add wastage @ 5% = 0.08 Kg.					
	Total = 1.66 Kg.					
	Say 1.70kg. or 0.017q					
1003	Mild steel round bar above 12 mm dia	quintal	0.017	5450.00	92.65	
	LABOUR					
0103	Blacksmith 2nd class	day	0.04	816.00	32.64	
0114	Beldar	day	0.04	736.00	29.44	
9988	Sundries (Carriage, fixing and painting etc.)	L.S.	1.82	2.27	4.13	
	TOTAL				158.86	W
	Add 1 % Water charges on "W"				1.59	
	TOTAL				160.45	X
	Add GST on "X" (multiplying factor 0.2127)				34.13	
	TOTAL				194.58	Y
	Add 15% CPOH on "Y"				29.19	
	TOTAL				223.77	Z
	Add Cess @ 1% on "Z"				2.24	
	Cost for 1 clamp				226.01	
	Say				226.00	

10.18 Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of one box clamp					
	MATERIAL					
4012	Circular C.I. Box for ceiling fan	each	1.00	60.00	60.00	
	12mm dia. M.S. bar 80cm @					
	0.9kg/m = 0.72kg+					
	Add wastage @ 5% = 0.036					
	Total = 0.756 kg. Say 0.008 q					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1002	Mild steel round bar 12 mm dia and below	quintal	0.008	5550.00	44.40	
	LABOUR					
0103	Blacksmith 2nd class	day	0.03	816.00	24.48	
0114	Beldar	day	0.03	736.00	22.08	
9988	Sundries (Carriage, fixing and painting etc.)	L.S.	1.82	2.27	4.13	
	TOTAL				155.09	W
	Add 1 % Water charges on “W”				1.55	
	TOTAL				156.64	X
	Add GST on “X” (multiplying factor 0.2127)				33.32	
	TOTAL				189.96	Y
	Add 15% CPOH on “Y”				28.49	
	TOTAL				218.45	Z
	Add Cess @ 1% on “Z”				2.18	
	Cost for 1 box clamp				220.63	
	Say				220.65	

10.19 Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one bolt 16mm dia. and 1200mm long (0.024 quital)					
	MATERIAL					
	l .2m @ 1.58kg/m = 1.895 kg = 0.019q					
1035	Bolts and nuts above 300 mm in length	quintal	0.019	5300.00	100.70	
	Plate-100x100x6mm @ 47kg/sqm.					
	Wt. = 0.47kg. = 0.005q					
1010	Mild steel plates	quintal	0.005	5700.00	28.50	
	LABOUR					
0103	Blacksmith 2nd class	day	0.03	816.00	24.48	
9988	Carriage and labour for fixing	L.S.	4.55	2.27	10.33	
	TOTAL				164.01	W
	Add 1 % Water charges on “W”				1.64	
	TOTAL				165.65	X
	Add GST on “X” (multiplying factor 0.2127)				35.23	
	TOTAL				200.88	Y
	Add 15% CPOH on “Y”				30.13	
	TOTAL				231.01	Z
	Add Cess @ 1% on “Z”				2.31	
	Cost of 0.024q				233.32	
	Cost of 1 kg.				97.22	
	Say				97.20	

10.20 Providing and fixing bolts including nuts and washers complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.10q of nuts and washers					
	MATERIAL					
1034	Bolts and nuts upto 300 mm in length	quintal	0.10	5200.00	520.00	
2205	Carriage of Steel	tonne	0.01	0.00	0.00	
	LABOUR					
0103	Blacksmith 2nd class	day	0.38	816.00	310.08	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.38	736.00	279.68	
9999	Sundries	L.S.	4.55	2.27	10.33	
	TOTAL				1120.09	W
	Add 1 % Water charges on “W”				11.20	
	TOTAL				1131.29	X
	Add GST on “X” (multiplying factor 0.2127)				240.63	
	TOTAL				1371.92	Y
	Add 15% CPOH on “Y”				205.79	
	TOTAL				1577.71	Z
	Add Cess @ 1% on “Z”				15.78	
	Cost of 0.10q				1593.49	
	Cost of 1 kg.				159.35	
	Say				159.35	

10.21 Providing and fixing M.S. rivets of sizes in position.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 0.10q of rivets					
	MATERIAL					
1020	Mild steel rivets	quintal	0.10	5100.00	510.00	
2205	Carriage of Steel	tonne	0.01	0.00	0.00	
	LABOUR					
0116	Fitter (grade 1)	day	0.83	897.00	744.51	
0139	Skilled Beldar (for floor rubbing etc.)	day	0.83	816.00	677.28	
9999	Sundries	L.S.	10.79	2.27	24.49	
	TOTAL				1956.28	W
	Add 1 % Water charges on “W”				19.56	
	TOTAL				1975.84	X
	Add GST on “X” (multiplying factor 0.2127)				420.26	
	TOTAL				2396.10	Y
	Add 15% CPOH on “Y”				359.42	
	TOTAL				2755.52	Z
	Add Cess @ 1% on “Z”				27.56	
	Cost of 0.10q				2783.08	
	Cost of 1 kg.				278.31	
	Say				278.30	

10.22 Welding by gas or electric plant including transportation of plant at site etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one cm.					
1214	Welding by gas plant including transportation of welding plant at site etc. complete	cm	1.00	2.00	2.00	
9999	Sundries	L.S.	0.26	2.27	0.59	
	TOTAL				2.59	W
	Add 1 % Water charges on “W”				0.03	
	TOTAL				2.62	X
	Add GST on “X” (multiplying factor 0.2127)				0.56	
	TOTAL				3.18	Y
	Add 15% CPOH on “Y”				0.48	
	TOTAL				3.66	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z"				0.04	
	Cost of 1cm.				3.70	
	Say				3.70	

10.25 Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.

10.25.1 In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 5.331 quintal Consider a flight of staircase of 2.8m height with tread and riser of 200mm & 0.60m wide. MATERIAL (i) Unequal angles as stringers-75x50x6mm 4x12.69x5.6 = 284.25 Kg. Add wastage @ 5% = 14.21 Kg. Total = 298.46kg. Say 2.985q (ii) unequal angles at sides -50x30x5mm 2x14x0.2x3.00=16.8kg. Add wastage @ 5% = 0.84kg. Total = 17.64 kg. Say 0.176q Total = 3.161q					
1007	Structurals such as tees,angles channels and R.S. joists (iii) plate for tread 8mm thick 14x7.5 = 105.00kg+ Add wastage @ 5% = 5.25kg. Total = 110.25kg. Say 1.103q	quintal	3.161	5965.00	18855.37	
1010	Mild steel plates (iv) G.I. pipe for rolling 40mm 2x12.69m = 25.38m+ Add wastage @ 5% = 1.27m Total = 26.65m	quintal	1.103	5700.00	6287.10	
1549	G.I. pipes 40 mm dia (v) M.S. round bars 16mm dia. 15x0.75x2x1.58 = 35.55kg.+ Add wastage @ 5% = 1.78kg. Total = 37.33 Kg. Say 0.373q	metre	26.650	290.00	7728.50	
1003	Mild steel round bar above 12 mm dia	quintal	0.373	5450.00	2032.85	
2205	Carriage of Steel (3.l61 + 1.103+0.373)=4.637q = 0.464 tonne	tonne	0.464	0.00	0.00	
2271	Carriage of G.I. pipes below 100 mm dia approx. wt. 3.72x26.65=99.14kg = 0.099 tonne.	tonne	0.099	0.00	0.00	
1215	Welding by electric plant 23.20 m = 2320cm LABOUR	cm	2320.000	2.50	5800.00	
0102	Blacksmith 1st class	day	1.850	897.00	1659.45	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	1.250	736.00	920.00	
0100	Bandhani	day	0.600	816.00	489.60	
	Applying priming coat					
	(i) steps 2.4x14 = 33.60sqm.+					
	(ii) angles-4x12.69x0.25 = 12.69sqm.+					
	(iii) Bars and other components =					
	2.00 sqm. (L.S.)					
	Total = 48.29 sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	48.290	67.40	3254.75	A
9999	Sundries	L.S.	110.890	2.27	251.72	
	TOTAL				47279.34	W
	Add 1 % Water charges on “W-A”				440.25	
	TOTAL				47719.59	X
	Add GST on “X-A” (multiplying factor 0.2127)				9457.67	
	TOTAL				57177.26	Y
	Add 15% CPOH on “Y-A”				8088.38	
	TOTAL				65265.64	Z
	Add Cess @ 1% on “Z-A”				620.11	
	Cost of 5.331 qunital				65885.75	
	Cost per kg.				123.59	
	Say				123.60	

10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of 1mx1m framed guard bar grating (0.218 quintal).					
	MATERIAL					
	(i) M.S. flat 50x6mm 2.4kg/per metre					
	5.75x2.40 = 13.8kg.+					
	Add wastage @ 5% = 0.69kg.					
	Total = 14.49kg. Say 14.5 kg.					
1008	Flats upto 10 mm in thickness	quintal	0.145	5450.00	790.25	
	(ii) 12mm dia. bars @ 0.89 kg/m					
	9x1= 9metre @ 0.89kg/m = 8.01kg+					
	Add wastage @ 5% = 0.40kg.					
	Total = 8.41 kg. Say 0.084q					
1002	Mild steel round bar 12 mm dia and below	quintal	0.084	5550.00	466.20	
2205	Carriage of Steel	tonne	0.023	0.00	0.00	
1215	Welding by electric plant 60 cm	cm	60.000	2.50	150.00	
	LABOUR					
0102	Blacksmith 1st class	day	0.700	897.00	627.90	
0114	Beldar	day	0.500	736.00	368.00	
0100	Bandhani	day	0.250	816.00	204.00	
	Applying priming coat 0.6 sqm.					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.600	67.40	40.44	A
9999	Sundries	L.S.	4.550	2.27	10.33	
	TOTAL				2657.12	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W-A”				26.17	
	TOTAL				2683.29	X
	Add GST on “X-A” (multiplying factor 0.2127)				562.13	
	TOTAL				3245.42	Y
	Add 15% CPOH on “Y-A”				480.75	
	TOTAL				3726.17	Z
	Add Cess @ 1% on “Z-A”				36.86	
	Cost of 0.218 qunital				3763.03	
	Cost per kg				172.62	
	Say				172.60	

10.26 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.

10.26.1 M.S. tube

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 19.49 kg					
	Details of cost for hand rail of railing of two flights of staircase, length of hand rail = 5.40m					
	MATERIAL					
	M.S. tube 40mm nominal bore (medium) = 5.40m @ 3.6lkg/m= 19.49kg					
	Add wastage @ 5% = 0.97 kg					
	Total = 20.46 kg					
4009	Mild steel tubes hot finished welded type	kilo-gram	20.460	72.00	1473.12	
2205	Carriage of Steel	tonne	0.020	0.00	0.00	
	20.46kg = 0.020 tonne					
	Priming coat 40mm dia.Tube					
	5.4x22/7x0.0483 = 0.82 sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.820	67.40	55.27	A
1215	Welding by electric plant	cm	72.000	2.50	180.00	
	(joints of hand rail and ballustards)					
	18x4x1.00 = 72cm					
	Labour for cutting assembling & erection					
	LABOUR					
0102	Blacksmith 1st class	day	0.240	897.00	215.28	
0114	Beldar	day	0.900	736.00	662.40	
0100	Bandhani	day	0.120	816.00	97.92	
9999	Sundries	L.S.	12.480	2.27	28.33	
	TOTAL				2712.32	W
	Add 1 % Water charges on “W-A”				26.57	
	TOTAL				2738.89	X
	Add GST on “X-A” (multiplying factor 0.2127)				570.81	
	TOTAL				3309.70	Y
	Add 15% CPOH on “Y-A”				488.16	
	TOTAL				3797.86	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z-A"				37.43	
	Cost of 19.49 Kg.				3835.29	
	Cost per 1 kg.				196.78	
	Say				196.80	

10.26.2 E.R.W. tubes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 17.71 kg					
	Details of cost for hand rail of railing of two flights of staircase, length of hand rail =5.40m					
	MATERIAL					
	E.R.W. tube 40mm nominal bore = 5.40m @ 3.28kg/m= 17.71kg					
	Add wastage @ 5% = 0.88 kg					
	Total = 18.59 kg					
4011	Mild steel tubes electric resistant or induction butt welded	kilogram	18.590	72.00	1338.48	
2205	Carriage of Steel	tonne	0.019	0.00	0.00	
	18.59kg = 0.019 tonne					
	Priming coat 40mm dia.Tube					
	5.4x22/7x0.0483 = 0.82 sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.820	67.40	55.27	A
1215	Welding by electric plant	cm	72.000	2.50	180.00	
	(joints of hand rail and ballustards)					
	18x4x1.00 = 72cm					
	Labour for cutting assembling & erection					
	LABOUR					
0102	Blacksmith 1st class	day	0.240	897.00	215.28	
0114	Beldar	day	0.900	736.00	662.40	
0100	Bandhani	day	0.120	816.00	97.92	
9999	Sundries	L.S.	12.480	2.27	28.33	
	TOTAL				2577.68	W
	Add 1 % Water charges on "W-A"				25.22	
	TOTAL				2602.90	X
	Add GST on "X-A" (multiplying factor 0.2127)				541.88	
	TOTAL				3144.78	Y
	Add 15% CPOH on "Y-A"				463.43	
	TOTAL				3608.21	Z
	Add Cess @ 1% on "Z-A"				35.53	
	Cost of 17.71 Kg.				3643.74	
	Cost per 1 kg.				205.74	
	Say				205.75	

10.26.3 G.I. pipes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for hand rail of railing of two flights of staircase, length of hand rail = 5.40m i.e. 20.09 kg					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	MATERIAL					
	G.I. pipe 40mm nominal bore = 5.40m					
	Add wastage @ 5% = 0.27m					
	Total = 5.67m					
1549	G.I. pipes 40 mm dia	metre	5.670	290.00	1644.30	
2271	Carriage of G.I. pipes below 100 mm dia (5.67m @ 3.72 kg/m = 21.09kg say 0.021 tonne	tonne	0.021	0.00	0.00	
	Priming coat 40mm dia.Tube 5.4x22/7x0.0483 = 0.82 sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.820	67.40	55.27	A
1215	Welding by electric plant (joints of hand rail and ballustards) 18x4x1.00 = 72cm	cm	72.000	2.50	180.00	
	LABOUR					
	Labour for cutting assembling & erection					
0102	Blacksmith 1st class	day	0.240	897.00	215.28	
0114	Beldar	day	0.900	736.00	662.40	
0100	Bandhani	day	0.120	816.00	97.92	
9999	Sundries	L.S.	12.480	2.27	28.33	
	TOTAL				2883.50	W
	Add 1 % Water charges on “W-A”				28.28	
	TOTAL				2911.78	X
	Add GST on “X-A” (multiplying factor 0.2127)				607.58	
	TOTAL				3519.36	Y
	Add 15% CPOH on “Y-A”				519.61	
	TOTAL				4038.97	Z
	Add Cess @ 1% on “Z-A”				39.84	
	Cost of 20.09 Kg.				4078.81	
	Cost per 1 kg.				203.03	
	Say				203.05	

10.27 Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.

10.27.1 10 x 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2506	Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave.					
	Size 10mm x 60mm	10 nos	1.00	278.00	278.00	
	LABOUR					
0124	Mason 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.40	736.00	294.40	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Sundries for carriage of material	L.S.	10.00	2.27	22.70	
	TOTAL				921.50	W
	Add 1 % Water charges on “W”				9.22	
	TOTAL				930.72	X
	Add GST on “X” (multiplying factor 0.2127)				197.96	
	TOTAL				1128.68	Y
	Add 15% CPOH on “Y”				169.30	
	TOTAL				1297.98	Z
	Add Cess @ 1% on “Z”				12.98	
	Cost of 10 Nos.				1310.96	
	Cost of 1 no				131.10	
	Say				131.10	

10.27.2 10 x 80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2507	Carben Steel galvanised dash fastner (min5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10mm x 80mm	10 nos	1.00	324.00	324.00	
	LABOUR					
0124	Mason 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.40	736.00	294.40	
9977	Sundries for carriage of material	L.S.	10.00	2.27	22.70	
	TOTAL				967.50	W
	Add 1 % Water charges on “W”				9.68	
	TOTAL				977.18	X
	Add GST on “X” (multiplying factor 0.2127)				207.85	
	TOTAL				1185.03	Y
	Add 15% CPOH on “Y”				177.75	
	TOTAL				1362.78	Z
	Add Cess @ 1% on “Z”				13.63	
	Cost of 10 Nos.				1376.41	
	Cost of 1 no				137.64	
	Say				137.65	

10.27.3 10 x 120 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2508	Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10mm x 120mm	10 nos	1.00	403.00	403.00	
	LABOUR					
0124	Mason 2nd class	day	0.50	816.00	408.00	
0114	Beldar	day	0.50	736.00	368.00	
9977	Sundries for carriage of material	L.S.	10.00	2.27	22.70	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1201.70	W
	Add 1 % Water charges on “W”				12.02	
	TOTAL				1213.72	X
	Add GST on “X” (multiplying factor 0.2127)				258.16	
	TOTAL				1471.88	Y
	Add 15% CPOH on “Y”				220.78	
	TOTAL				1692.66	Z
	Add Cess @ 1% on “Z”				16.93	
	Cost of 10 Nos.				1709.59	
	Cost of 1 no				170.96	
	Say				170.95	

10.27.4 10 x 140 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2509	Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave.					
	Size 10mm x 140mm	10 nos	1.00	482.00	482.00	
	LABOUR					
0124	Mason 2nd class	day	0.50	816.00	408.00	
0114	Beldar	day	0.50	736.00	368.00	
9977	Sundries for carriage of material	L.S.	10.00	2.27	22.70	
	TOTAL				1280.70	W
	Add 1 % Water charges on “W”				12.81	
	TOTAL				1293.51	X
	Add GST on “X” (multiplying factor 0.2127)				275.13	
	TOTAL				1568.64	Y
	Add 15% CPOH on “Y”				235.30	
	TOTAL				1803.94	Z
	Add Cess @ 1% on “Z”				18.04	
	Cost of 10 Nos.				1821.98	
	Cost of 1 no				182.20	
	Say				182.20	

10.27.5 10 x 160 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
	MATERIAL					
2510	Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave.					
	Size 10mm x 160mm	10 nos	1.00	624.00	624.00	
	LABOUR					
0124	Mason 2nd class	day	0.60	816.00	489.60	
0114	Beldar	day	0.60	736.00	441.60	
9977	Sundries for Carriage of material	L.S.	10.00	2.27	22.70	
	TOTAL				1577.90	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				15.78	
	TOTAL				1593.68	X
	Add GST on “X” (multiplying factor 0.2127)				338.98	
	TOTAL				1932.66	Y
	Add 15% CPOH on “Y”				289.90	
	TOTAL				2222.56	Z
	Add Cess @ 1% on “Z”				22.23	
	Cost of 10 Nos.				2244.79	
	Cost of 1 no				224.48	
	Say				224.50	

10.28 Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2kg					
	MATERIAL					
	Qty= 2kg +					
	Add wastage @ 5% = 0.10					
	Total = 2.1 kg					
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	2.10	280.00	588.00	
4002	Stainless steel bolts/square bar and plates	kg	1.00	150.00	150.00	
	LABOUR					
	for fabrication, assembling, errection, welding, curvaturing, grinding, buffling etc.					
0102	Blacksmith 1st class	day	0.06	897.00	53.82	
0114	Beldar	day	0.20	736.00	147.20	
0100	Bandhani	day	0.02	816.00	16.32	
9999	Welding of stainless steel section	L.S.	30.00	2.27	68.10	
9999	Curvaturing, grinding, finishing, buffing	L.S.	20.00	2.27	45.40	
9999	Sundries for making good wall and floors	L.S.	7.50	2.27	17.03	
	TOTAL				1085.87	W
	Add 1 % Water charges on “W”				10.86	
	TOTAL				1096.73	X
	Add GST on “X” (multiplying factor 0.2127)				233.27	
	TOTAL				1330.00	Y
	Add 15% CPOH on “Y”				199.50	
	TOTAL				1529.50	Z
	Add Cess @ 1% on “Z”				15.30	
	Cost of 2 kg				1544.80	
	Cost of 1 kg.				772.40	
	Say				772.40	

10.29 Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.

10.29.1 Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. window shutter 10x1.40x1.10=15.4 sqm					
	MATERIAL					
	Wire gauze 10x1.40x1.10=15.4 sqm					
	Add wastage @ 10 %=1.5 sqm					
	Total=16.9 sqm					
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm	sqm	16.900	260.00	4394.00	
9977	Carriage	L.S.	18.200	2.27	41.31	
	M.S. Flat 15x3=10x2x(1.40+1.10)=50 metre					
	Add wastage @ 5%=2.5 m					
	Total=52.5 m					
	52.5@0.35kg/m=18.4 kg					
1008	Flats upto 10 mm in thickness	quintal	0.184	5450.00	1002.80	
9977	Carriage	L.S.	18.200	2.27	41.31	
	LABOUR					
0103	Blacksmith 2nd class	day	1.700	816.00	1387.20	
0112	Carpenter 2nd class	day	1.700	816.00	1387.20	
0114	Beldar	day	0.600	736.00	441.60	
9999	Sundries	L.S.	197.600	2.27	448.55	
	TOTAL				9143.97	W
	Add 1 % Water charges on “W”				91.44	
	TOTAL				9235.41	X
	Add GST on “X” (multiplying factor 0.2127)				1964.37	
	TOTAL				11199.78	Y
	Add 15% CPOH on “Y”				1679.97	
	TOTAL				12879.75	Z
	Add Cess @ 1% on “Z”				128.80	
	Cost of 15.4 sqm.				13008.55	
	Cost of 1 sqm.				844.71	
	Say				844.70	

10.29.2 Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Nos. window shutter 10x1.40x1.10=15.4 sqm					
	MATERIAL					
	Wire gauze 10x1.40x1.10=15.4 sqm					
	Add wastage @ 10 %=1.5 sqm					
	Total=16.9 sqm					
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	16.900	445.00	7520.50	
9977	Carriage	L.S.	18.200	2.27	41.31	
	M.S. Flat 15x3=10x2x(1.40+1.10)=50 metre					
	Add wastage @ 5%=2.5 m					
	Total=52.5 m					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	52.5@0.35kg/m=18.4 kg					
1008	Flats upto 10 mm in thickness	quintal	0.184	5450.00	1002.80	
9977	Carriage	L.S.	18.200	2.27	41.31	
	LABOUR					
0103	Blacksmith 2nd class	day	1.700	816.00	1387.20	
0112	Carpenter 2nd class	day	1.700	816.00	1387.20	
0114	Beldar	day	0.600	736.00	441.60	
9999	Sundries	L.S.	197.600	2.27	448.55	
	TOTAL				12270.47	W
	Add 1 % Water charges on “W”				122.70	
	TOTAL				12393.17	X
	Add GST on “X” (multiplying factor 0.2127)				2636.03	
	TOTAL				15029.20	Y
	Add 15% CPOH on “Y”				2254.38	
	TOTAL				17283.58	Z
	Add Cess @ 1% on “Z”				172.84	
	Cost of 15.4 sqm.				17456.42	
	Cost of 1 sqm.				1133.53	
	Say				1133.55	

10.30 Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :

10.30.1 4.0 mm thick glass panes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 glass panes (area of each pane = 0.10 sqm)					
	MATERIAL					
	Area of glass panes =1.00 sqm +					
	Add wastage @ 10% = 0.10					
	Total =1.10 sqm					
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.10	321.00	353.10	
9977	Carriage	L.S.	1.82	2.27	4.13	
	LABOUR					
0119	Glazier	day	0.13	816.00	106.08	
9999	Sundries, putty, glazing clips, scaffolding etc.	L.S.	125.58	2.27	285.07	
	TOTAL				748.38	W
	Add 1 % Water charges on “W”				7.48	
	TOTAL				755.86	X
	Add GST on “X” (multiplying factor 0.2127)				160.77	
	TOTAL				916.63	Y
	Add 15% CPOH on “Y”				137.49	
	TOTAL				1054.12	Z
	Add Cess @ 1% on “Z”				10.54	
	Cost of 1.0 sqm				1064.66	
	Say				1064.65	

10.30.2 5.5 mm thick glass panes

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 glass panes (area of each pane = 0.10 sqm)					
	MATERIAL					
	Area of glass panes =1.00 sqm +					
	Add wastage @ 10% = 0.10					
	Total =1.10 sqm					
2407	Float glass sheet of nominal thickness 5.5 mm.(weight not less than 13.50 kg/sqm).	sqm	1.10	529.00	581.90	
9977	Carriage	L.S.	1.82	2.27	4.13	
	LABOUR					
0119	Glazier	day	0.13	816.00	106.08	
9999	Sundries, putty, glazing clips, scaffolding etc.	L.S.	125.58	2.27	285.07	
	TOTAL				977.18	W
	Add 1 % Water charges on “W”				9.77	
	TOTAL				986.95	X
	Add GST on “X” (multiplying factor 0.2127)				209.92	
	TOTAL				1196.87	Y
	Add 15% CPOH on “Y”				179.53	
	TOTAL				1376.40	Z
	Add Cess @ 1% on “Z”				13.76	
	Cost of 1.0 sqm				1390.16	
	Say				1390.15	

10.31 Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer-In-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 17.50 kg					
	MATERIAL					
	Angle/Tee iron 40x40x6 mm= 2+2+1 = 5 m					
	5 Meters @3.5 Kg/m = 17.5 Kg+ Add					
	Wastage @5% =0.87Kg.“Total =18.37 Kg.					
	Say 0.18 Quintal					
1007	Structural steel such as tees, angles, channels and R.S. Joists	quintal	0.180	5965.00	1073.70	
1008	M.S. Flats 3x5 mm for fixing frame					
	6x0.05= 0.3 Metre @1.18 Kg/m= 0.354 Kg					
	Add wastage @5% = 0.018 Kg Total= 0.37Kg. Say 0.004 Qunital	quintal	0.004	5450.00	21.80	
1002	M.S. Bars 10mm =1x1 m = 1.00 metre					
	@0.60Kg/m =0.60Kg + Add wastage @5% = 0.03 Kg.					
	Total =0.63 Kg, say 0.006 Quintal					
	Mild steel round bars 10mm dia and below	quintal	0.006	5550.00	33.30	
9999	For applying steel primer	L.S.	17.940	2.27	40.72	
9999	Carriage of material	L.S.	5.330	2.27	12.10	
1215	Welding by electric plant	cm	16.000	2.50	40.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	LABOUR					
0103	Blacksmith 2nd Class	day	0.100	816.00	81.60	
0116	Fitter (Grade-I)	day	0.150	897.00	134.55	
0114	Beldar	day	0.200	736.00	147.20	
9999	Sundries	L.S.	8.970	2.27	20.36	
	TOTAL				1605.33	W
	Add 1 % Water charges on “W”				16.05	
	TOTAL				1621.38	X
	Add GST on “X” (multiplying factor 0.2127)				344.87	
	TOTAL				1966.25	Y
	Add 15% CPOH on “Y”				294.94	
	TOTAL				2261.19	Z
	Add Cess @ 1% on “Z”				22.61	
	Cost for 17.50 kg				2283.80	
	Rate per kg				130.50	
	Say				130.50	

SUB HEAD : 11.0

FLOORING

11.1 Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:

11.1.1 1:4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.565	4724.00	2669.06	
2201	Carriage of Bricks	1000 Nos	0.565	0.00	0.00	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.434	4211.70	1827.88	
0367	Portland Cement	tonne	0.02	5156.00	103.12	
2209	Carriage of Cement	tonne	0.02	0.00	0.00	
	LABOUR					
0124	Mason 2nd class	day	1.08	816.00	881.28	
0114	Beldar	day	0.25	736.00	184.00	
0115	Coolie	day	1.62	736.00	1192.32	
0101	Bhisti	day	0.27	816.00	220.32	
	TOTAL				7077.98	W
	Add 1 % Water charges on “W”				70.78	
	TOTAL				7148.76	X
	Add GST on “X” (multiplying factor 0.2127)				1520.54	
	TOTAL				8669.30	Y
	Add 15% CPOH on “Y”				1300.40	
	TOTAL				9969.70	Z
	Add Cess @ 1% on “Z”				99.70	
	Cost of 10 sqm.				10069.40	
	Cost of 1 sqm.				1006.94	
	Say				1006.95	

11.1.2 1:6 (1cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.565	4724.00	2669.06	
2201	Carriage of Bricks	1000 Nos	0.565	0.00	0.00	
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)					
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.434	3541.40	1536.97	
0367	Portland Cement	tonne	0.02	5156.00	103.12	
2209	Carriage of Cement	tonne	0.02	0.00	0.00	
	LABOUR					
0124	Mason 2nd class	day	1.08	816.00	881.28	
0114	Beldar	day	0.25	736.00	184.00	
0115	Coolie	day	1.62	736.00	1192.32	
0101	Bhisti	day	0.27	816.00	220.32	
	TOTAL				6787.07	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				67.87	
	TOTAL				6854.94	X
	Add GST on “X” (multiplying factor 0.2127)				1458.05	
	TOTAL				8312.99	Y
	Add 15% CPOH on “Y”				1246.95	
	TOTAL				9559.94	Z
	Add Cess @ 1% on “Z”				95.60	
	Cost of 10 sqm.				9655.54	
	Cost of 1 sqm.				965.55	
	Say				965.55	

11.2 Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.645	4724.00	3046.98	
2201	Carriage of Bricks	1000 Nos	0.645	0.00	0.00	
0983	Fine sand (zone IV)	cum	0.15	980.00	147.00	
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.15	0.00	0.00	
	Mud Mortar					
3.18	Rate as per Item Number 3.18 of SH: Mortars	cum	0.15	940.55	141.08	
	LABOUR					
0124	Mason 2nd class	day	0.9	816.00	734.40	
0115	Coolie	day	1.98	736.00	1457.28	
0101	Bhisti	day	0.05	816.00	40.80	
	TOTAL				5567.54	W
	Add 1 % Water charges on “W”				55.68	
	TOTAL				5623.22	X
	Add GST on “X” (multiplying factor 0.2127)				1196.06	
	TOTAL				6819.28	Y
	Add 15% CPOH on “Y”				1022.89	
	TOTAL				7842.17	Z
	Add Cess @ 1% on “Z”				78.42	
	Cost of 10 sqm.				7920.59	
	Cost of 1 sqm.				792.06	
	Say				792.05	

11.3 Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.

11.3.1 40 mm thick with 20 mm nominal size stone aggregate

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.267	1425.00	380.48	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.089	1400.00	124.60	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.356	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.178	1450.00	258.10	
2203	Carriage of Coarse sand	cum	0.178	0.00	0.00	
0367	Portland Cement	tonne	0.17	5156.00	876.52	
2209	Carriage of Cement	tonne	0.17	0.00	0.00	
	LABOUR					
0124	Mason 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	1.40	736.00	1030.40	
0101	Bhisti	day	1.04	816.00	848.64	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	897.00	26.91	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	900.00	27.00	
9999	Sundries	L.S.	40.43	2.27	91.78	
	TOTAL				4317.23	W
	Add 1 % Water charges on “W”				43.17	
	TOTAL				4360.40	X
	Add GST on “X” (multiplying factor 0.2127)				927.46	
	TOTAL				5287.86	Y
	Add 15% CPOH on “Y”				793.18	
	TOTAL				6081.04	Z
	Add Cess @ 1% on “Z”				60.81	
	Cost of 10 sqm.				6141.85	
	Cost of 1 sqm.				614.19	
	Say				614.20	

11.4 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer’s specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.267	1425.00	380.48	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.089	1400.00	124.60	
2202	Carriage of Stone aggregate below 40 mm	cum	0.356	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.178	1450.00	258.10	
2203	Carriage of Coarse sand	cum	0.178	0.00	0.00	
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	0.115	1425.00	163.88	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.115	0.00	0.00	
0367	Portland Cement	tonne	0.211	5156.00	1087.92	
0367	Portland Cement	tonne	0.02	5156.00	103.12	
2209	Carriage of Cement	tonne	0.231	0.00	0.00	
7254	Hardening compound	litre	2.44	39.00	95.16	
9977	Carriage of hard crete	L.S.	2.73	2.27	6.20	
	LABOUR					
0124	Mason 2nd class	day	2.15	816.00	1754.40	
0114	Beldar	day	1.60	736.00	1177.60	
0115	Coolie	day	1.88	736.00	1383.68	
0101	Bhisti	day	0.27	816.00	220.32	
9999	Sundries	L.S.	53.82	2.27	122.17	
	TOTAL				6877.63	W
	Add 1 % Water charges on “W”				68.78	
	TOTAL				6946.41	X
	Add GST on “X” (multiplying factor 0.2127)				1477.50	
	TOTAL				8423.91	Y
	Add 15% CPOH on “Y”				1263.59	
	TOTAL				9687.50	Z
	Add Cess @ 1% on “Z”				96.88	
	Cost of 10 sqm.				9784.38	
	Cost of 1 sqm.				978.44	
	Say				978.45	

11.5 62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture’s specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.334	1425.00	475.95	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.111	1400.00	155.40	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.445	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.222	1450.00	321.90	
2203	Carriage of Coarse sand	cum	0.222	0.00	0.00	
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	0.115	1425.00	163.88	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.115	0.00	0.00	
0367	Portland Cement	tonne	0.243	5156.00	1252.91	
0367	Portland Cement	tonne	0.02	5156.00	103.12	
2209	Carriage of Cement	tonne	0.263	0.00	0.00	
7254	Hardening compound	litre	2.44	39.00	95.16	
9977	Carriage of Hardening compound	L.S.	2.73	2.27	6.20	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	LABOUR					
0124	Mason 2nd class	day	2.15	816.00	1754.40	
0114	Beldar	day	1.86	736.00	1368.96	
0115	Coolie	day	1.88	736.00	1383.68	
0101	Bhisti	day	0.27	816.00	220.32	
9999	Sundries	L.S.	53.82	2.27	122.17	
	TOTAL				7424.05	W
	Add 1 % Water charges on “W”				74.24	
	TOTAL				7498.29	X
	Add GST on “X” (multiplying factor 0.2127)				1594.89	
	TOTAL				9093.18	Y
	Add 15% CPOH on “Y”				1363.98	
	TOTAL				10457.16	Z
	Add Cess @ 1% on “Z”				104.57	
	Cost of 10 sqm.				10561.73	
	Cost of 1 sqm.				1056.17	
	Say				1056.15	

11.6 Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.

11.6.1 18 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	Cement mortar 1:3 = 0.205 cum+					
	Add for rounding corners = 0.030 cum					
	= 0.235 cum.					
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.235	4881.95	1147.26	
0367	Portland Cement	tonne	0.02	5156.00	103.12	
2209	Carriage of Cement	tonne	0.02	0.00	0.00	
	LABOUR					
0124	Mason 2nd class	day	1.88	816.00	1534.08	
0115	Coolie	day	1.88	736.00	1383.68	
0101	Bhisti	day	0.54	816.00	440.64	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				4653.64	W
	Add 1 % Water charges on “W”				46.54	
	TOTAL				4700.18	X
	Add GST on “X” (multiplying factor 0.2127)				999.73	
	TOTAL				5699.91	Y
	Add 15% CPOH on “Y”				854.99	
	TOTAL				6554.90	Z
	Add Cess @ 1% on “Z”				65.55	
	Cost of 10 sqm.				6620.45	
	Cost of 1 sqm.				662.05	
	Say				662.05	

11.7 Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one cum.					
	MATERIAL					
	Cement concrete 1:2:4					
4.1.3	Rate as per item No.4.1.3 of S.H.Concrete Work	cum	1.00	7878.50	7878.50	A
	Extra labour for laying in floors etc.					
0124	Mason 2nd class	day	0.35	816.00	285.60	
0114	Beldar	day	0.18	736.00	132.48	
0101	Bhisti	day	0.05	816.00	40.80	
9999	Sundries	L.S.	19.76	2.27	44.86	
	TOTAL				8382.24	W
	Add 1 % Water charges on “W-A”				5.04	
	TOTAL				8387.28	X
	Add GST on “X-A” (multiplying factor 0.2127)				108.22	
	TOTAL				8495.50	Y
	Add 15% CPOH on “Y-A”				92.55	
	TOTAL				8588.05	Z
	Add Cess @ 1% on “Z-A”				7.10	
	Cost of 1 Cum.				8595.15	
	Say				8595.15	

11.8 Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	LABOUR					
0124	Mason 2nd class	day	0.36	816.00	293.76	
0114	Beldar	day	0.36	736.00	264.96	
9999	Chequered plate etc.	L.S.	13.52	2.27	30.69	
	TOTAL				589.41	W
	Add 1 % Water charges on “W”				5.89	
	TOTAL				595.30	X
	Add GST on “X” (multiplying factor 0.2127)				126.62	
	TOTAL				721.92	Y
	Add 15% CPOH on “Y”				108.29	
	TOTAL				830.21	Z
	Add Cess @ 1% on “Z”				8.30	
	Cost of 10 sqm.				838.51	
	Cost of 1 sqm.				83.85	
	Say				83.85	

11.9 40 mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1 mm to 4 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume, including cement slurry etc. complete :

11.9.1 Dark shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
	For under layer of 34mm thick					
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	2.270	1400.00	3178.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.760	1400.00	1064.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	3.030	0.00	0.00	
0982	Coarse sand (zone III)	cum	1.510	1450.00	2189.50	
2203	Carriage of Coarse sand	cum	1.510	0.00	0.00	
0367	Portland Cement	tonne	1.090	5156.00	5620.04	
0367	Portland Cement	tonne	0.200	5156.00	1031.20	
2209	Carriage of Cement	tonne	1.290	0.00	0.00	
	for top layer 6mm thick					
0785	Marble chips upto 4mm and downsize White & black	quintal	8.720	200.00	1744.00	
2268	Carriage of Marble dust and marble chips	cum	0.510	0.00	0.00	
0367	Portland Cement	tonne	0.405	5156.00	2088.18	
2209	Carriage of Cement	tonne	0.405	0.00	0.00	
0784	Marble dust/ powder	cum	0.070	1180.00	82.60	
0874	Black colour dark shade pigment	kilogram	28.400	75.00	2130.00	
	3.5kg/ 50kg of cement = 10x40.5x3.5/50=28.4kg					
9977	Carriage of pigment & marble powder etc.	L.S.	36.400	2.27	82.63	
	LABOUR					
0124	Mason 2nd class	day	17.900	816.00	14606.40	
0114	Beldar	day	19.900	736.00	14646.40	
0101	Bhisti	day	10.400	816.00	8486.40	
0139	Skilled Beldar (for floor rubbing etc.)	day	10.000	816.00	8160.00	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.300	897.00	269.10	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.300	900.00	270.00	
0013	Machine for rubbing of floors	day	16.000	350.00	5600.00	
9999	Sundries	L.S.	1614.600	2.27	3665.14	
	TOTAL				74913.59	W
	Add 1 % Water charges on “W”				749.14	
	TOTAL				75662.73	X
	Add GST on “X” (multiplying factor 0.2127)				16093.46	
	TOTAL				91756.19	Y
	Add 15% CPOH on “Y”				13763.43	
	TOTAL				105519.62	Z
	Add Cess @ 1% on “Z”				1055.20	
	Cost of 100 sqm				106574.82	
	Cost of 1 sqm				1065.75	
	Say				1065.75	

11.9.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
11.9.1	Rate as per item no 11.9.1 of SH: Flooring	sqm	100.000	1065.75	106575.00	A
	Add difference of cost due to using light shade pigment instead of dark shade pigment					
	Add for					
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	28.400	65.00	1846.00	
	Deduct for					
0874	Black colour dark shade pigment	kilogram	-28.400	75.00	-2130.00	
	Addd difference of cost due to using white cement instead of grey cement					
	Add for					
0368	White Cement	tonne	0.405	10500.00	4252.50	
	Deduct for					
0367	Portland Cement	tonne	-0.405	5156.00	-2088.18	
	TOTAL				108455.32	W
	Add 1 % Water charges on “W-A”				18.80	
	TOTAL				108474.12	X
	Add GST on “X-A” (multiplying factor 0.2127)				403.94	
	TOTAL				108878.06	Y
	Add 15% CPOH on “Y-A”				345.46	
	TOTAL				109223.52	Z
	Add Cess @ 1% on “Z-A”				26.49	
	Cost of 100 sqm				109250.01	
	Cost of 1 sqm				1092.50	
	Say				1092.50	

11.9.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
11.9.1	Rate as per item no 11.9.1 of SH: Flooring	sqm	100.000	1065.75	106575.00	A
	Add difference of cost due to using light shade pigment instead of dark shade pigment					
	Add for					
0876	Green or blue medium shade pigment	kilogram	28.400	60.00	1704.00	
	Deduct for					
0874	Black colour dark shade pigment	kilogram	-28.400	75.00	-2130.00	
	Add difference of cost due to using white cement instead of grey cement					
	Add for					
0368	White Cement	tonne	0.203	10500.00	2131.50	
	Deduct for					
0367	Portland Cement	tonne	-0.203	5156.00	-1046.67	
	TOTAL				107233.83	W
	Add 1 % Water charges on “W-A”				6.59	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				107240.42	X
	Add GST on "X-A" (multiplying factor 0.2127)				141.53	
	TOTAL				107381.95	Y
	Add 15% CPOH on "Y-A"				121.04	
	TOTAL				107502.99	Z
	Add Cess @ 1% on "Z-A"				9.28	
	Cost of 100 sqm				107512.27	
	Cost of 1 sqm				1075.12	
	Say				1075.10	

11.9.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
	For under layer of 34mm thick					
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	2.270	1400.00	3178.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.760	1400.00	1064.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	3.030	0.00	0.00	
0982	Coarse sand (zone III)	cum	1.510	1450.00	2189.50	
2203	Carriage of Coarse sand	cum	1.510	0.00	0.00	
0367	Portland Cement	tonne	1.090	5156.00	5620.04	
0367	Portland Cement	tonne	0.200	5156.00	1031.20	
2209	Carriage of Cement	tonne	1.290	0.00	0.00	
	for top layer 6mm thick					
0785	Marble chips upto 4mm and downsize White & black	quintal	9.580	200.00	1916.00	
2268	Carriage of Marble dust and marble chips	cum	0.560	0.00	0.00	
0368	White Cement	tonne	0.405	10500.00	4252.50	
2209	Carriage of Cement	tonne	0.405	0.00	0.00	
0784	Marble dust/ powder	cum	0.070	1180.00	82.60	
	LABOUR					
0124	Mason 2nd class	day	17.900	816.00	14606.40	
0114	Beldar	day	19.900	736.00	14646.40	
0101	Bhisti	day	10.400	816.00	8486.40	
0139	Skilled Beldar (for floor rubbing etc.)	day	10.000	816.00	8160.00	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.300	897.00	269.10	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.300	900.00	270.00	
0013	Machine for rubbing of floors	day	16.000	350.00	5600.00	
9999	Sundries	L.S.	1614.600	2.27	3665.14	
	TOTAL				75037.28	W
	Add 1 % Water charges on "W"				750.37	
	TOTAL				75787.65	X
	Add GST on "X" (multiplying factor 0.2127)				16120.03	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				91907.68	Y
	Add 15% CPOH on "Y"				13786.15	
	TOTAL				105693.83	Z
	Add Cess @ 1% on "Z"				1056.94	
	Cost of 100 sqm				106750.77	
	Cost of 1 sqm				1067.51	
	Say				1067.50	

11.9.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
11.9.1	Rate as per item no 11.9.1 of SH: Flooring	sqm	10.00	1065.75	10657.50	A
	Add difference of cost due to using light shade pigment instead of dark shade pigment					
	Add for					
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	65.00	184.60	
	Deduct for					
0874	Black colour dark shade pigment	kilogram	-2.84	75.00	-213.00	
	TOTAL				10629.10	W
	Add 1 % Water charges on "W-A"				-0.28	
	TOTAL				10628.82	X
	Add GST on "X-A" (multiplying factor 0.2127)				-6.10	
	TOTAL				10622.72	Y
	Add 15% CPOH on "Y-A"				-5.22	
	TOTAL				10617.50	Z
	Add Cess @ 1% on "Z-A"				-0.40	
	Cost of 10 sqm				10617.10	
	cost of 1 sqm				1061.71	
	Say				1061.70	

11.9.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
11.9.1	Rate as per item no 11.9.1 of SH: Flooring	sqm	10.00	1065.75	10657.50	A
	Less cost of dark shade pigment					
	Deduct for					
0874	Black colour dark shade pigment	kilogram	-2.84	75.00	-213.00	
9999	Deduct for carriage of pigment	L.S.	-3.64	2.27	-8.26	
	TOTAL				10436.24	W
	Add 1 % Water charges on "W-A"				-2.21	
	TOTAL				10434.03	X
	Add GST on "X-A" (multiplying factor 0.2127)				-47.53	
	TOTAL				10386.50	Y
	Add 15% CPOH on "Y-A"				-40.65	
	TOTAL				10345.85	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z-A"				-3.12	
	Cost of 10 sqm				10342.73	
	cost of 1 sqm				1034.27	
	Say				1034.25	

11.10 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 9 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4 mm to 7 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume, including cement slurry etc. complete

11.10.1 Dark shade pigment with Ordinary cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
	MATERIAL					
	For Under layer of 31 mm thick					
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	2.100	1400.00	2940.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.700	1400.00	980.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	2.800	0.00	0.00	
0982	Coarse sand (zone III)	cum	1.400	1450.00	2030.00	
2203	Carriage of Coarse sand	cum	1.400	0.00	0	
0367	Portland Cement (0.1005+0.02)x10	tonne	1.205	5156.00	6212.98	
2209	Carriage of Cement	tonne	1.205	0.00	0	
	for top layer 9mm thick					
0788	Marble chips large size above 4 mm White & black	qtl	14.000	280.00	3920.00	
2268	Carriage of Marble dust and marble chips	cum	0.820	0.00	0.00	
0367	Portland Cement	tonne	0.578	5156.00	2980.17	
2209	Carriage of Cement	tonne	0.578	0.00	0.00	
0784	Marble dust/ powder	cum	0.120	1180.00	141.60	
0874	Black colour dark shade pigment	kg	40.500	75.00	3037.50	
	3.5kg/ 50kg of cement = 10x57.80x3.5/50=40.5kg					
9977	Carriage of pigment & marble powder etc.	L.S.	54.600	2.27	123.94	
	LABOUR					
0124	Mason 2nd class	day	17.900	816.00	14606.40	
0114	Beldar	day	19.900	736.00	14646.40	
0101	Bhisti	day	10.400	816.00	8486.40	
0139	Skilled Beldar (for floor rubbing etc.)	day	10.000	816.00	8160.00	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.300	897.00	269.10	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.300	900.00	270.00	
0013	Machine for rubbing of floors	day	10.000	350.00	3500.00	
9999	Sundries	L.S.	1345.500	2.27	3054.29	
	TOTAL				75358.78	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				753.59	
	TOTAL				76112.37	X
	Add GST on “X” (multiplying factor 0.2127)				16189.10	
	TOTAL				92301.47	Y
	Add 15% CPOH on “Y”				13845.22	
	TOTAL				106146.69	Z
	Add Cess @ 1% on “Z”				1061.47	
	Cost of 100 sqm				107208.16	
	Cost of 1 sqm				1072.08	
	Say				1072.10	

11.10.2 Light shade pigment with white cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
11.10.1	Rate as per item no 11.10.1	sqm	100.000	1072.10	107210.00	A
	Add for					
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment 3.5kg/ 50kg of cement = 10x57.80x3.5/50=40.5kg	kg	40.500	65.00	2632.50	
	Deduct for					
0874	Black colour dark shade pigment	kg	-40.500	75.00	-3037.50	
	ADD for					
0368	White cement	tonne	0.578	10500.00	6069.00	
	Deduct for					
0367	Portland Cement	tonne	-0.578	5156.00	-2980.17	
	TOTAL				109893.83	W
	Add 1 % Water charges on “W-A”				26.84	
	TOTAL				109920.67	X
	Add GST on “X-A” (multiplying factor 0.2127)				576.56	
	TOTAL				110497.23	Y
	Add 15% CPOH on “Y-A”				493.08	
	TOTAL				110990.31	Z
	Add Cess @ 1% on “Z-A”				37.80	
	Cost of 100 sqm				111028.11	
	Cost of 1 sqm				1110.28	
	Say				1110.30	

11.10.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
11.10.1	Rate as per item no 11.10.1	sqm	100.000	1072.10	107210.00	A
	Add for					
0876	Green or blue medium shade pigment	kg	40.500	60.00	2430.00	
	Deduct for					
0874	Black colour dark shade pigment	kg	-40.500	75.00	-3037.50	
	ADD for					

Code	Description	Unit	Qty	Rate	Amount	
0368	White cement	tonne	0.289	10500.00	3034.50	
	Deduct for					
0367	Portland Cement	tonne	-0.289	5156.00	-1490.08	
	TOTAL				108146.92	W
	Add 1 % Water charges on “W-A”				9.37	
	TOTAL				108156.29	X
	Add GST on “X-A” (multiplying factor 0.2127)				201.28	
	TOTAL				108357.57	Y
	Add 15% CPOH on “Y-A”				172.14	
	TOTAL				108529.71	Z
	Add Cess @ 1% on “Z-A”				13.20	
	Cost of 100 sqm				108542.91	
	Cost of 1 sqm				1085.43	
	Say				1085.45	

11.10.4 White cement without any pigment

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
	MATERIAL					
	For Under layer of 31 mm thick					
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	2.100	1400.00	2940.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.700	1400.00	980.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	2.800	0.00	0.00	
0982	Coarse sand (zone III)	cum	1.400	1450.00	2030.00	
2203	Carriage of Coarse sand	cum	1.400	0.00	0.00	
0367	Portland Cement (0.1005+0.02)x10	tonne	1.205	5156.00	6212.98	
2209	Carriage of Cement	tonne	1.205	0.00	0.00	
	for top layer 9mm thick					
0788	Marble chips large size above 4 mm White & black	qtl	14.000	280.00	3920.00	
2268	Carriage of Marble dust and marble chips	cum	0.820	0.00	0.00	
0368	White Cement	tonne	0.578	10500.00	6069.00	
2209	Carriage of Cement	tonne	0.578	0.00	0.00	
0784	Marble dust/ powder	cum	0.120	1180.00	141.60	
	LABOUR					
0124	Mason 2nd class	day	17.900	816.00	14606.40	
0114	Beldar	day	19.900	736.00	14646.40	
0101	Bhisti	day	10.400	816.00	8486.40	
0139	Skilled Beldar (for floor rubbing etc.)	day	10.000	816.00	8160.00	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.300	897.00	269.10	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.300	900.00	270.00	
0013	Machine for rubbing of floors	day	10.000	350.00	3500.00	
9999	Sundries	L.S.	1345.500	2.27	3054.29	
	TOTAL				75286.17	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				752.86	
	TOTAL				76039.03	X
	Add GST on “X” (multiplying factor 0.2127)				16173.50	
	TOTAL				92212.53	Y
	Add 15% CPOH on “Y”				13831.88	
	TOTAL				106044.41	Z
	Add Cess @ 1% on “Z”				1060.44	
	Cost of 100 sqm				107104.85	
	Cost of 1 sqm				1071.05	
	Say				1071.05	

11.10.5 Light shade pigment with ordinary cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 10 sqm.					
11.10.1	Rate as per item no 11.10.1	sqm	10.00	1072.10	10721.00	A
	Add for					
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	4.05	65.00	263.25	
	Deduct for					
0874	Black colour dark shade pigment	kg	-4.05	75.00	-303.75	
	TOTAL				10680.50	W
	Add 1 % Water charges on “W-A”				-0.41	
	TOTAL				10680.09	X
	Add GST on “X-A” (multiplying factor 0.2127)				-8.70	
	TOTAL				10671.39	Y
	Add 15% CPOH on “Y-A”				-7.44	
	TOTAL				10663.95	Z
	Add Cess @ 1% on “Z-A”				-0.57	
	Cost of 10 sqm				10663.38	
	cost of 1 sqm				1066.34	
	Say				1066.35	

11.10.6 Ordinary cement without any pigment

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
	MATERIAL					
	For Under layer of 31 mm thick					
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	2.100	1400.00	2940.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.700	1400.00	980.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	2.800	0.00	0.00	
0982	Coarse sand (zone III)	cum	1.400	1450.00	2030.00	
2203	Carriage of Coarse sand	cum	1.400	0.00	0.00	
0367	Portland Cement (0.1005+0.02)	tonne	1.205	5156.00	6212.98	
2209	Carriage of Cement	tonne	1.205	0.00	0.00	
	for top layer 9mm thick					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0788	Marble chips large size above 4 mm White & black	qtl	14.000	280.00	3920.00	
2268	Carriage of Marble dust and marble chips	cum	0.820	0.00	0.00	
0367	Portland Cement	tonne	0.578	5156.00	2980.17	
2209	Carriage of Cement	tonne	0.578	0.00	0.00	
0784	Marble dust/ powder	cum	0.120	1180.00	141.60	
	LABOUR					
0124	Mason 2nd class	day	17.900	816.00	14606.40	
0114	Beldar	day	19.900	736.00	14646.40	
0101	Bhisti	day	10.400	816.00	8486.40	
0139	Skilled Beldar (for floor rubbing etc.)	day	10.000	816.00	8160.00	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.300	897.00	269.10	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.300	900.00	270.00	
0013	Machine for rubbing of floors	day	10.000	350.00	3500.00	
9999	Sundries	L.S.	1345.500	2.27	3054.29	
	TOTAL				72197.34	W
	Add 1 % Water charges on “W”				721.97	
	TOTAL				72919.31	X
	Add GST on “X” (multiplying factor 0.2127)				15509.94	
	TOTAL				88429.25	Y
	Add 15% CPOH on “Y”				13264.39	
	TOTAL				101693.64	Z
	Add Cess @ 1% on “Z”				1016.94	
	Cost of 100 sqm				102710.58	
	Cost of 1 sqm				1027.11	
	Say				1027.10	

11.11 40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 12 mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7 mm to 10 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume, including cement slurry etc. complete

11.11.1 Dark shade pigment with ordinary cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
	MATERIAL					
	For under layer 28 mm thick					
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1.900	1400.00	2660.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.600	1400.00	840.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	2.500	0.00	0.00	
0982	Coarse sand (zone III)	cum	1.250	1450.00	1812.50	
2203	Carriage of Coarse sand	cum	1.250	0.00	0.00	
0367	Portland Cement (0..0897+0.02)x10	tonne	1.097	5156.00	5656.13	
2209	Carriage of Cement	tonne	1.097	0.00	0.00	
	for top layer 9mm thick					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0788	Marble chips large size above 4 mm White & black	qtl	17.340	280.00	4855.20	
2268	Carriage of Marble dust and marble chips	cum	1.020	0.00	0.00	
0367	Portland Cement	tonne	0.810	5156.00	4176.36	
2209	Carriage of Cement	tonne	0.810	0.00	0.00	
0784	Marble dust/ powder	cum	0.170	1180.00	200.60	
0874	Black colour dark shade pigment @ 3.5kg/50kg of cement = 10x81x-3.5/50=56.7kg	kg	56.700	75.00	4252.50	
9977	Carriage of pigment and marble powder etc	L.S.	62.400	2.27	141.65	
	LABOUR					
0124	Mason 2nd class	day	17.900	816.00	14606.40	
0114	Beldar	day	19.900	736.00	14646.40	
0101	Bhisti	day	10.400	816.00	8486.40	
0139	Skilled Beldar (for floor rubbing etc.)	day	10.000	816.00	8160.00	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.300	897.00	269.10	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.300	900.00	270.00	
0013	Machine for rubbing of floors	day	10.000	350.00	3500.00	
9999	Sundries	L.S.	1561.300	2.27	3544.15	
	TOTAL				78077.39	W
	Add 1 % Water charges on “W”				780.77	
	TOTAL				78858.16	X
	Add GST on “X” (multiplying factor 0.2127)				16773.13	
	TOTAL				95631.29	Y
	Add 15% CPOH on “Y”				14344.69	
	TOTAL				109975.98	Z
	Add Cess @ 1% on “Z”				1099.76	
	Cost of 100 sqm.				111075.74	
	Cost of 1 sqm.				1110.76	
	Say				1110.75	

11.11.2 Light shade pigment with white cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 10 sqm.					
11.11.1	Rate as per item no 11.11.1	sqm	10.000	1110.75	11107.50	A
	Add for					
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment 3.5kg/ 50kg of cement = 57.80x3.5/50=4.05kg	kg	5.670	65.00	368.55	
	Deduct for					
0874	Black colour dark shade pigment	kg	-5.670	75.00	-425.25	
	ADD for					
0368	White cement	tonne	0.081	10500.00	850.50	
	Deduct for					
0367	Portland Cement	tonne	-0.081	5156.00	-417.64	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				11483.66	W
	Add 1 % Water charges on “W-A”				3.76	
	TOTAL				11487.42	X
	Add GST on “X-A” (multiplying factor 0.2127)				80.81	
	TOTAL				11568.23	Y
	Add 15% CPOH on “Y-A”				69.11	
	TOTAL				11637.34	Z
	Add Cess @ 1% on “Z-A”				5.30	
	Cost of 10 sqm.				11642.64	
	Cost of 1 sqm.				1164.26	
	Say				1164.25	

11.11.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
11.11.1	Rate as per item no 11.11.1	sqm	100.000	1110.75	111075.00	A
	Add for					
0876	Green or blue medium shade pigment	kg	56.700	60.00	3402.00	
	Deduct for					
0874	Black colour dark shade pigment	kg	-56.700	75.00	-4252.50	
	ADD for					
0368	White cement	tonne	0.405	10500.00	4252.50	
	Deduct for					
0367	Portland Cement	tonne	-0.405	5156.00	-2088.18	
	TOTAL				112388.82	W
	Add 1 % Water charges on “W-A”				13.14	
	TOTAL				112401.96	X
	Add GST on “X-A” (multiplying factor 0.2127)				282.24	
	TOTAL				112684.20	Y
	Add 15% CPOH on “Y-A”				241.38	
	TOTAL				112925.58	Z
	Add Cess @ 1% on “Z-A”				18.51	
	Cost of 100 sqm.				112944.09	
	Cost of 1 sqm.				1129.44	
	Say				1129.45	

11.11.4 White cement without any pigment

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
	MATERIAL					
	For under layer 28 mm thick					
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1.900	1400.00	2660.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.600	1400.00	840.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	2.500	0.00	0.00	
0982	Coarse sand (zone III)	cum	1.250	1450.00	1812.50	
2203	Carriage of Coarse sand	cum	1.250	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0367	Portland Cement (0..0897+0.02)x10	tonne	1.097	5156.00	5656.13	
2209	Carriage of Cement	tonne	1.097	0.00	0.00	
	for top layer 9mm thick					
0788	Marble chips large size above 4 mm White & black	qtl	17.340	280.00	4855.20	
2268	Carriage of Marble dust and marble chips	cum	1.020	0.00	0.00	
0368	White Cement	tonne	0.810	10500.00	8505.00	
2209	Carriage of Cement	tonne	0.810	0.00	0.00	
0784	Marble dust/ powder	cum	0.170	1180.00	200.60	
	LABOUR					
0124	Mason 2nd class	day	17.900	816.00	14606.40	
0114	Beldar	day	19.900	736.00	14646.40	
0101	Bhisti	day	10.400	816.00	8486.40	
0139	Skilled Beldar (for floor rubbing etc.)	day	10.000	816.00	8160.00	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.300	897.00	269.10	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.300	900.00	270.00	
0013	Machine for rubbing of floors	day	10.000	350.00	3500.00	
9999	Sundries	L.S.	1561.300	2.27	3544.15	
	TOTAL				78011.88	W
	Add 1 % Water charges on “W”				780.12	
	TOTAL				78792.00	X
	Add GST on “X” (multiplying factor 0.2127)				16759.06	
	TOTAL				95551.06	Y
	Add 15% CPOH on “Y”				14332.66	
	TOTAL				109883.72	Z
	Add Cess @ 1% on “Z”				1098.84	
	Cost of 100 sqm.				110982.56	
	Cost of 1 sqm.				1109.83	
	Say				1109.85	

11.11.5 Light shade pigment with ordinary cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 10 sqm.					
11.11.1	Rate as per item no 11.11.1	sqm	10.000	1110.75	11107.50	A
	Add for					
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	5.670	65.00	368.55	
	Deduct for					
0874	Black colour dark shade pigment	kg	-5.670	75.00	-425.25	
	TOTAL				11050.80	W
	Add 1 % Water charges on “W-A”				-0.57	
	TOTAL				11050.23	X
	Add GST on “X-A” (multiplying factor 0.2127)				-12.18	
	TOTAL				11038.05	Y
	Add 15% CPOH on “Y-A”				-10.42	
	TOTAL				11027.63	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z-A”				-0.80	
	Cost of 10 sqm.				11026.83	
	Cost of 1 sqm.				1102.68	
	Say				1102.70	

11.11.6 Ordinary cement without any pigment

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 100 sqm.					
	MATERIAL					
	For under layer 28 mm thick					
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1.900	1400.00	2660.00	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.600	1400.00	840.00	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	2.500	0.00	0.00	
0982	Coarse sand (zone III)	cum	1.250	1450.00	1812.50	
2203	Carriage of Coarse sand	cum	1.250	0.00	0.00	
0367	Portland Cement (0..0897+0.02)x10	tonne	1.097	5156.00	5656.13	
2209	Carriage of Cement	tonne	1.097	0.00	0.00	
	for top layer 9mm thick					
0788	Marble chips large size above 4 mm White & black	qtl	17.340	280.00	4855.20	
2268	Carriage of Marble dust and marble chips	cum	1.020	0.00	0.00	
0367	Portland Cement	tonne	0.810	5156.00	4176.36	
2209	Carriage of Cement	tonne	0.810	0.00	0.00	
0784	Marble dust/ powder	cum	0.170	1180.00	200.60	
	LABOUR					
0124	Mason 2nd class	day	17.900	816.00	14606.40	
0114	Beldar	day	19.900	736.00	14646.40	
0101	Bhisti	day	10.400	816.00	8486.40	
0139	Skilled Beldar (for floor rubbing etc.)	day	10.000	816.00	8160.00	
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.300	897.00	269.10	
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.300	900.00	270.00	
0013	Machine for rubbing of floors	day	10.000	350.00	3500.00	
9999	Sundries	L.S.	1561.300	2.27	3544.15	
	TOTAL				73683.24	W
	Add 1 % Water charges on “W”				736.83	
	TOTAL				74420.07	X
	Add GST on “X” (multiplying factor 0.2127)				15829.15	
	TOTAL				90249.22	Y
	Add 15% CPOH on “Y”				13537.38	
	TOTAL				103786.60	Z
	Add Cess @ 1% on “Z”				1037.87	
	Cost of 100 sqm.				104824.47	
	Cost of 1 sqm.				1048.24	
	Say				1048.25	

11.12 Marble chips skirting up to 30 cm height, rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size, laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume :

11.12.1 18 mm thick with under layer 12 mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :

11.12.1.1 Dark shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm					
	MATERIAL					
	For under layer of 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) =10x(0.144 + Extra for rounding 0.03) =0.174x10 = 1.74					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	1.740	4881.95	8494.59	
	Top layer 6mm thick					
0785	Marble chips upto 4mm and downsize White & black	quintal	8.720	200.00	1744.00	
2268	Carriage of Marble dust and marble chips	cum	0.510	0.00	0.00	
0367	Portland Cement	tonne	0.405	5156.00	2088.18	
2209	Carriage of Cement	tonne	0.405	0.00	0.00	
0784	Marble dust/ powder	cum	0.070	1180.00	82.60	
0874	Black colour dark shade pigment @ 3.5kg/50kg of cement =10x40.5x3.5/50=28.4kg	kilogram	28.400	75.00	2130.00	
9977	Carriage of pigment & marble powder etc.	L.S.	36.400	2.27	82.63	
	LABOUR					
0124	Mason 2nd class	day	30.000	816.00	24480.00	
0114	Beldar	day	30.000	736.00	22080.00	
0101	Bhisti	day	10.000	816.00	8160.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	70.000	816.00	57120.00	
9999	Sundries	L.S.	2018.900	2.27	4582.90	
	TOTAL				131044.90	W
	Add 1 % Water charges on “W”				1310.45	
	TOTAL				132355.35	X
	Add GST on “X” (multiplying factor 0.2127)				28151.98	
	TOTAL				160507.33	Y
	Add 15% CPOH on “Y”				24076.10	
	TOTAL				184583.43	Z
	Add Cess @ 1% on “Z”				1845.83	
	Cost of 100 sqm.				186429.26	
	Cost of 1 sqm.				1864.29	
	Say				1864.30	

11.12.1.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
11.12.1.1	Rate as per Item Number 11.12.1.1 of SH: Flooring	sqm	100.000	1864.30	186430.00	A
	Add difference of cost due to using light shade pigment instead of dark shade pigment					
	Add for					
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	28.400	65.00	1846.00	
	Deduct for					
0874	Black colour dark shade pigment	kilogram	-28.400	75.00	-2130.00	
	Add Difference of cost due to using white cement instead of grey cement					
	Add for					
0368	White Cement	tonne	0.405	10500.00	4252.50	
	Deduct for					
0367	Portland Cement	tonne	-0.405	5156.00	-2088.18	
	TOTAL				188310.32	W
	Add 1 % Water charges on “W-A”				18.80	
	TOTAL				188329.12	X
	Add GST on “X-A” (multiplying factor 0.2127)				403.94	
	TOTAL				188733.06	Y
	Add 15% CPOH on “Y-A”				345.46	
	TOTAL				189078.52	Z
	Add Cess @ 1% on “Z-A”				26.49	
	Cost of 100 sqm.				189105.01	
	Cost of 1 sqm.				1891.05	
	Say				1891.05	

11.12.1.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm					
11.12.1.1	Rate as per Item Number 11.12.1.1 of SH:Flooring	sqm	100.000	1864.30	186430.00	A
	Add difference of cost due to using medium shade pigment instead of dark shade pigment					
	Add for					
0876	Green or blue medium shade pigment	kilogram	28.400	60.00	1704.00	
	Deduct for					
0874	Black colour dark shade pigment	kilogram	-28.400	75.00	-2130.00	
	Add Difference of cost due to using white cement instead of grey cement					
	Add for					
0368	White Cement	tonne	0.203	10500.00	2131.50	
	Deduct for					
0367	Portland Cement	tonne	-0.203	5156.00	-1046.67	
	TOTAL				187088.83	W
	Add 1 % Water charges on “W-A”				6.59	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				187095.42	X
	Add GST on "X-A" (multiplying factor 0.2127)				141.53	
	TOTAL				187236.95	Y
	Add 15% CPOH on "Y-A"				121.04	
	TOTAL				187357.99	Z
	Add Cess @ 1% on "Z-A"				9.28	
	Cost of 100 sqm.				187367.27	
	Cost of 1 sqm.				1873.67	
	Say				1873.65	

11.12.1.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm					
	MATERIAL					
	For under layer of 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) for 10sqm = 0.144+					
	Extra for rounding = 0.03					
	Total for 100sqm =0.174 x10 = 1.740					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	1.740	4881.95	8494.59	
	Top layer 6mm thick					
0785	Marble chips upto 4mm and downsize White & black	quintal	8.720	200.00	1744.00	
2268	Carriage of Marble dust and marble chips	cum	0.510	0.00	0.00	
0368	White Cement	tonne	0.405	10500.00	4252.50	
2209	Carriage of Cement	tonne	0.405	0.00	0.00	
0784	Marble dust/ powder	cum	0.070	1180.00	82.60	
	LABOUR					
0124	Mason 2nd class	day	30.000	816.00	24480.00	
0114	Beldar	day	30.000	736.00	22080.00	
0101	Bhisti	day	10.000	816.00	8160.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	70.000	816.00	57120.00	
9999	Sundries	L.S.	2018.900	2.27	4582.90	
	TOTAL				130996.59	W
	Add 1 % Water charges on "W"				1309.97	
	TOTAL				132306.56	X
	Add GST on "X" (multiplying factor 0.2127)				28141.61	
	TOTAL				160448.17	Y
	Add 15% CPOH on "Y"				24067.23	
	TOTAL				184515.40	Z
	Add Cess @ 1% on "Z"				1845.15	
	Cost of 100 sqm.				186360.55	
	Cost of 1 sqm.				1863.61	
	Say				1863.60	

11.12.1.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
11.12.1.1	Rate as per Item Number 11.12.1.1 of SH: Flooring	sqm	10.000	1864.30	18643.00	A
	Add difference of cost due to using Light shade pigment instead of dark shade pigment					
	Add for					
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.840	65.00	184.60	
	Deduct for					
0874	Black colour dark shade pigment	kilogram	-2.840	75.00	-213.00	
	TOTAL				18614.60	W
	Add 1 % Water charges on “W-A”				-0.28	
	TOTAL				18614.32	X
	Add GST on “X-A” (multiplying factor 0.2127)				-6.10	
	TOTAL				18608.22	Y
	Add 15% CPOH on “Y-A”				-5.22	
	TOTAL				18603.00	Z
	Add Cess @ 1% on “Z-A”				-0.40	
	Cost of 10 sqm.				18602.60	
	Cost of 1 sqm.				1860.26	
	Say				1860.25	

11.12.1.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
11.12.1.1	Rate as per Item Number 11.12.1.1 of SH: Flooring	sqm	10.000	1864.30	18643.00	A
	Less cost of dark shade pigment					
	Deduct for					
0874	Black colour dark shade pigment	kilogram	-2.840	75.00	-213.00	
9999	Deduct for Carriage of pigment	L.S.	-3.640	2.27	-8.26	
	TOTAL				18421.74	W
	Add 1 % Water charges on “W-A”				-2.21	
	TOTAL				18419.53	X
	Add GST on “X-A” (multiplying factor 0.2127)				-47.53	
	TOTAL				18372.00	Y
	Add 15% CPOH on “Y-A”				-40.65	
	TOTAL				18331.35	Z
	Add Cess @ 1% on “Z-A”				-3.12	
	Cost of 10 sqm.				18328.23	
	Cost of 1 sqm.				1832.82	
	Say				1832.80	

11.13 Providing and fixing glass strips in joints of terrazo/ cement concrete floors.

11.13.1 40 mm wide and 4 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metre length					
	MATERIAL					
	Glass strips = 10m					
	Add 10% for wastage = 1m					
	Total = 11m					
1149	Glass strip 4 mm thick40 mm deep	metre	11.000	20.00	220.00	
9977	Carriage of glass	L.S.	2.730	2.27	6.20	
	LABOUR					
0124	Mason 2nd class	day	0.250	816.00	204.00	
0114	Beldar	day	0.250	736.00	184.00	
9999	Sundries	L.S.	13.520	2.27	30.69	
	TOTAL				644.89	W
	Add 1 % Water charges on “W”				6.45	
	TOTAL				651.34	X
	Add GST on “X” (multiplying factor 0.2127)				138.54	
	TOTAL				789.88	Y
	Add 15% CPOH on “Y”				118.48	
	TOTAL				908.36	Z
	Add Cess @ 1% on “Z”				9.08	
	Cost of 10 metre				917.44	
	Cost of 1 metre				91.74	
	Say				91.75	

11.14 Extra for laying terrazo flooring on staircase treads not exceeding 30 cm in width, including cost of forming, nosing etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	LABOUR					
0124	Mason 2nd class	day	0.300	816.00	244.80	
0114	Beldar	day	0.300	736.00	220.80	
0115	Coolie	day	0.300	736.00	220.80	
	TOTAL				686.40	W
	Add 1 % Water charges on “W”				6.86	
	TOTAL				693.26	X
	Add GST on “X” (multiplying factor 0.2127)				147.46	
	TOTAL				840.72	Y
	Add 15% CPOH on “Y”				126.11	
	TOTAL				966.83	Z
	Add Cess @ 1% on “Z”				9.67	
	Cost of 10 Sqm.				976.50	
	Cost of 1sqm.				97.65	
	Say				97.65	

11.15 Crazy marble stone flooring, including filling the gaps with light shade pigment with white cement marble powder mixture (3 parts of white cement : 1 part of marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 white, black or white and black marble chips of sizes from 1 mm to 4 mm nominal size by volume), with under layer 25 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size), including rubbing, polishing and cement slurry etc. complete :

11.15.1 18 mm thick crazy marble stone white, black or as specified

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	Under layer 25mm thick of cement Concrete					
	1:2:4 =100x0.025=2.5 cum					
11.7	Rate as per Item Number 11.7 of SH: Flooring	cum	2.500	8595.15	21487.88	A
	Cement slurry for subgrade and under large cement					
0367	Portland Cement	tonne	0.400	5156.00	2062.40	
2209	Carriage of Cement	tonne	0.400	0.00	0.00	
	Labour for applying cement slurry					
	LABOUR					
0114	Beldar	day	5.000	736.00	3680.00	
	Top layer with marble pieces and gap filling with marble powder mixture Marble pieces for crazy flooring (Assume 70% of marble stone are and 30% of joint filer/mixture 7sqmx0.02m = 0.14 cum 10x0.872x0.14/0.051 = 24q					
2710	White marble makrana second quality plain veined stone pieces for crazy flooring	quintal	24.000	164.00	3936.00	
0368	White Cement	tonne	0.405	10500.00	4252.50	
0784	Marble dust/ powder	cum	0.070	1180.00	82.60	
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment @ 3.5kg/50kg of cement = 10x40.5x3.5/50=28.4kg	kilogram	28.400	65.00	1846.00	
0785	Marble chips upto 4mm and downsize White & black	quintal	8.720	200.00	1744.00	
2268	Carriage of Marble dust and marble chips	cum	0.510	0.00	0.00	
2209	Carriage of Cement	tonne	0.405	0.00	0.00	
9977	Carriage of pigment & marble powder	L.S.	36.400	2.27	82.63	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	2.400	0.00	0.00	
	Labour for finishing, polishing and fixing-					
0123	Mason 1st class	day	12.000	897.00	10764.00	
0114	Beldar	day	10.000	736.00	7360.00	
0115	Coolie	day	10.000	736.00	7360.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	50.000	816.00	40800.00	
9999	Sundries including carborandum etc.	L.S.	1345.500	2.27	3054.29	
0101	Bhisti	day	5.400	816.00	4406.40	
0013	Machine for rubbing of floors	day	40.000	350.00	14000.00	
	TOTAL				126918.70	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on "W-A"				1054.31	
	TOTAL				127973.01	X
	Add GST on "X-A" (multiplying factor 0.2127)				22649.39	
	TOTAL				150622.40	Y
	Add 15% CPOH on "Y-A"				19370.18	
	TOTAL				169992.58	Z
	Add Cess @ 1% on "Z-A"				1485.05	
	Cost of 100 Sqm.				171477.63	
	Cost of 1sqm.				1714.78	
	Say				1714.80	

11.16 Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm, laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement:4 coarse sand) :

11.16.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1201	Precast terrazo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	330.00	3630.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
0367	Portland Cement	tonne	0.044	5156.00	226.86	
	Grey cement for slurry @ 4.4kg/sqm.					
0368	White Cement for grouting	tonne	0.044	10500.00	462.00	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	65.00	200.20	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.27	367.69	
	TOTAL				10891.55	W
	Add 1 % Water charges on "W"				108.92	
	TOTAL				11000.47	X
	Add GST on "X" (multiplying factor 0.2127)				2339.80	
	TOTAL				13340.27	Y
	Add 15% CPOH on "Y"				2001.04	
	TOTAL				15341.31	Z
	Add Cess @ 1% on "Z"				153.41	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 10 sqm.				15494.72	
	Cost of 1 sqm.				1549.47	
	Say				1549.45	

11.16.2 Medium shade pigment using 50% white cement and 50% ordinary cement

Code	Description	Unit	Qty	Rate	Amount	
	Details of cost for 10 sqm.					
	MATERIAL					
1202	Precast terrazo tiles 22 mm thick (medium shade) including 10% wastage	sqm	11.00	315.00	3465.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Grey cement					
	(i) for slurry @ 4.4kg/sqm =44 kg.+					
	(ii) 50% for grouting = 22kg =66kg					
0367	Portland Cement	tonne	0.066	5156.00	340.30	
	50% white cement for grouting					
0368	White Cement for grouting	tonne	0.022	10500.00	231.00	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	
0876	Green or blue medium shade pigment	kg	3.08	60.00	184.80	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including pigment wherever reqd and carborandum stone etc.	L.S.	161.98	2.27	367.69	
	TOTAL				10593.59	W
	Add 1 % Water charges on “W”				105.94	
	TOTAL				10699.53	X
	Add GST on “X” (multiplying factor 0.2127)				2275.79	
	TOTAL				12975.32	Y
	Add 15% CPOH on “Y”				1946.30	
	TOTAL				14921.62	Z
	Add Cess @ 1% on “Z”				149.22	
	Cost of 10 sqm.				15070.84	
	Cost of 1 sqm.				1507.08	
	Say				1507.10	

11.16.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1203	Precast terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	285.00	3135.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Ordinary cement for					
	(i) Cement slurry @ 4.4kg/sqm = 44kg+					
	(ii) Grouting = 44 kg.					
	Total = 88kg or 0.088 tonne					
0367	Portland Cement	tonne	0.088	5156.00	453.73	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	
0874	Black colour dark shade pigment	kilogram	3.08	75.00	231.00	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.27	367.69	
	TOTAL				10192.22	W
	Add 1 % Water charges on “W”				101.92	
	TOTAL				10294.14	X
	Add GST on “X” (multiplying factor 0.2127)				2189.56	
	TOTAL				12483.70	Y
	Add 15% CPOH on “Y”				1872.56	
	TOTAL				14356.26	Z
	Add Cess @ 1% on “Z”				143.56	
	Cost of 10 sqm.				14499.82	
	Cost of 1 sqm.				1449.98	
	Say				1450.00	

11.16.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1203	Precast terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	285.00	3135.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Ordinary cement for					
	(i) Cement slurry @ 4.4kg/sqm = 44kg+					
	(ii) Grouting = 44 kg.					
	Total = 88kg or 0.088 tonne					
0367	Portland Cement	tonne	0.088	5156.00	453.73	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0874	Black colour dark shade pigment	kilogram	3.08	75.00	231.00	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including carborandum stone etc.	L.S.	161.98	2.27	367.69	
	Less for dark pigment [3.08+2.64=5.92 (for tiles)]					
0874	Sundries including pigment wherever required and carborandum stone etc.	kilogram	-5.92	75.00	-444.00	
	TOTAL				9748.22	W
	Add 1 % Water charges on “W”				97.48	
	TOTAL				9845.70	X
	Add GST on “X” (multiplying factor 0.2127)				2094.18	
	TOTAL				11939.88	Y
	Add 15% CPOH on “Y”				1790.98	
	TOTAL				13730.86	Z
	Add Cess @ 1% on “Z”				137.31	
	Cost of 10 sqm.				13868.17	
	Cost of 1 sqm.				1386.82	
	Say				1386.80	

11.17 Extra if terrazo tiles are laid in treads of steps not exceeding 30 cm in width.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	LABOUR					
0124	Mason 2nd class	day	0.22	816.00	179.52	
0115	Coolie	day	0.22	736.00	161.92	
0139	Skilled Beldar (for floor rubbing etc.)	day	0.65	816.00	530.40	
	TOTAL				871.84	W
	Add 1 % Water charges on “W”				8.72	
	TOTAL				880.56	X
	Add GST on “X” (multiplying factor 0.2127)				187.30	
	TOTAL				1067.86	Y
	Add 15% CPOH on “Y”				160.18	
	TOTAL				1228.04	Z
	Add Cess @ 1% on “Z”				12.28	
	Cost of 10 sqm.				1240.32	
	Cost of 1 sqm.				124.03	
	Say				124.05	

11.18 Precast terrazo tiles 22 mm thick with graded marble chips of sizes upto 12 mm, in skirting
11.18.1 and risers of steps not exceeding 30 cm in height, on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand), jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :

Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1201	Precast terrazo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	330.00	3630.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4881.95	703.00	
0368	White Cement	tonne	0.066	10500.00	693.00	
	For slurry					
	For buttering tiles bed sides =44 kg. +					
	For grouting =22 kg.					
	Total = 66 kg					
2209	Carriage of Cement	tonne	0.066	0.00	0.00	
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	4.62	65.00	300.30	
	66x3.5/50 = 4.62					
	LABOUR					
0124	Mason 2nd class	day	3.25	816.00	2652.00	
0115	Coolie	day	3.25	736.00	2392.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	7.6	816.00	6201.60	
9999	Sundries including pigment wherever required, carborandum stone and polishing powder etc.	L.S.	161.46	2.27	366.51	
	TOTAL				17030.19	W
	Add 1 % Water charges on “W”				170.30	
	TOTAL				17200.49	X
	Add GST on “X” (multiplying factor 0.2127)				3658.54	
	TOTAL				20859.03	Y
	Add 15% CPOH on “Y”				3128.85	
	TOTAL				23987.88	Z
	Add Cess @ 1% on “Z”				239.88	
	Cost of 10 sqm.				24227.76	
	Cost of 1 sqm.				2422.78	
	Say				2422.80	

11.18.2 Medium shades pigment using 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1202	Precast terrazo tiles 22 mm thick (medium shade) including wastage & breakage	sqm	11.00	315.00	3465.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4881.95	703.00	
	50% white cement for slurry					
0368	White Cement	tonne	0.033	10500.00	346.50	
0367	Portland Cement	tonne	0.033	5156.00	170.15	
2209	Carriage of Cement	tonne	0.066	0.00	0.00	
0876	Green or blue medium shade pigment	kilogram	4.62	60.00	277.20	
	LABOUR					
0124	Mason 2nd class	day	3.25	816.00	2652.00	
0115	Coolie	day	3.25	736.00	2392.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	816.00	6201.60	
9999	Sundries including pigment wherever required, carborandum stone and polishing powder etc.	L.S.	161.46	2.27	366.51	
	TOTAL				16665.74	W
	Add 1 % Water charges on “W”				166.66	
	TOTAL				16832.40	X
	Add GST on “X” (multiplying factor 0.2127)				3580.25	
	TOTAL				20412.65	Y
	Add 15% CPOH on “Y”				3061.90	
	TOTAL				23474.55	Z
	Add Cess @ 1% on “Z”				234.75	
	Cost of 10 sqm.				23709.30	
	Cost of 1 sqm.				2370.93	
	Say				2370.95	

11.18.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1203	Precast terrazo tiles 22 mm thick (dark shade) including wastage & breakage	sqm	11.00	285.00	3135.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4881.95	703.00	
	Grey cement for slurry					
0367	Portland Cement	tonne	0.066	5156.00	340.30	
2209	Carriage of Cement	tonne	0.066	0.00	0.00	
0874	Black colour dark shade pigment	kilogram	4.62	75.00	346.50	
	LABOUR					
0124	Mason 2nd class	day	3.25	816.00	2652.00	
0115	Coolie	day	3.25	736.00	2392.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	816.00	6201.60	
9999	Sundries including pigment wherever required, carborandum stone and polishing powder etc.	L.S.	161.46	2.27	366.51	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				16228.69	W
	Add 1 % Water charges on “W”				162.29	
	TOTAL				16390.98	X
	Add GST on “X” (multiplying factor 0.2127)				3486.36	
	TOTAL				19877.34	Y
	Add 15% CPOH on “Y”				2981.60	
	TOTAL				22858.94	Z
	Add Cess @ 1% on “Z”				228.59	
	Cost of 10 sqm.				23087.53	
	Cost of 1 sqm.				2308.75	
	Say				2308.75	

11.18.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1203	Precast terrazo tiles 22 mm thick (dark shade) including wastage & breakage	sqm	11.00	285.00	3135.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4881.95	703.00	
	Grey cement for sturry					
0367	Portland Cement	tonne	0.066	5156.00	340.30	
2209	Carriage of Cement	tonne	0.066	0.00	0.00	
0874	Black colour dark shade pigment	kilogram	4.62	75.00	346.50	
	LABOUR					
0124	Mason 2nd class	day	3.25	816.00	2652.00	
0115	Coolie	day	3.25	736.00	2392.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	816.00	6201.60	
9999	Sundries including pigment wherever required, carborandum stone and polishing powder etc.	L.S.	161.46	2.27	366.51	
	Less for dark shade pigment [4.62+2.84 (for tiles)]					
0874	Black colour dark shade pigment	kilogram	-7.46	75.00	-559.50	
	TOTAL				15669.19	W
	Add 1 % Water charges on “W”				156.69	
	TOTAL				15825.88	X
	Add GST on “X” (multiplying factor 0.2127)				3366.16	
	TOTAL				19192.04	Y
	Add 15% CPOH on “Y”				2878.81	
	TOTAL				22070.85	Z
	Add Cess @ 1% on “Z”				220.71	
	Cost of 10 sqm.				22291.56	
	Cost of 1 sqm.				2229.16	
	Say				2229.15	

11.19 Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :

11.19.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1227	Chequered terrazo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	320.00	3520.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Grey cement for slurry @ 4.4kg/sqm					
0367	Portland Cement	tonne	0.044	5156.00	226.86	
	White cement for grouting					
0368	White Cement	tonne	0.044	10500.00	462.00	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	65.00	200.20	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.27	367.69	
	TOTAL				10781.55	W
	Add 1 % Water charges on “W”				107.82	
	TOTAL				10889.37	X
	Add GST on “X” (multiplying factor 0.2127)				2316.17	
	TOTAL				13205.54	Y
	Add 15% CPOH on “Y”				1980.83	
	TOTAL				15186.37	Z
	Add Cess @ 1% on “Z”				151.86	
	Cost of 10 sqm.				15338.23	
	Cost of 1 sqm.				1533.82	
	Say				1533.80	

11.19.2 Medium shade pigment using 50% white cement, 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1228	Chequered terrazo tiles 22 mm thick (medium shade) including 10% wastage	sqm	11.00	300.00	3300.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Grey cement					
	(i) for slurry @ 4.4kg/sqm =44 kg.+					
	(ii) 50% for grouting = 22kg.					
	Total =66kg or 0.066 tonne					
0367	Portland Cement	tonne	0.066	5156.00	340.30	
	50% white cement for grouting					
0368	White Cement	tonne	0.022	10500.00	231.00	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	
0876	Green or blue medium shade pigment	kilogram	3.08	60.00	184.80	
	Labour and sundries					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.27	367.69	
	TOTAL				10428.59	W
	Add 1 % Water charges on “W”				104.29	
	TOTAL				10532.88	X
	Add GST on “X” (multiplying factor 0.2127)				2240.34	
	TOTAL				12773.22	Y
	Add 15% CPOH on “Y”				1915.98	
	TOTAL				14689.20	Z
	Add Cess @ 1% on “Z”				146.89	
	Cost of 10 sqm.				14836.09	
	Cost of 1 sqm.				1483.61	
	Say				1483.60	

11.19.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1229	Chequered terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	280.00	3080.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Ordinary cement for					
	(i) Cement slurry @ 4.4kg/sqm = 44kg+					
	(ii) Grouting = 44 kg.					
	Total = 88kg or 0.088 tonne					
0367	Portland Cement	tonne	0.088	5156.00	453.73	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0874	Black colour dark shade pigment	kilogram	3.08	75.00	231.00	
	Labour & sundries					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.27	367.69	
	TOTAL				10137.22	W
	Add 1 % Water charges on “W”				101.37	
	TOTAL				10238.59	X
	Add GST on “X” (multiplying factor 0.2127)				2177.75	
	TOTAL				12416.34	Y
	Add 15% CPOH on “Y”				1862.45	
	TOTAL				14278.79	Z
	Add Cess @ 1% on “Z”				142.79	
	Cost of 10 sqm.				14421.58	
	Cost of 1 sqm.				1442.16	
	Say				1442.15	

11.19.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1229	Chequered terrazo tiles 22 mm thick (dark shade) including 10% wastage	sqm	11.00	280.00	3080.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Ordinary cement for					
	(i) Cement slurry @ 4.4kg/sqm = 44kg+					
	(ii) Grouting = 44 kg.					
	Total = 88kg or 0.088 tonne					
0367	Portland Cement	tonne	0.088	5156.00	453.73	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	
0874	Black colour dark shade pigment	kilogram	3.08	75.00	231.00	
	Labour & sundries					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including pigment wherever required and carborandum stone etc.	L.S.	161.98	2.27	367.69	
	Less for dark shade pigment [3.08+2.84(for tiles)]					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0874	Black colour dark shade pigment	kilogram	-5.92	75.00	-444.00	
	TOTAL				9693.22	W
	Add 1 % Water charges on “W”				96.93	
	TOTAL				9790.15	X
	Add GST on “X” (multiplying factor 0.2127)				2082.36	
	TOTAL				11872.51	Y
	Add 15% CPOH on “Y”				1780.88	
	TOTAL				13653.39	Z
	Add Cess @ 1% on “Z”				136.53	
	Cost of 10 sqm.				13789.92	
	Cost of 1 sqm.				1378.99	
	Say				1379.00	

11.20 Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).

11.20.1 Light shade pigment using white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
7070	Chequered precast cement concrete tiles 22mm thick using marble chips of size 6mm - Light shade using white cement including 10% wastage	sqm	11.00	392.00	4312.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4211.70	926.57	
	Grey cement slury @ 4.4kg @sqm					
0367	Portland Cement	tonne	0.044	5156.00	226.86	
	White cement for grouting					
0368	White Cement	tonne	0.048	10500.00	504.00	
2209	Carriage of Cement	tonne	0.092	0.00	0.00	
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	65.00	200.20	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0101	Bhisti	day	1.00	816.00	816.00	
	TOTAL				9855.01	W
	Add 1 % Water charges on “W”				98.55	
	TOTAL				9953.56	X
	Add GST on “X” (multiplying factor 0.2127)				2117.12	
	TOTAL				12070.68	Y
	Add 15% CPOH on “Y”				1810.60	
	TOTAL				13881.28	Z
	Add Cess @ 1% on “Z”				138.81	
	Cost of 10 sqm.				14020.09	
	Cost of 1 sqm.				1402.01	
	Say				1402.00	

11.20.2 Medium shade pigment using 50% white cement 50% Grey cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
7237	Precast chequered cement tiles 22 mm thick medium shade using 50% white cement, 50% ordinary cement including 10% wastage	sqm	11.00	358.00	3938.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4211.70	926.57	
	Grey cement for slurry @ 4.4kg/sqm. = 44 kg.+					
	grey cement for grouting 2.4kg/sqm. = 24kg.					
	Total = 68 kg					
0367	Portland Cement	tonne	0.068	5156.00	350.61	
	White cement for grouting @ 2.4kg/sqm. = 24 kg					
0368	White Cement	tonne	0.024	10500.00	252.00	
2209	Carriage of Cement	tonne	0.092	0.00	0.00	
0876	Green or blue medium shade pigment	kilogram	3.08	60.00	184.80	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0101	Bhisti	day	1.00	816.00	816.00	
	TOTAL				9337.36	W
	Add 1 % Water charges on “W”				93.37	
	TOTAL				9430.73	X
	Add GST on “X” (multiplying factor 0.2127)				2005.92	
	TOTAL				11436.65	Y
	Add 15% CPOH on “Y”				1715.50	
	TOTAL				13152.15	Z
	Add Cess @ 1% on “Z”				131.52	
	Cost of 10 sqm.				13283.67	
	Cost of 1 sqm.				1328.37	
	Say				1328.35	

11.20.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement including 10% wastage	sqm	11.00	232.00	2552.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4211.70	926.57	
	Grey cement for slurry @ 4.4kg/sqm.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	= 44 kg.+ For grouting = 48 kg.					
	Total=92 kg. say 0.092 tonne					
0367	Portland Cement	tonne	0.092	5156.00	474.35	
2209	Carriage of Cement	tonne	0.092	0.00	0.00	
0874	Black colour dark shade pigment	kilogram	3.08	75.00	231.00	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0101	Bhisti	day	1.00	816.00	816.00	
	TOTAL				7869.30	W
	Add 1 % Water charges on “W”				78.69	
	TOTAL				7947.99	X
	Add GST on “X” (multiplying factor 0.2127)				1690.54	
	TOTAL				9638.53	Y
	Add 15% CPOH on “Y”				1445.78	
	TOTAL				11084.31	Z
	Add Cess @ 1% on “Z”				110.84	
	Cost of 10 sqm.				11195.15	
	Cost of 1 sqm.				1119.52	
	Say				1119.50	

11.20.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement including 10% wastage	sqm	11.00	232.00	2552.00	
9977	Carriage of tiles	L.S.	40.43	2.27	91.78	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	4211.70	926.57	
	Grey cement for slurry @ 4.4kg/sqm.					
	= 44 kg + For grouting = 48 kg.					
	Total = 92 kg. Say 0.092 tonne					
0367	Portland Cement	tonne	0.092	5156.00	474.35	
2209	Carriage of Cement	tonne	0.092	0.00	0.00	
0874	Black colour dark shade pigment	kilogram	3.08	75.00	231.00	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0101	Bhisti	day	1.00	816.00	816.00	
	Less for dark shade pigment [3.08+2.84 (for tiles)]					
0874	Black colour dark shade pigment	kilogram	-5.92	75.00	-444.00	
	TOTAL				7425.30	W
	Add 1 % Water charges on “W”				74.25	
	TOTAL				7499.55	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				1595.15	
	TOTAL				9094.70	Y
	Add 15% CPOH on "Y"				1364.21	
	TOTAL				10458.91	Z
	Add Cess @ 1% on "Z"				104.59	
	Cost of 10 sqm.				10563.50	
	Cost of 1 sqm.				1056.35	
	Say				1056.35	

11.21 Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge.

11.21.1 In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)

11.21.1.1 Acid and alkali resistant tile

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Acid proof tiles of size 300x300mm,					
	10mm thick = 11.11nos+					
	Add wastage and breakage @ 2.5% = 0.28 nos.					
	Total = 11.39 nos. Say 12 nos.					
7077	Acid and alkali resistant tiles 300x300 mm					
	size, 10 mm thick	10 Nos	1.20	530.00	636.00	
9977	Carriage	L.S.	6.24	2.27	14.16	
	10mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	4211.70	50.54	
9999	Mortar for pointing in acid/alkali resistant cement	L.S.	40.43	2.27	91.78	
	Cement for slurry over bed @ 3.3kg per sqm					
0367	Portland Cement	tonne	0.003	5156.00	15.47	
	Difference of cost for using acid proof cement instead of ordinary cement					
	Add					
7024	Acid Proof cement	tonne	0.008	8424.00	67.39	
	Deduct					
0367	Portland Cement	tonne	-0.008	5156.00	-41.25	
	LABOUR					
0123	Mason 1st class	day	0.20	897.00	179.40	
0115	Coolie	day	0.20	736.00	147.20	
9988	Sundries including carriage of cement etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1221.78	W
	Add 1 % Water charges on "W"				12.22	
	TOTAL				1234.00	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				262.47	
	TOTAL				1496.47	Y
	Add 15% CPOH on "Y"				224.47	
	TOTAL				1720.94	Z
	Add Cess @ 1% on "Z"				17.21	
	Cost of 1 sqm.				1738.15	
	Say				1738.15	

11.21.2 In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)

11.21.2.1 Acid and alkali resistant tile

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm.					
	MATERIAL					
	Acid proof tiles of size 300x300mm, 10mm thick = 11.11nos+ Add wastage and breakage @ 2.5% = 0.28 nos. Total = 11.39 nos. Say 12 nos.					
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	1.20	530.00	636.00	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
	12mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.014	4211.70	58.96	
	Difference of cost for using acid proof cement instead of ordinary cement					
	Add					
7024	Acid Proof cement	tonne	0.009	8424.00	75.82	
	Deduct					
0367	Portland Cement	tonne	-0.009	5156.00	-46.40	
9999	Mortar for pointing in acid proof cement	L.S.	40.43	2.27	91.78	
	Acid proof cementfor slurry over plaster 3.3kg/sqm					
7024	Acid Proof cement	tonne	0.003	8424.00	25.27	
	LABOUR					
0123	Mason 1st class	day	0.25	897.00	224.25	
0115	Coolie	day	0.25	736.00	184.00	
9988	Sundries including carriage of cement etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1324.93	W
	Add 1 % Water charges on "W"				13.25	
	TOTAL				1338.18	X
	Add GST on "X" (multiplying factor 0.2127)				284.63	
	TOTAL				1622.81	Y
	Add 15% CPOH on "Y"				243.42	
	TOTAL				1866.23	Z
	Add Cess @ 1% on "Z"				18.66	
	Cost of 1 sqm.				1884.89	
	Say				1884.90	

11.22 Tile work in skirting, risers of steps and dado up to 2 m height over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/ sqm, including pointing in white cement mixed with pigment of matching shade complete.

11.22.1 Marble tiles (polished) Raj Nagar

11.22.1.1 8 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
2751	8 mm thick marble tiles (polished) Raj Nagar including wastage	sqm	10.610	409.00	4339.49	
9977	Carriage of tiles	L.S.	39.000	2.27	88.53	
	12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.140	4881.95	683.47	
9999	Mortar for pointing in white cement	L.S.	253.500	2.27	575.45	
	Cement for slurry @ 3.3kg/sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
9999	Pigment	L.S.	20.800	2.27	47.22	
	LABOUR					
0123	Mason 1st class	day	2.500	897.00	2242.50	
0115	Coolie	day	2.500	736.00	1840.00	
9988	Sundries including carriage of cement etc.	L.S.	169.000	2.27	383.63	
	TOTAL				10370.44	W
	Add 1 % Water charges on “W”				103.70	
	TOTAL				10474.14	X
	Add GST on “X” (multiplying factor 0.2127)				2227.85	
	TOTAL				12701.99	Y
	Add 15% CPOH on “Y”				1905.30	
	TOTAL				14607.29	Z
	Add Cess @ 1% on “Z”				146.07	
	Cost of 10 sqm.				14753.36	
	Cost of 1 sqm.				1475.34	
	Say				1475.35	

11.23 Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :

11.23.1 Makrana white second quality

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	20mm thick marble slab = 10.00sqm.+					
	Add for wastage 15% = 1.50sqm.					
	Total = 11.50sqm.					
6001	White marble slab Makrana second quality plain veined 18 mm thick	sqm	11.50	1450.00	16675.00	
	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.9	Rate as per Item Number 3.9 of SH: Mortars Cement for slurry @4.4kg/sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	cum	0.224	4211.70	943.42	
0367	Portland Cement	tonne	0.05	5156.00	257.80	
9977	Carriage of marble slab	L.S.	26.91	2.27	61.09	
	LABOUR (for finishing, polishing and fixing)					
0123	Mason 1st class	day	1.20	897.00	1076.40	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.27	305.43	
	TOTAL				26271.14	W
	Add 1 % Water charges on “W”				262.71	
	TOTAL				26533.85	X
	Add GST on “X” (multiplying factor 0.2127)				5643.75	
	TOTAL				32177.60	Y
	Add 15% CPOH on “Y”				4826.64	
	TOTAL				37004.24	Z
	Add Cess @ 1% on “Z”				370.04	
	Cost of 10 sqm.				37374.28	
	Cost of 1 sqm.				3737.43	
	Say				3737.45	

11.23.2 Raj Nagar plain

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm. MATERIAL 20mm thick marble slab = 10.00sqm.+ Add for wastage 15% = 1.50sqm. Total = 11.50sqm.					
7071	White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	11.50	600.00	6900.00	
3.9	Rate as per Item Number 3.9 of SH: Mortars Cement for slurry @, 4.4kg sqm. (i) for bedding = 44 kg+ (ii) for jointing = 6 kg. Total = 50 kg	cum	0.224	4211.70	943.42	
0367	Portland Cement	tonne	0.05	5156.00	257.80	
9977	Carriage of marble slab	L.S.	26.91	2.27	61.09	
	LABOUR (for finishing, polishing and fixing)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason 1st class	day	1.20	897.00	1076.40	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.27	305.43	
	TOTAL				16496.14	W
	Add 1 % Water charges on “W”				164.96	
	TOTAL				16661.10	X
	Add GST on “X” (multiplying factor 0.2127)				3543.82	
	TOTAL				20204.92	Y
	Add 15% CPOH on “Y”				3030.74	
	TOTAL				23235.66	Z
	Add Cess @ 1% on “Z”				232.36	
	Cost of 10 sqm.				23468.02	
	Cost of 1 sqm.				2346.80	
	Say				2346.80	

11.23.3 Agaria White

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	20mm thick marble slab = 10.00sqm.+					
	Add for wastage 15% = 1.50sqm.					
	Total = 11.50sqm.					
7850	Agaria White marble slab plain 18mm thick	sqm	11.50	1100.00	12650.00	
	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Cement for slurry @ 4.4kg sqm.					
	(i) for bedding = 44 kg+					
	(ii) for jointing = 6 kg.					
	Total = 50 kg					
0367	Portland Cement	tonne	0.05	5156.00	257.80	
9977	Carriage of marble slab	L.S.	26.91	2.27	61.09	
	LABOUR					
	(for finishing, polishing and fixing)					
0123	Mason 1st class	day	1.20	897.00	1076.40	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.27	305.43	
	TOTAL				22246.14	W
	Add 1 % Water charges on “W”				222.46	
	TOTAL				22468.60	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				4779.07	
	TOTAL				27247.67	Y
	Add 15% CPOH on "Y"				4087.15	
	TOTAL				31334.82	Z
	Add Cess @ 1% on "Z"				313.35	
	Cost of 10 sqm.				31648.17	
	Cost of 1 sqm.				3164.82	
	Say				3164.80	

11.23.4 Black Zebra

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	20mm thick marble slab = 10.00sqm.+					
	Add for wastage 15% = 1.50sqm.					
	Total = 11.50sqm.					
6019	Black Zebra marble slab plain 18mm thick	sqm	11.50	1000.00	11500.00	
	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Cement for slurry @, 4.4kg sqm.					
	(i) for bedding = 44 kg+					
	(ii) for jointing = 6 kg.					
	Total = 50 kg					
0367	Portland Cement	tonne	0.05	5156.00	257.80	
9977	Carriage of marble slab	L.S.	26.91	2.27	61.09	
	LABOUR					
	(for finishing, polishing and fixing)					
0123	Mason 1st class	day	1.20	897.00	1076.40	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.27	305.43	
	TOTAL				21096.14	W
	Add 1 % Water charges on "W"				210.96	
	TOTAL				21307.10	X
	Add GST on "X" (multiplying factor 0.2127)				4532.02	
	TOTAL				25839.12	Y
	Add 15% CPOH on "Y"				3875.87	
	TOTAL				29714.99	Z
	Add Cess @ 1% on "Z"				297.15	
	Cost of 10 sqm.				30012.14	
	Cost of 1 sqm.				3001.21	
	Say				3001.20	

11.23.5 Udaipur green marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	20mm thick marble slab = 10.00sqm.+					
	Add for wastage 15% = 1.50sqm.					
	Total = 11.50sqm.					
6010	Udaypur green marble slab plain 18mm thick	sqm	11.50	650.00	7475.00	
	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Cement for slurry @ 4.4kg sqm.					
	(i) for bedding = 44 kg+					
	(ii) for jointing = 6 kg.					
	Total = 50 kg					
0367	Portland Cement	tonne	0.05	5156.00	257.80	
9977	Carriage of marble slab	L.S.	26.91	2.27	61.09	
	LABOUR					
	(for finishing, polishing and fixing)					
0123	Mason 1st class	day	1.20	897.00	1076.40	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.27	305.43	
	TOTAL				17071.14	W
	Add 1 % Water charges on “W”				170.71	
	TOTAL				17241.85	X
	Add GST on “X” (multiplying factor 0.2127)				3667.34	
	TOTAL				20909.19	Y
	Add 15% CPOH on “Y”				3136.38	
	TOTAL				24045.57	Z
	Add Cess @ 1% on “Z”				240.46	
	Cost of 10 sqm.				24286.03	
	Cost of 1 sqm.				2428.60	
	Say				2428.60	

11.23.6 Pink plain marble

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	20mm thick marble slab = 10.00sqm.+					
	Add for wastage 15% = 1.50sqm.					
	Total = 11.50sqm.					
6007	Pink marble slab plain 18mm thick	sqm	11.50	700.00	8050.00	
	Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cement for slurry @ 4.4kg sqm.					
	(i) for bedding = 44 kg+					
	(ii) for jointing = 6 kg.					
	Total = 50 kg					
0367	Portland Cement	tonne	0.05	5156.00	257.80	
9977	Carriage of marble slab	L.S.	26.91	2.27	61.09	
	LABOUR					
	(for finishing, polishing and fixing)					
0123	Mason 1st class	day	1.20	897.00	1076.40	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9988	Sundries and carriage of cement etc.	L.S.	134.55	2.27	305.43	
	TOTAL				17646.14	W
	Add 1 % Water charges on “W”				176.46	
	TOTAL				17822.60	X
	Add GST on “X” (multiplying factor 0.2127)				3790.87	
	TOTAL				21613.47	Y
	Add 15% CPOH on “Y”				3242.02	
	TOTAL				24855.49	Z
	Add Cess @ 1% on “Z”				248.55	
	Cost of 10 sqm.				25104.04	
	Cost of 1 sqm.				2510.40	
	Say				2510.40	

11.24 Extra for pre finished nosing to treads of steps of marble stone.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metre					
	LABOUR					
0126	Mason (for ornamental stone work) 1st class	day	2.00	897.00	1794.00	
0114	Beldar	day	1.50	736.00	1104.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	2.50	816.00	2040.00	
9999	Sundries	L.S.	53.82	2.27	122.17	
	TOTAL				5060.17	W
	Add 1 % Water charges on “W”				50.60	
	TOTAL				5110.77	X
	Add GST on “X” (multiplying factor 0.2127)				1087.06	
	TOTAL				6197.83	Y
	Add 15% CPOH on “Y”				929.67	
	TOTAL				7127.50	Z
	Add Cess @ 1% on “Z”				71.28	
	Cost for 10 metre				7198.78	
	Cost for 1metre				719.88	
	Say				719.90	

11.25 Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 metre.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	LABOUR					
0123	Mason 1st class	day	1.95	897.00	1749.15	
0114	Beldar	day	1.40	736.00	1030.40	
0115	Coolie	day	0.75	736.00	552.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	3.18	816.00	2594.88	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				5987.52	W
	Add 1 % Water charges on “W”				59.88	
	TOTAL				6047.40	X
	Add GST on “X” (multiplying factor 0.2127)				1286.28	
	TOTAL				7333.68	Y
	Add 15% CPOH on “Y”				1100.05	
	TOTAL				8433.73	Z
	Add Cess @ 1% on “Z”				84.34	
	Cost for 10sqm.				8518.07	
	Cost for 1sqm.				851.81	
	Say				851.80	

11.26 Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :

11.26.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished) including 15% wastage	sqm	11.50	320.00	3680.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	0.00	0.00	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	Cement for slurry-(i) for bedding = 44kg+ (ii) for joints = 20 kg.Total = 64 kg. or 0.064 tonne					
0367	Portland Cement	tonne	0.064	5156.00	329.98	
2209	Carriage of Cement	tonne	0.064	0.00	0.00	
0874	Black colour dark shade pigment	kilogram	4.50	75.00	337.50	
	LABOUR					
0124	Mason 2nd class	day	1.20	816.00	979.20	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9999	Sundries	L.S.	208.13	2.27	472.46	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				13694.56	W
	Add 1 % Water charges on “W”				136.95	
	TOTAL				13831.51	X
	Add GST on “X” (multiplying factor 0.2127)				2941.96	
	TOTAL				16773.47	Y
	Add 15% CPOH on “Y”				2516.02	
	TOTAL				19289.49	Z
	Add Cess @ 1% on “Z”				192.89	
	Cost for 10sqm.				19482.38	
	Cost for 1sqm.				1948.24	
	Say				1948.25	

11.27 Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished) including 15% wastage	sqm	11.50	320.00	3680.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	0.00	0.00	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4881.95	703.00	
0367	Portland Cement	tonne	0.064	5156.00	329.98	
	for slurry					
2209	Carriage of Cement	tonne	0.064	0.00	0.00	
0874	Black colour dark shade pigment	kilogram	4.50	75.00	337.50	
	LABOUR					
0124	Mason 2nd class	day	3.00	816.00	2448.00	
0114	Beldar	day	3.00	736.00	2208.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	7.00	816.00	5712.00	
9999	Sundries	L.S.	174.98	2.27	397.20	
	TOTAL				16551.68	W
	Add 1 % Water charges on “W”				165.52	
	TOTAL				16717.20	X
	Add GST on “X” (multiplying factor 0.2127)				3555.75	
	TOTAL				20272.95	Y
	Add 15% CPOH on “Y”				3040.94	
	TOTAL				23313.89	Z
	Add Cess @ 1% on “Z”				233.14	
	Cost for 10sqm.				23547.03	
	Cost for 1sqm.				2354.70	
	Say				2354.70	

11.28 40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints finished flush.

11.28.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Finished work = 10 sqm					
	Add for wastage @ 10% = 1 sqm					
	Total = 11 sqm					
1164	Red sand stone slab 40 mmthick (un-dressed)	sqm	11.00	330.00	3630.00	
9977	Carriage	L.S.	34.06	2.27	77.32	
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)					
	(i) for beading = 0.224 cum+					
	(ii) for joining = 0.026 cum.					
	Total=0.250cum.					
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3850.75	962.69	
	LABOUR					
0123	Mason 1st class	day	3.10	897.00	2780.70	
0100	Bandhani	day	1.10	816.00	897.60	
0115	Coolie	day	0.55	736.00	404.80	
0101	Bhisti	day	0.27	816.00	220.32	
9999	Sundries	L.S.	10.79	2.27	24.49	
	TOTAL				8997.92	W
	Add 1 % Water charges on “W”				89.98	
	TOTAL				9087.90	X
	Add GST on “X” (multiplying factor 0.2127)				1933.00	
	TOTAL				11020.90	Y
	Add 15% CPOH on “Y”				1653.14	
	TOTAL				12674.04	Z
	Add Cess @ 1% on “Z”				126.74	
	Cost for 10sqm.				12800.78	
	Cost for 1sqm.				1280.08	
	Say				1280.10	

11.28.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Finished work = 10 sqm					
	Add for wastage @ 10% = 1 sqm					
	Total = 11 sqm					
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	11.00	370.00	4070.00	
9977	Carriage	L.S.	34.06	2.27	77.32	
	Cement mortar 1 : 5 (1 cement :					
	5 coarse sand)					
	(i) for beading = 0.224 cum+					
	(ii) for joining = 0.026 cum.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total=0.250cum.					
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3850.75	962.69	
	LABOUR					
0123	Mason 1st class	day	3.10	897.00	2780.70	
0100	Bandhani	day	1.10	816.00	897.60	
0115	Coolie	day	0.55	736.00	404.80	
0101	Bhisti	day	0.27	816.00	220.32	
9999	Sundries	L.S.	10.79	2.27	24.49	
	TOTAL				9437.92	W
	Add 1 % Water charges on “W”				94.38	
	TOTAL				9532.30	X
	Add GST on “X” (multiplying factor 0.2127)				2027.52	
	TOTAL				11559.82	Y
	Add 15% CPOH on “Y”				1733.97	
	TOTAL				13293.79	Z
	Add Cess @ 1% on “Z”				132.94	
	Cost for 10sqm.				13426.73	
	Cost for 1sqm.				1342.67	
	Say				1342.65	

11.29 40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand), including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone.

11.29.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Finished work = 10 sqm					
	Add for wastage @ 10% = 1 sqm					
	Total = 11 sqm					
1164	Red sand stone slab 40 mmthick (un-dressed)	sqm	11.00	330.00	3630.00	
9977	Carriage	L.S.	34.06	2.27	77.32	
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)					
	(i) for beading = 0.224 cum+					
	(ii) for joining = 0.026 cum.					
	Total=0.250cum.					
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3850.75	962.69	
	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)					
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.023	5252.00	120.80	
	LABOUR					
0123	Mason 1st class	day	3.90	897.00	3498.30	
0100	Bandhani	day	1.10	816.00	897.60	
0115	Coolie	day	1.40	736.00	1030.40	
0101	Bhisti	day	0.55	816.00	448.80	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				10727.00	W
	Add 1 % Water charges on “W”				107.27	
	TOTAL				10834.27	X
	Add GST on “X” (multiplying factor 0.2127)				2304.45	
	TOTAL				13138.72	Y
	Add 15% CPOH on “Y”				1970.81	
	TOTAL				15109.53	Z
	Add Cess @ 1% on “Z”				151.10	
	Cost for 10sqm.				15260.63	
	Cost for 1sqm.				1526.06	
	Say				1526.05	

11.29.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Finished work = 10 sqm					
	Add for wastage @ 10% = 1 sqm					
	Total = 11 sqm					
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	11.00	370.00	4070.00	
9977	Carriage	L.S.	34.06	2.27	77.32	
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)					
	(i) for beading = 0.224 cum+					
	(ii) for joining = 0.026 cum.					
	Total=0.250cum.					
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3850.75	962.69	
	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)					
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.023	5252.00	120.80	
	LABOUR					
0123	Mason 1st class	day	3.90	897.00	3498.30	
0100	Bandhani	day	1.10	816.00	897.60	
0115	Coolie	day	1.40	736.00	1030.40	
0101	Bhisti	day	0.55	816.00	448.80	
9999	Sundries	L.S.	26.91	2.27	61.09	
	TOTAL				11167.00	W
	Add 1 % Water charges on “W”				111.67	
	TOTAL				11278.67	X
	Add GST on “X” (multiplying factor 0.2127)				2398.97	
	TOTAL				13677.64	Y
	Add 15% CPOH on “Y”				2051.65	
	TOTAL				15729.29	Z
	Add Cess @ 1% on “Z”				157.29	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost for 10sqm.				15886.58	
	Cost for 1sqm.				1588.66	
	Say				1588.65	

11.30 40 mm thick rubbed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints 3 mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar.

11.30.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Finished work = 10 sqm					
	Add for wastage @ 10% = 1 sqm					
	Total = 11 sqm					
1164	Red sand stone slab 40 mmthick (un-dressed)	sqm	11.00	330.00	3630.00	
9977	Carriage	L.S.	34.06	2.27	77.32	
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)					
	(i) for beading = 0.224 cum+					
	(ii) for joining = 0.026 cum.					
	Total=0.250cum.					
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3850.75	962.69	
	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)					
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.023	5252.00	120.80	
	LABOUR					
0123	Mason 1st class	day	3.90	897.00	3498.30	
0100	Bandhani	day	1.10	816.00	897.60	
0115	Coolie	day	1.40	736.00	1030.40	
0101	Bhisti	day	0.55	816.00	448.80	
9999	Sundries	L.S.	26.91	2.27	61.09	
	Labour for rubbing of stone					
0139	Skilled Beldar (for floor rubbing etc.)	day	0.618	816.00	504.29	
0013	Machine for rubbing of floors	day	0.988	350.00	345.80	
	TOTAL				11577.09	W
	Add 1 % Water charges on “W”				115.77	
	TOTAL				11692.86	X
	Add GST on “X” (multiplying factor 0.2127)				2487.07	
	TOTAL				14179.93	Y
	Add 15% CPOH on “Y”				2126.99	
	TOTAL				16306.92	Z
	Add Cess @ 1% on “Z”				163.07	
	Cost for 10sqm.				16469.99	
	Cost for 1sqm.				1647.00	
	Say				1647.00	

11.30.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	MATERIAL					
	Finished work = 10 sqm					
	Add for wastage @ 10% = 1 sqm					
	Total = 11 sqm					
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	11.00	370.00	4070.00	
9977	Carriage	L.S.	34.06	2.27	77.32	
	Cement mortar 1 : 5 (1 cement : 5 coarse sand)					
	(i) for beading = 0.224 cum+					
	(ii) for joining = 0.026 cum.					
	Total=0.250cum.					
3.10	Rate as per Item Number 3.10 of SH: Mortars	cum	0.25	3850.75	962.69	
	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)					
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.023	5252.00	120.80	
	LABOUR					
0123	Mason 1st class	day	3.90	897.00	3498.30	
0100	Bandhani	day	1.10	816.00	897.60	
0115	Coolie	day	1.40	736.00	1030.40	
0101	Bhisti	day	0.55	816.00	448.80	
9999	Sundries	L.S.	26.91	2.27	61.09	
	Labour for rubbing of stone					
0139	Skilled Beldar (for floor rubbing etc.)	day	0.618	816.00	504.29	
0013	Machine for rubbing of floors	day	0.988	350.00	345.80	
	TOTAL				12017.09	W
	Add 1 % Water charges on “W”				120.17	
	TOTAL				12137.26	X
	Add GST on “X” (multiplying factor 0.2127)				2581.60	
	TOTAL				14718.86	Y
	Add 15% CPOH on “Y”				2207.83	
	TOTAL				16926.69	Z
	Add Cess @ 1% on “Z”				169.27	
	Cost for 10sqm.				17095.96	
	Cost for 1sqm.				1709.60	
	Say				1709.60	

11.31 Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 metre					
	LABOUR					
0126	Mason (for ornamental stone work) 1st class	day	1.50	897.00	1345.50	
	TOTAL				1345.50	W
	Add 1 % Water charges on “W”				13.46	
	TOTAL				1358.96	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				289.05	
	TOTAL				1648.01	Y
	Add 15% CPOH on "Y"				247.20	
	TOTAL				1895.21	Z
	Add Cess @ 1% on "Z"				18.95	
	Cost for 10metre				1914.16	
	Cost for 1 metre				191.42	
	Say				191.40	

11.32 Extra for Kota stone/ sand stone in treads of steps and risers using single length above normal size up to 2.00 metre.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	LABOUR					
0124	Mason 2nd class	day	0.200	816.00	163.20	
0114	Beldar	day	0.200	736.00	147.20	
	TOTAL				310.40	W
	Add 1 % Water charges on "W"				3.10	
	TOTAL				313.50	X
	Add GST on "X" (multiplying factor 0.2127)				66.68	
	TOTAL				380.18	Y
	Add 15% CPOH on "Y"				57.03	
	TOTAL				437.21	Z
	Add Cess @ 1% on "Z"				4.37	
	Cost for 10sqm.				441.58	
	Cost for 1sqm.				44.16	
	Say				44.15	

11.33 25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with :

11.33.1 Second class teak wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.5x4=10 sqm.					
	MATERIAL					
	Second class indian teak wood					
	No of joints = 4000/138 = 28.97					
	Total = (29-1) = 28 nos					
	Qty of wood required					
	2.5(4+0.336)x0.025 = 0.271 cum					
	Add wastage @ 10 % = 0.027 cum					
	Total = 0.2981 cum = 298.1 cudm					
1190	Second class teak wood in planks	10 cudm	29.810	791.00	23579.71	
1231	Extra for selected planks of second class teakwood	10 cudm	29.810	150.00	4471.50	
2204	Carriage of Timber	cum	0.298	0.00	0.00	
0682	Oxidised mild steel screws 50 mm (slotted counters sunk head type)	100 Nos	2.000	85.00	170.00	
	LABOUR					
0111	Carpenter 1st class	day	2.680	897.00	2403.96	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	1.350	736.00	993.60	
9999	Sundries for glue etc.	L.S.	33.280	2.27	75.55	
	TOTAL				31694.32	W
	Add 1 % Water charges on “W”				316.94	
	TOTAL				32011.26	X
	Add GST on “X” (multiplying factor 0.2127)				6808.80	
	TOTAL				38820.06	Y
	Add 15% CPOH on “Y”				5823.01	
	TOTAL				44643.07	Z
	Add Cess @ 1% on “Z”				446.43	
	Cost for 10 sqm.				45089.50	
	Cost for 1sqm.				4508.95	
	Say				4508.95	

11.33.2 Second class deodar wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 2.5x4=10 sqm.					
	MATERIAL					
	Second class deodar wood planks					
	No of joints = 4000/138 = 28.97					
	Total = (29-1) = 28 nos					
	Qty of wood required					
	2.5(4+0.336)x0.025 = 0.271 cum					
	Add wastage @ 10 % = 0.027 cum					
	Total = 0.2981 cum = 298.1 cudm					
1194	Second class deodar wood in planks	10 cudm	29.810	500.00	14905.00	
2500	Extra for selected planks of second class deodar wood	10 cudm	29.810	115.00	3428.15	
2204	Carriage of Timber	cum	0.298	0.00	0.00	
0682	Oxidised mild steel screws 50 mm (slotted counters sunk head type)	100 Nos	2.000	85.00	170.00	
	LABOUR					
0111	Carpenter 1st class	day	2.160	897.00	1937.52	
0114	Beldar	day	1.080	736.00	794.88	
9999	Sundries for glue etc.	L.S.	26.910	2.27	61.09	
	TOTAL				21296.64	W
	Add 1 % Water charges on “W”				212.97	
	TOTAL				21509.61	X
	Add GST on “X” (multiplying factor 0.2127)				4575.09	
	TOTAL				26084.70	Y
	Add 15% CPOH on “Y”				3912.71	
	TOTAL				29997.41	Z
	Add Cess @ 1% on “Z”				299.97	
	Cost for 10 sqm.				30297.38	
	Cost for 1sqm.				3029.74	
	Say				3029.75	

11.34 38 mm thick wood block flooring of first class teak wood laid over 25 mm thick leveling layer of cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 10 mm nominal size) to be paid separately, coated with a thin layer of hot bitumen penetration 80/25 (blown type) @ 2.45 kg per sqm, including fixing blocks in position after dipping in hot bitumen (blown type) up to half depth, planed, levelled smooth and finished complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm.					
	Bitumen blown type					
	i) For bed layer @ 2.45kg/sqm. = 2.45kg+					
	ii) For dipping blocks L.S. = 2.00Kg.					
	Total for 10sqm = 10X4.45kg = 44.5 kg					
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	0.044	38250.00	1683.00	
2211	Carriage of Tar bitumen	tonne	0.044	0.00	0.00	
	1st class teal wood in scanting for wooden blocks					
	10x1 sqm x 0.038 m = 0.38 cum					
	Add 10 % wastage = 0.038 cum					
	Total = 0.418 cum or 418 cudm					
1187	First class teak wood in scantling	10 cudm	41.800	880.00	36784.00	
2204	Carriage of Timber	cum	0.418	0.00	0.00	
	LABOUR					
0111	Carpenter 1st class	day	17.500	897.00	15697.50	
0114	Beldar	day	22.500	736.00	16560.00	
0115	Coolie	day	15.000	736.00	11040.00	
0130	Mistry	day	1.000	897.00	897.00	
9999	Sundries such as fuel, kerosene oil, sand paper etc.	L.S.	807.300	2.27	1832.57	
	TOTAL				84494.07	W
	Add 1 % Water charges on “W”				844.94	
	TOTAL				85339.01	X
	Add GST on “X” (multiplying factor 0.2127)				18151.61	
	TOTAL				103490.62	Y
	Add 15% CPOH on “Y”				15523.59	
	TOTAL				119014.21	Z
	Add Cess @ 1% on “Z”				1190.14	
	Cost for 10 sqm.				120204.35	
	Cost for 1 sqm.				12020.44	
	Say				12020.45	

11.35 Providing and fixing M.S. angle 50x50x5 mm to act as nosing with lugs of M.S. flat 10x5 mm, 10 cm long, forked at end 60cm apart (minimum three lugs to be provided), including necessary welding and applying a priming coat of approved primer on exposed surface etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 30m =[(11.40+0.24kg) x10= 116.4kg]					
	MATERIAL					
	Angle iron 50x50x5 mm =30 m					
	Add wastage @ 5% = 1.5 m					
	Total=31.5 m @ 3.80 kg per m = 119.7 kg Say 1.2 qtl					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1007	Structurals such as tees,angles channels and R.S. joists	quintal	1.200	5965.00	7158.00	
	Lugs 10x5 mm flat = 10x6x0.10 = 6 m@ 0.40 kg per m = 2.4 kg					
	Add wastage @ 5% = 0.12 kg					
	Total 2.52 kg or 0.025 qtl					
1008	Flats upto 10 mm in thickness	quintal	0.025	5450.00	136.25	
2205	Carriage of Steel	tonne	0.160	0.00	0.00	
1215	Welding by electric plant	cm	60.000	2.50	150.00	
	6cm (lugs)					
9999	Sundries	L.S.	91.000	2.27	206.57	
	LABOUR					
0103	Blacksmith 2nd class	day	0.900	816.00	734.40	
0123	Mason 1st class	day	4.500	897.00	4036.50	
0114	Beldar	day	2.500	736.00	1840.00	
	Priming coat 30x0.20 = 6 sqm					
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	6.000	67.40	404.40	A
	TOTAL				14666.12	W
	Add 1 % Water charges on “W-A”				142.62	
	TOTAL				14808.74	X
	Add GST on “X-A” (multiplying factor 0.2127)				3063.80	
	TOTAL				17872.54	Y
	Add 15% CPOH on “Y-A”				2620.22	
	TOTAL				20492.76	Z
	Add Cess @ 1% on “Z-A”				200.88	
	Cost for 116.4 kg.				20693.64	
	Cost per 1 Kg.				177.78	
	Say				177.80	

11.37 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Glazed Ceramic floor tiles 300x300 mm size = 10 sqm					
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
7801	Ceramic Glazed Tiles Ist quality 300 x 300mm in all shades and designs of White, Ivory, grey, Fuem Red brown etc.	sqm	10.250	200.00	2050.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	202.000	2.27	458.54	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				7708.01	W
	Add 1 % Water charges on “W”				77.08	
	TOTAL				7785.09	X
	Add GST on “X” (multiplying factor 0.2127)				1655.89	
	TOTAL				9440.98	Y
	Add 15% CPOH on “Y”				1416.15	
	TOTAL				10857.13	Z
	Add Cess @ 1% on “Z”				108.57	
	Cost for 10 sqm				10965.70	
	Cost for 1 sqm				1096.57	
	Say				1096.55	

11.37A **Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of Cost for 10 Sqm					
	Material					
7801	Glazed Ceramic Floor Tile = 10 Sqm+ Add for wastage and breakage @2.5% = 0.25 Sqm =10.25 Sqm	sqm	10.250	200.00	2050.00	
9999	Carriage of Tiles	L.S.	62.400	2.27	141.65	
3.8	Cement mortar 1:3 (1 Cement: 3 Coarse Sand)	cum	0.140	4881.95	683.47	
9999	Mortar for pointing in white cement	L.S.	36.400	2.27	82.63	
0367	Cement for slurry over bed @3.3 Kg/Sqm	tonne	0.033	5156.00	170.15	
	Labour					
0123	Mason 1st Class	day	2.500	897.00	2242.50	
0115	Coolie	day	2.500	736.00	1840.00	
9999	Sundries includding carriage of Cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				7821.26	W
	Add 1 % Water charges on “W”				78.21	
	TOTAL				7899.47	X
	Add GST on “X” (multiplying factor 0.2127)				1680.22	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				9579.69	Y
	Add 15% CPOH on "Y"				1436.95	
	TOTAL				11016.64	Z
	Add Cess @ 1% on "Z"				110.17	
	Cost of 10 sqm				11126.81	
	Cost of 1 sqm				1112.68	
	Say				1112.70	

11.38 Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Glazed Ceramic floor tiles 300x300 mm size = 10 sqm					
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
7802	Ceramic Glazed Tiles Ist quality 300 x 300 in all shades designs except White, Ivory, Grey, Fuem Red Brown etc.	sq.m.	10.250	350.00	3587.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	202.000	2.27	458.54	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				9245.51	W
	Add 1 % Water charges on "W"				92.46	
	TOTAL				9337.97	X
	Add GST on "X" (multiplying factor 0.2127)				1986.19	
	TOTAL				11324.16	Y
	Add 15% CPOH on "Y"				1698.62	
	TOTAL				13022.78	Z
	Add Cess @ 1% on "Z"				130.23	
	Cost for 10 sqm				13153.01	
	Cost for 1 sqm				1315.3	
	Say				1315.30	

11.39 Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Rectified Ceramic Glazed floor tiles 300x300 mm size = 10 sqm					
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
7803	Rectified Ceramic Glazed Tiles Ist quality 300x300mm or more in all shades designs White, Ivory, Grey, Fuem Red Brown etc.	sq.m.	10.250	375.00	3843.75	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	134.700	2.27	305.77	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				9348.99	W
	Add 1 % Water charges on “W”				93.49	
	TOTAL				9442.48	X
	Add GST on “X” (multiplying factor 0.2127)				2008.42	
	TOTAL				11450.90	Y
	Add 15% CPOH on “Y”				1717.64	
	TOTAL				13168.54	Z
	Add Cess @ 1% on “Z”				131.69	
	Cost for 10 sqm				13300.23	
	Cost for 1 sqm				1330.02	
	Say				1330.00	

11.40 Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Rectified Ceramic Glazed floor tiles 300x300 mm size or more = 10 sqm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
7804	Rectified Ceramic Glazed Tiles Ist quality 300x300mm or more in all shades designs except White, Ivory, Grey, Fuem Red Brown etc.	sq.m.	10.250	450.00	4612.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	134.700	2.27	305.77	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				10117.74	W
	Add 1 % Water charges on “W”				101.18	
	TOTAL				10218.92	X
	Add GST on “X” (multiplying factor 0.2127)				2173.56	
	TOTAL				12392.48	Y
	Add 15% CPOH on “Y”				1858.87	
	TOTAL				14251.35	Z
	Add Cess @ 1% on “Z”				142.51	
	Cost for 10 sqm				14393.86	
	Cost for 1 sqm				1439.39	
	Say				1439.40	

11.41 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.

11.41.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Vitrified floor tiles 50x50 cm size = 10 sqm					
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
8620	Vitrified floor tile 50x50 cm	sqm	10.250	530.00	5432.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	36.400	2.27	82.63	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				10714.60	W
	Add 1 % Water charges on “W”				107.15	
	TOTAL				10821.75	X
	Add GST on “X” (multiplying factor 0.2127)				2301.79	
	TOTAL				13123.54	Y
	Add 15% CPOH on “Y”				1968.53	
	TOTAL				15092.07	Z
	Add Cess @ 1% on “Z”				150.92	
	Cost for 10 sqm				15242.99	
	Cost for 1 sqm				1524.30	
	Say				1524.30	

11.41.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Vitrified floor tiles 60x60 cm size = 10 sqm					
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
8621	Vitrified floor tile 60x60 cm	sqm	10.250	550.00	5637.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	36.400	2.27	82.63	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				10919.60	W
	Add 1 % Water charges on “W”				109.20	
	TOTAL				11028.80	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				2345.83	
	TOTAL				13374.63	Y
	Add 15% CPOH on “Y”				2006.19	
	TOTAL				15380.82	Z
	Add Cess @ 1% on “Z”				153.81	
	Cost for 10 sqm				15534.63	
	Cost for 1 sqm				1553.46	
	Say				1553.45	

11.41.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Vitrified floor tiles 80x80 cm size = 10sqm					
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
8622	Vitrified floor tile 80x80 cm	sqm	10.250	780.00	7995.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				13253.49	W
	Add 1 % Water charges on “W”				132.53	
	TOTAL				13386.02	X
	Add GST on “X” (multiplying factor 0.2127)				2847.21	
	TOTAL				16233.23	Y
	Add 15% CPOH on “Y”				2434.98	
	TOTAL				18668.21	Z
	Add Cess @ 1% on “Z”				186.68	
	Cost for 10 sqm				18854.89	
	Cost for 1 sqm				1885.49	
	Say				1885.50	

11.41.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Vitrified floor tiles 80x80 cm size = 10sqm					
	Add for wastage & breakage @ 2.5 % = 0.25 sqm					
	Total = 10.25 sqm					
8623	Vitrified floor tile 100x100 cm	sqm	10.250	920.00	9430.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries including carriage of cement etc	L.S.	269.100	2.27	610.86	
	TOTAL				14688.49	W
	Add 1 % Water charges on “W”				146.88	
	TOTAL				14835.37	X
	Add GST on “X” (multiplying factor 0.2127)				3155.48	
	TOTAL				17990.85	Y
	Add 15% CPOH on “Y”				2698.63	
	TOTAL				20689.48	Z
	Add Cess @ 1% on “Z”				206.89	
	Cost for 10 sqm				20896.37	
	Cost for 1 sqm				2089.64	
	Say				2089.65	

11.41A Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.

11.41A.1 Double charge vitrified tile polished finish of size

11.41A.1.1 Size of Tile 600 x 600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Double Charged vitrified floor tiles 60 x 60 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2752	Double charge vitrified tile polished finish of size 60 x 60 cm	sqm	10.250	476.00	4879.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	36.400	2.27	82.63	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				10217.85	W
	Add 1% Water charges on “W”				102.18	
	TOTAL				10320.03	X
	Add GST on “X” (multiplying factor 0.2127)				2195.07	
	TOTAL				12515.10	Y
	Add 15% CPOH on “Y”				1877.27	
	TOTAL				14392.37	Z
	Add Cess @ 1% on “Z”				143.92	
	Cost of 10 sqm				14536.29	
	Cost of 1sqm				1453.63	
	Say				1453.65	

11.41A.1.2 Size of Tile 800 x 800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Double Charged vitrified floor tiles 80 x 80 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2753	Double charge vitrified tile polished finish of size 80 x 80 cm	sqm	10.250	534.00	5473.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				10788.74	W
	Add 1% Water charges on “W”				107.89	
	TOTAL				10896.63	X
	Add GST on “X” (multiplying factor 0.2127)				2317.71	
	TOTAL				13214.34	Y
	Add 15% CPOH on “Y”				1982.15	
	TOTAL				15196.49	Z
	Add Cess @ 1% on “Z”				151.96	
	Cost of 10sqm				15348.45	
	Cost of 1sqm				1534.85	
	Say				1534.85	

11.41A.1.3 Size of Tile 600 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Double Charged vitrified floor tiles 60 x 120 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2754	Double charge vitrified tile polished finish of size 60 x 120 cm	sqm	10.250	563.00	5770.75	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				11085.99	W
	Add 1% Water charges on “W”				110.86	
	TOTAL				11196.85	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				2381.57	
	TOTAL				13578.42	Y
	Add 15% CPOH on "Y"				2036.76	
	TOTAL				15615.18	Z
	Add Cess @ 1% on "Z"				156.15	
	Cost of 10sqm				15771.33	
	Cost of 1sqm				1577.13	
	Say				1577.15	

11.41A.1.4 Size of Tile 800 x 1600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Double Charged vitrified floor tiles 80 x 160 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2755	Double charge vitrified tile polished finish of size 80 x 160 cm	sqm	10.250	764	7831.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				13146.24	W
	Add 1% Water charges on "W"				131.46	
	TOTAL				13277.70	X
	Add GST on "X" (multiplying factor 0.2127)				2824.17	
	TOTAL				16101.87	Y
	Add 15% CPOH on "Y"				2415.28	
	TOTAL				18517.15	Z
	Add Cess @ 1% on "Z"				185.17	
	Cost of 10sqm				18702.32	
	Cost of 1sqm				1870.23	
	Say				1870.25	

11.41A.1.5 Size of Tile 1000 x 1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Double Charged vitrified floor tiles 100 x 100 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2756	Double charge vitrified tile polished finish of size 100 x 100 cm	sqm	10.250	717.00	7349.25	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				12664.49	W
	Add 1% Water charges on “W”				126.64	
	TOTAL				12791.13	X
	Add GST on “X” (multiplying factor 0.2127)				2720.67	
	TOTAL				15511.80	Y
	Add 15% CPOH on “Y”				2326.77	
	TOTAL				17838.57	Z
	Add Cess @ 1% on “Z”				178.39	
	Cost of 10 sqm				18016.96	
	Cost of 1sqm				1801.70	
	Say				1801.70	

11.41A.2 Glazed vitrified floor tiles polished finish of size

11.41A.2.1 Size of Tile 600 x 600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed vitrified floor tiles 60 x 60 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2757	Glazed vitrified tiles polished finish of size 60 x 60 cm	sqm	10.250	512.00	5248.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				10563.24	W
	Add 1% Water charges on “W”				105.63	
	TOTAL				10668.87	X
	Add GST on “X” (multiplying factor 0.2127)				2269.27	
	TOTAL				12938.14	Y
	Add 15% CPOH on “Y”				1940.72	
	TOTAL				14878.86	Z
	Add Cess @ 1% on “Z”				148.79	
	Cost of 10 sqm				15027.65	
	Cost of 1sqm				1502.77	
	Say				1502.75	

11.41A.2.2 Size of Tile 600 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed vitrified floor tiles 60 x 120 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2758	Glazed vitrified tiles polished finish of size 60 x 120 cm	sqm	10.250	715	7328.75	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				12643.99	W
	Add 1% Water charges on “W”				126.44	
	TOTAL				12770.43	X
	Add GST on “X” (multiplying factor 0.2127)				2716.27	
	TOTAL				15486.70	Y
	Add 15% CPOH on “Y”				2323.01	
	TOTAL				17809.71	Z
	Add Cess @ 1% on “Z”				178.10	
	Cost of 10 sqm				17987.81	
	Cost of 1sqm				1798.78	
	Say				1798.80	

11.41A.2.3 Size of Tile 800 x 800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed vitrified floor tiles 80 x 80 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2759	Glazed vitrified tiles polished finish of size 80 x 80 cm	sqm	10.250	667	6836.75	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				12151.99	W
	Add 1% Water charges on “W”				121.52	
	TOTAL				12273.51	X
	Add GST on “X” (multiplying factor 0.2127)				2610.58	
	TOTAL				14884.09	Y
	Add 15% CPOH on “Y”				2232.61	
	TOTAL				17116.70	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				171.17	
	Cost of 10sqm				17287.87	
	Cost of 1sqm				1728.79	
	Say				1728.80	

11.41A.2.4 Size of Tile 800 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed vitrified floor tiles 80 x 120 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2760	Glazed vitrified tiles polished finish of size 80 x 120 cm	sqm	10.250	892	9143.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				14458.24	W
	Add 1% Water charges on “W”				144.58	
	TOTAL				14602.82	X
	Add GST on “X” (multiplying factor 0.2127)				3106.02	
	TOTAL				17708.84	Y
	Add 15% CPOH on “Y”				2656.33	
	TOTAL				20365.17	Z
	Add Cess @ 1% on “Z”				203.65	
	Cost of 10 sqm				20568.82	
	Cost of 1sqm				2056.88	
	Say				2056.90	

11.41A.2.5 Size of Tile 1200 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed vitrified floor tiles 120 x 120 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2761	Glazed vitrified tiles polished finish of size 120 x 120 cm	sqm	10.250	1224	12546.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				17861.24	W
	Add 1% Water charges on “W”				178.61	
	TOTAL				18039.85	X
	Add GST on “X” (multiplying factor 0.2127)				3837.08	
	TOTAL				21876.93	Y
	Add 15% CPOH on “Y”				3281.54	
	TOTAL				25158.47	Z
	Add Cess @ 1% on “Z”				251.58	
	Cost of 10 sqm				25410.05	
	Cost of 1sqm				2541.01	
	Say				2541.00	

11.41A.3 Glazed Vitrified tiles Matt/Antiskid finish of size

11.41A.3.1 Size of Tile 600 x 600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed Vitrified tiles Matt/Antiskid finish 60 x 60 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2762	Glazed Vitrified tiles Matt/Antiskid finish of size 60 x 60 cm	sqm	10.250	486	4981.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				10296.74	W
	Add 1% Water charges on “W”				102.97	
	TOTAL				10399.71	X
	Add GST on “X” (multiplying factor 0.2127)				2212.02	
	TOTAL				12611.73	Y
	Add 15% CPOH on “Y”				1891.76	
	TOTAL				14503.49	Z
	Add Cess @ 1% on “Z”				145.03	
	Cost of 10 sqm				14648.52	
	Cost of 1sqm				1464.85	
	Say				1464.85	

11.41A.3.2 Size of Tile 600 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed Vitrified tiles Matt/Antiskid finish 60 x 120 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2763	Glazed Vitrified tiles Matt/Antiskid finish of size 60 x 120 cm	sqm	10.250	714	7318.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				12633.74	W
	Add 1% Water charges on “W”				126.34	
	TOTAL				12760.08	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				2714.07	
	TOTAL				15474.15	Y
	Add 15% CPOH on "Y"				2321.12	
	TOTAL				17795.27	Z
	Add Cess @ 1% on "Z"				177.95	
	Cost of 10 sqm				17973.22	
	Cost of 1sqm				1797.32	
	Say				1797.30	

11.41A.3.3 Size of Tile 800 x 800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed Vitrified tiles Matt/Antiskid finish 80 x 80 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2764	Glazed Vitrified tiles Matt/Antiskid finish of size 80 x 80 cm	sqm	10.250	664	6806.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				12121.24	W
	Add 1% Water charges on "W"				121.21	
	TOTAL				12242.45	X
	Add GST on "X" (multiplying factor 0.2127)				2603.97	
	TOTAL				14846.42	Y
	Add 15% CPOH on "Y"				2226.96	
	TOTAL				17073.38	Z
	Add Cess @ 1% on "Z"				170.73	
	Cost of 10 sqm				17244.11	
	Cost of 1sqm				1724.41	
	Say				1724.40	

11.41A.3.4 Size of Tile 800 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed Vitrified tiles Matt/Antiskid finish 80 x 120 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2765	Glazed Vitrified tiles Matt/Antiskid finish of size 80 x 120 cm	sqm	10.250	892	9143.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				14458.24	W
	Add 1% Water charges on “W”				144.58	
	TOTAL				14602.82	X
	Add GST on “X” (multiplying factor 0.2127)				3106.02	
	TOTAL				17708.84	Y
	Add 15% CPOH on “Y”				2656.33	
	TOTAL				20365.17	Z
	Add Cess @ 1% on “Z”				203.65	
	Cost of 10 sqm				20568.82	
	Cost of 1sqm				2056.88	
	Say				2056.90	

11.41A.3.5 Size of Tile 1200 x 1200 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Glazed Vitrified tiles Matt/Antiskid finish 60 x 60 cm size =10 sqm+ Add wastage & breakage @2.5% =0.25 sqm. Total = 10.25 sqm					
2766	Glazed Vitrified tiles Matt/Antiskid finish of size 120 x 120 cm	sqm	10.250	1428	14637.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.9	Rate as per Item Number 3.9 of SH: Mortars	Cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	26.000	2.27	59.02	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland cement	tonne	0.033	5156.00	170.15	
9999	For notch trowel,plier, wedge, clips of required thickness, leveling system and rubber mallet etc.	L.S.	25.000	2.27	56.75	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				19952.24	W
	Add 1% Water charges on “W”				199.52	
	TOTAL				20151.76	X
	Add GST on “X” (multiplying factor 0.2127)				4286.28	
	TOTAL				24438.04	Y
	Add 15% CPOH on “Y”				3665.71	
	TOTAL				28103.75	Z
	Add Cess @ 1% on “Z”				281.04	
	Cost of 10 sqm				28384.79	
	Cost of 1sqm				2838.48	
	Say				2838.50	

11.42 Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.240	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	404.300	2.27	917.76	
	Cement for slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.000	897.00	1794.00	
0115	Coolie	day	2.000	736.00	1472.00	
9988	Sundries i/c carriage of cement etc.	L.S.	269.100	2.27	610.86	
	TOTAL				5975.58	W
	Add 1 % Water charges on “W”				59.76	
	TOTAL				6035.34	X
	Add GST on “X” (multiplying factor 0.2127)				1283.72	
	TOTAL				7319.06	Y
	Add 15% CPOH on “Y”				1097.86	
	TOTAL				8416.92	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				84.17	
	Cost of 10 sqm				8501.09	
	Cost for 1 sqm				850.11	
	Say				850.10	

11.43 Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
8731	High polymer modified quickset tile adhesive.	per kg	5.00	10.00	50.00	
9999	Mortar for pointing in white cement	L.S.	40.43	2.27	91.78	
	LABOUR					
0123	Mason 1st class	day	0.20	897.00	179.40	
0115	Coolie	day	0.20	736.00	147.20	
9988	Sundries i/c carriage of cement etc.	L.S.	26.91	2.27	61.09	
	TOTAL				529.47	W
	Add 1 % Water charges on “W”				5.29	
	TOTAL				534.76	X
	Add GST on “X” (multiplying factor 0.2127)				113.74	
	TOTAL				648.50	Y
	Add 15% CPOH on “Y”				97.28	
	TOTAL				745.78	Z
	Add Cess @ 1% on “Z”				7.46	
	Cost for 1 sqm				753.24	
	Say				753.25	

11.44 Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	Under layer 12 mm thick Cement mortar 1:4 (1 cement : 4 coarse sand).					
3.9	Rate as per Item No.3.9 of SH:Mortar	cum	0.14	4211.70	589.64	
	LABOUR					
0124	Mason 2nd class	day	0.67	816.00	546.72	
0114	Beldar	day	0.75	736.00	552.00	
0101	Bhisti	day	0.92	816.00	750.72	
9999	Sundries	L.S.	8.97	2.27	20.36	
	Cement slurry for subgrade					
0367	Portland Cement	tonne	0.04	5156.00	206.24	
2209	Carriage of Cement	tonne	0.04	0.00	0.00	
	Labour for applying cement slurry					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0114	Beldar	day	0.50	736.00	368.00	
	Top layer with tile piece and gap filling with cement motar:					
	Ceramic tile piece for crazy flooring assuming 70% tile area and 30% of joint filler/mixture. (7.00x0.010)=0.07					
	0.872x0.07/0.051=1.20 qtl					
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	1.20	148.00	177.60	
9977	Carriage of tiles	L.S.	62.40	2.27	141.65	
	Cement motar 1:4 for filling of crazy tile :(300x0.01=0.03)					
3.9	Rate as per Item No.3.9 of SH:Mortar	cum	0.03	4211.70	126.35	
	Synthetic polyster triangular					
4.18	Rate as per Item No.4.18 of SH: CONCRETE WORK	per bag of 50kg of cement	1.38	70.35	97.08	A
	Water proofing compound					
4.12	Rate as per Item No.4.12 of SH:CONCRETE WORK	per bag of 50kg of cement	1.38	18.15	25.05	A
0123	Mason 1st class	day	1.20	897.00	1076.40	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0101	Bhisti	day	0.54	816.00	440.64	
9999	Sundries	L.S.	67.25	2.27	152.66	
	TOTAL				6743.11	W
	Add 1 % Water charges on “W-A”				66.21	
	TOTAL				6809.32	X
	Add GST on “X-A” (multiplying factor 0.2127)				1422.37	
	TOTAL				8231.69	Y
	Add 15% CPOH on “Y-A”				1216.43	
	TOTAL				9448.12	Z
	Add Cess @ 1% on “Z-A”				93.26	
	Cost of 10 sqm.				9541.38	
	Cost of 1 sqm.				954.14	
	Say				954.15	

11.45 Providing and laying 500x500x40 mm thick Turf paver (Turfpave XD) on 150 mm thick sub grade of compacted bed of 20 mm thick nominal size stone aggregate and base course and filling with 150 mm thick jamuna sand, including spreading, well ramming, consolidating and finishing smooth etc. all complete as per direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1.50	1425.00	2137.50	
	1 x 10 x 0.15 = 1.5cum					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2202	Stone aggregate below 40 mm nominal size	cum	1.50	0.00	0.00	
	LABOUR					
	for spreading ramming and consolidation of sub grade					
0114	Beldar	day	0.70	736.00	515.20	
0115	Coolie	day	0.52	736.00	382.72	
0101	Bhisti	day	0.36	816.00	293.76	
	Providing and filling Jamuna sand					
2.27	Rate as per Item No.2.27 of SH: EARTH WORK	cum	1.50	2123.75	3185.63	A
2708	Truf Paver (500 x 500 x 40 mm)	sqm	10.00	514.00	5140.00	
	Labour for laying of Turf pave					
0123	Mason 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	1.00	736.00	736.00	
9999	Sundries	L.S.	50.00	2.27	113.50	
	TOTAL				12952.81	W
	Add 1 % Water charges on “W-A”				97.67	
	TOTAL				13050.48	X
	Add GST on “X-A” (multiplying factor 0.2127)				2098.25	
	TOTAL				15148.73	Y
	Add 15% CPOH on “Y-A”				1794.47	
	TOTAL				16943.20	Z
	Add Cess @ 1% on “Z-A”				137.58	
	Cost of 10 sqm.				17080.78	
	Cost of 1 sqm.				1708.08	
	Say				1708.10	

11.46 Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.

11.46.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Vitrified floor tiles 50 x 50 cm size = 10 sqm+					
	Add wastage & breakage @ 2.5% = 0.25 sqm					
	Total = 10.25 sqm					
8620	Vitrified floor tile 50x50 cm	sqm	10.250	530.00	5432.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.140	4881.95	683.47	
9999	Mortar for pointing in white cement	L.S.	36.400	2.27	82.63	
	Cement slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	LABOUR					
0123	Mason 1st class	day	2.500	897.00	2242.50	
0115	Coolie	day	2.500	736.00	1840.00	
9988	Sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				11203.76	W
	Add 1 % Water charges on “W”				112.04	
	TOTAL				11315.80	X
	Add GST on “X” (multiplying factor 0.2127)				2406.87	
	TOTAL				13722.67	Y
	Add 15% CPOH on “Y”				2058.40	
	TOTAL				15781.07	Z
	Add Cess @ 1% on “Z”				157.81	
	Cost of 10 sqm				15938.88	
	Cost for 1 sqm				1593.89	
	Say				1593.90	

11.46.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Vitrified floor tiles 60 x 60 cm size = 10 sqm+					
	Add wastage & breakage @ 2.5% = 0.25 sqm					
	Total = 10.25 sqm					
8621	Vitrified floor tile 60x60 cm	sqm	10.250	550.00	5637.50	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.140	4881.95	683.47	
9999	Mortar for pointing in white cement	L.S.	36.400	2.27	82.63	
	Cement slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.500	897.00	2242.50	
0115	Coolie	day	2.500	736.00	1840.00	
9988	Sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				11408.76	W
	Add 1 % Water charges on “W”				114.09	
	TOTAL				11522.85	X
	Add GST on “X” (multiplying factor 0.2127)				2450.91	
	TOTAL				13973.76	Y
	Add 15% CPOH on “Y”				2096.06	
	TOTAL				16069.82	Z
	Add Cess @ 1% on “Z”				160.70	
	Cost of 10 sqm				16230.52	
	Cost for 1 sqm				1623.05	
	Say				1623.05	

11.46.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Vitrified floor tiles 80 x 80 cm size = 10 sqm+					
	Add wastage & breakage @ 2.5% = 0.25 sqm					
	Total = 10.25 sqm					
8622	Vitrified floor tile 80x80 cm	sqm	10.250	780.00	7995.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.140	4881.95	683.47	
9999	Mortar for pointing in white cement	L.S.	36.400	2.27	82.63	
	Cement slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.500	897.00	2242.50	
0115	Coolie	day	2.500	736.00	1840.00	
9988	Sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				13766.26	W
	Add 1 % Water charges on “W”				137.66	
	TOTAL				13903.92	X
	Add GST on “X” (multiplying factor 0.2127)				2957.36	
	TOTAL				16861.28	Y
	Add 15% CPOH on “Y”				2529.19	
	TOTAL				19390.47	Z
	Add Cess @ 1% on “Z”				193.90	
	Cost of 10 sqm				19584.37	
	Cost for 1 sqm				1958.44	
	Say				1958.45	

11.46.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Vitrified floor tiles 100 x 100 cm size = 10 sqm+					
	Add wastage & breakage @ 2.5% = 0.25 sqm					
	Total = 10.25 sqm					
8623	Vitrified floor tile 100x100 cm	sqm	10.250	920.00	9430.00	
9977	Carriage of tiles	L.S.	62.400	2.27	141.65	
	12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.8	Rate as per Item No.3.8 of SH:MORTARS	cum	0.140	4881.95	683.47	
9999	Mortar for pointing in white cement	L.S.	36.400	2.27	82.63	
	Cement slurry over bed @ 3.3 kg per sqm					
0367	Portland Cement	tonne	0.033	5156.00	170.15	
	LABOUR					
0123	Mason 1st class	day	2.500	897.00	2242.50	
0115	Coolie	day	2.500	736.00	1840.00	
9988	Sundries including carriage of quick set polymer etc.	L.S.	269.100	2.27	610.86	
	TOTAL				15201.26	W
	Add 1 % Water charges on “W”				152.01	
	TOTAL				15353.27	X
	Add GST on “X” (multiplying factor 0.2127)				3265.64	
	TOTAL				18618.91	Y
	Add 15% CPOH on “Y”				2792.84	
	TOTAL				21411.75	Z
	Add Cess @ 1% on “Z”				214.12	
	Cost of 10 sqm				21625.87	
	Cost for 1 sqm				2162.59	
	Say				2162.60	

11.46A Providing and fixing glazed screen printed border tile 75mm wide having thickness 5mm, of approved quality & make, in all shades, design and prints, in dado, over 12mm thick bed of cement mortar 1:3 (1 Cement : 3 Coarse sand) and jointing with grey cement slurry @ 3.3 kg/sqm including pointing with white cement mixed with pigment of matching shade, all complete as approved by Engineer - in - Charge

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details for 10 sqm (i.e. 10.00/0.075=133.33m length)					
	Material					
8624	Border tiles 200x75mm size 5mm thick	each	683.000	20.00	13660.00	
	Tile required=10.00/(0.20x0.075)=666.67 tile.					
	Add 2.5% wastage = 16.67 tile					
	Total= 683.34 say 683 tiles					
9999	Carriage	L.S.	62.400	2.27	141.65	
3.8	Cement mortar 1:3 for 12mm base	cum	0.140	4881.95	683.47	
9999	Mortar for pointing in white cement	L.S.	404.300	2.27	917.76	
0367	Cement for slurry over bed @ 3.3kg/sqm	tonne	0.033	5156.00	170.15	
	Labour					
0123	Mason 1st class	each	2.500	897.00	2242.50	
0115	Coolie	each	2.500	736.00	1840.00	
9999	Sundries 10x(26.91-0.16)=267.5	L.S.	267.500	2.27	607.23	
	TOTAL				20262.76	W
	Add 1 % Water charges on “W”				202.63	
	TOTAL				20465.39	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on "X" (multiplying factor 0.2127)				4352.99	
	TOTAL				24818.38	Y
	Add 15% CPOH on "Y"				3722.76	
	TOTAL				28541.14	Z
	Add Cess @ 1% on "Z"				285.41	
	Details of cost for 133.33 metre				28826.55	
	Cost per metre				216.20	
	Say				216.20	

11.47 Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).

11.47.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
	Vitrified floor tiles 50 x 50 cm size = 1.00 sqm+					
	Add wastage & breakage @ 2.5% = 0.025 sqm					
	Total = 1.025 sqm					
8620	Vitrified floor tile 50x50 cm	sqm	1.025	530.00	543.25	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
8731	High polymer modified quickset tile adhesive.	per kg	10.00	10.00	100.00	
	LABOUR					
0123	Mason 1st class	day	0.25	897.00	224.25	
0115	Coolie	day	0.50	736.00	368.00	
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1310.75	W
	Add 1 % Water charges on "W"				13.11	
	TOTAL				1323.86	X
	Add GST on "X" (multiplying factor 0.2127)				281.59	
	TOTAL				1605.45	Y
	Add 15% CPOH on "Y"				240.82	
	TOTAL				1846.27	Z
	Add Cess @ 1% on "Z"				18.46	
	Cost for 1 sqm				1864.73	
	Say				1864.75	

11.47.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
	Vitrified floor tiles 60 x 60 cm size = 1.00 sqm+					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm					
8621	Vitrified floor tile 60x60 cm	sqm	1.025	550.00	563.75	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
8731	High polymer modified quickset tile adhesive.	per kg	10.00	10.00	100.00	
	LABOUR					
0123	Mason 1st class	day	0.25	897.00	224.25	
0115	Coolie	day	0.50	736.00	368.00	
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1331.25	W
	Add 1 % Water charges on “W”				13.31	
	TOTAL				1344.56	X
	Add GST on “X” (multiplying factor 0.2127)				285.99	
	TOTAL				1630.55	Y
	Add 15% CPOH on “Y”				244.58	
	TOTAL				1875.13	Z
	Add Cess @ 1% on “Z”				18.75	
	Cost for 1 sqm				1893.88	
	Say				1893.90	

11.47.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 80 x 80 cm size = 1.00 sqm+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm					
8622	Vitrified floor tile 80x80 cm	sqm	1.025	780.00	799.50	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
8731	High polymer modified quickset tile adhesive.	per kg	10.00	10.00	100.00	
	LABOUR					
0123	Mason 1st class	day	0.25	897.00	224.25	
0115	Coolie	day	0.50	736.00	368.00	
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1567.00	W
	Add 1 % Water charges on “W”				15.67	
	TOTAL				1582.67	X
	Add GST on “X” (multiplying factor 0.2127)				336.63	
	TOTAL				1919.30	Y
	Add 15% CPOH on “Y”				287.90	
	TOTAL				2207.20	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on "Z"				22.07	
	Cost for 1 sqm				2229.27	
	Say				2229.25	

11.47.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
	Vitrified floor tiles 100 x 100 cm size = 1.00 sqm+					
	Add wastage & breakage @ 2.5% = 0.025 sqm					
	Total = 1.025 sqm					
8623	Vitrified floor tile 100x100 cm	sqm	1.025	920.00	943.00	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
8731	High polymer modified quickset tile adhesive.	per kg	10.00	10.00	100.00	
	LABOUR					
0123	Mason 1st class	day	0.25	897.00	224.25	
0115	Coolie	day	0.50	736.00	368.00	
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1710.50	W
	Add 1 % Water charges on "W"				17.11	
	TOTAL				1727.61	X
	Add GST on "X" (multiplying factor 0.2127)				367.46	
	TOTAL				2095.07	Y
	Add 15% CPOH on "Y"				314.26	
	TOTAL				2409.33	Z
	Add Cess @ 1% on "Z"				24.09	
	Cost for 1 sqm				2433.42	
	Say				2433.40	

11.48 Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.

11.48.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
8682	Epoxy Grout	Kg	0.21	418.00	87.78	
	LABOUR					
0123	Mason 1st class	day	0.10	897.00	89.70	
0115	Coolie	day	0.10	736.00	73.60	
9988	Sundries including carriage	L.S.	5.00	2.27	11.35	
	TOTAL				262.43	W
	Add 1 % Water charges on "W"				2.62	
	TOTAL				265.05	X
	Add GST on "X" (multiplying factor 0.2127)				56.38	
	TOTAL				321.43	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on “Y”				48.21	
	TOTAL				369.64	Z
	Add Cess @ 1% on “Z”				3.70	
	Cost for 1 sqm				373.34	
	Say				373.35	

11.48.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
8682	Epoxy Grout	Kg	0.18	418.00	75.24	
	LABOUR					
0123	Mason 1st class	day	0.08	897.00	71.76	
0115	Coolie	day	0.08	736.00	58.88	
9988	Sundries including carriage	L.S.	5.00	2.27	11.35	
	TOTAL				217.23	W
	Add 1 % Water charges on “W”				2.17	
	TOTAL				219.40	X
	Add GST on “X” (multiplying factor 0.2127)				46.67	
	TOTAL				266.07	Y
	Add 15% CPOH on “Y”				39.91	
	TOTAL				305.98	Z
	Add Cess @ 1% on “Z”				3.06	
	Cost for 1 sqm				309.04	
	Say				309.05	

11.48.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
8682	Epoxy Grout	Kg	0.15	418.00	62.70	
	LABOUR					
0123	Mason 1st class	day	0.06	897.00	53.82	
0115	Coolie	day	0.06	736.00	44.16	
9988	Sundries including carriage	L.S.	5.00	2.27	11.35	
	TOTAL				172.03	W
	Add 1 % Water charges on “W”				1.72	
	TOTAL				173.75	X
	Add GST on “X” (multiplying factor 0.2127)				36.96	
	TOTAL				210.71	Y
	Add 15% CPOH on “Y”				31.61	
	TOTAL				242.32	Z
	Add Cess @ 1% on “Z”				2.42	
	Cost for 1 sqm				244.74	
	Say				244.75	

11.48.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
8682	Epoxy Grout	Kg	0.11	418.00	45.98	
	LABOUR					
0123	Mason 1st class	day	0.04	897.00	35.88	
0115	Coolie	day	0.04	736.00	29.44	
9988	Sundries including carriage	L.S.	5.00	2.27	11.35	
	TOTAL				122.65	W
	Add 1 % Water charges on “W”				1.23	
	TOTAL				123.88	X
	Add GST on “X” (multiplying factor 0.2127)				26.35	
	TOTAL				150.23	Y
	Add 15% CPOH on “Y”				22.53	
	TOTAL				172.76	Z
	Add Cess @ 1% on “Z”				1.73	
	Cost for 1 sqm				174.49	
	Say				174.50	

11.49 Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).

11.49.1 Size of Tile 500x500 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
	Vitrified floor tiles 50 x 50 cm size = 1.00 sqm+					
	Add wastage & breakage @ 2.5% = 0.025 sqm					
	Total = 1.025 sqm					
8620	Vitrified floor tile 50x50 cm	sqm	1.025	530.00	543.25	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
8731	High polymer modified quickset tile adhesive.	per kg	10.00	10.00	100.00	
	LABOUR					
0123	Mason 1st class	day	0.20	897.00	179.40	
0115	Coolie	day	0.40	736.00	294.40	
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1192.30	W
	Add 1 % Water charges on “W”				11.92	
	TOTAL				1204.22	X
	Add GST on “X” (multiplying factor 0.2127)				256.14	
	TOTAL				1460.36	Y
	Add 15% CPOH on “Y”				219.05	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1679.41	Z
	Add Cess @ 1% on “Z”				16.79	
	Cost for 1 sqm				1696.20	
	Say				1696.20	

11.49.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
	Vitrified floor tiles 60 x 60 cm size = 1.00 sqm+					
	Add wastage & breakage @ 2.5% = 0.025 sqm					
	Total = 1.025 sqm					
8621	Vitrified floor tile 60x60 cm	sqm	1.025	550.00	563.75	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
8731	High polymer modified quickset tile adhesive.	per kg	10.00	10.00	100.00	
	LABOUR					
0123	Mason 1st class	day	0.20	897.00	179.40	
0115	Coolie	day	0.40	736.00	294.40	
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1212.80	W
	Add 1 % Water charges on “W”				12.13	
	TOTAL				1224.93	X
	Add GST on “X” (multiplying factor 0.2127)				260.54	
	TOTAL				1485.47	Y
	Add 15% CPOH on “Y”				222.82	
	TOTAL				1708.29	Z
	Add Cess @ 1% on “Z”				17.08	
	Cost for 1 sqm				1725.37	
	Say				1725.35	

11.49.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
	Vitrified floor tiles 80 x 80 cm size = 1.00 sqm+					
	Add wastage & breakage @ 2.5% = 0.025 sqm					
	Total = 1.025 sqm					
8622	Vitrified floor tile 80x80 cm	sqm	1.025	780.00	799.50	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
8731	High polymer modified quickset tile adhesive.	per kg	10.00	10.00	100.00	
	LABOUR					
0123	Mason 1st class	day	0.20	897.00	179.40	
0115	Coolie	day	0.40	736.00	294.40	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1448.55	W
	Add 1 % Water charges on “W”				14.49	
	TOTAL				1463.04	X
	Add GST on “X” (multiplying factor 0.2127)				311.19	
	TOTAL				1774.23	Y
	Add 15% CPOH on “Y”				266.13	
	TOTAL				2040.36	Z
	Add Cess @ 1% on “Z”				20.40	
	Cost for 1 sqm				2060.76	
	Say				2060.75	

11.49.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
	Vitrified floor tiles 100 x 100 cm size = 1.00 sqm+					
	Add wastage & breakage @ 2.5% = 0.025 sqm					
	Total = 1.025 sqm					
8623	Vitrified floor tile 100x100 cm	sqm	1.025	920.00	943.00	
9977	Carriage of tiles	L.S.	6.24	2.27	14.16	
8731	High polymer modified quickset tile adhesive.	per kg	10.00	10.00	100.00	
	LABOUR					
0123	Mason 1st class	day	0.20	897.00	179.40	
0115	Coolie	day	0.40	736.00	294.40	
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	2.27	61.09	
	TOTAL				1592.05	W
	Add 1 % Water charges on “W”				15.92	
	TOTAL				1607.97	X
	Add GST on “X” (multiplying factor 0.2127)				342.02	
	TOTAL				1949.99	Y
	Add 15% CPOH on “Y”				292.50	
	TOTAL				2242.49	Z
	Add Cess @ 1% on “Z”				22.42	
	Cost for 1 sqm				2264.91	
	Say				2264.90	

11.49A **Providing and laying full body vitrified tile in floor of minimum thickness 15 mm with water absorption less than 0.06% and conforming to IS:15622, of approved make, brand and manufacturer, laid on 20 mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.30 kg / sqm including grouting the joints with white cement and matching pigments etc. The slab must be cut with the zero chipping diamond cutter only. Laying of slab will be done with the help of notch trowel, wedge, clips of required thickness, vacuum cups for lifting, leveling system and rubber mallet for placing the slab gently and easily. Size of tile 800x2400mm of all colours and shades.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm					
	MATERIAL					
	Full body vitrified floor tiles of size 800x 2400 mm					
	Add wastage & breakage @ 2.50% = 10.00+0.25 sqm = 10.25 sqm					
2767	Full body vitrified tile of size 800 x 2400 mm	sqm	10.25	2100.00	21525.00	
9977	Carriage of tile	L.S.	26.91	2.27	61.09	
3.9	20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item No. 3.9	Cum	0.24	4211.70	1010.81	
9999	Mortar for pointing in white cement	L.S.	2.60	2.27	5.90	
0367	Portland cement	tonne	0.03	5156.00	170.15	
9999	For notch trowel, wedge, clips of required thickness, vacuum cups for lift-ing,leveling system and rubber mallet etc.	L.S.	300.00	2.27	681.00	
	LABOUR					
0123	Mason 1st class	day	0.75	897.00	672.75	
0115	Beldar	day	1.00	736.00	736.00	
9999	Sundries	L.S.	269.10	2.27	610.86	
	TOTAL				25473.56	W
	Add 1% Water charges on “W”				254.74	
	TOTAL				25728.30	X
	Add GST on “X” (multiplying factor 0.2127)				5472.41	
	TOTAL				31200.71	Y
	Add 15% CPOH on “Y”				4680.11	
	TOTAL				35880.82	Z
	Add Cess @ 1% on “Z”				358.81	
	Cost of 10 sqm				36239.63	
	Cost of 1 sqm				3623.96	
	Say				3623.95	

11.50 Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
9999	Mortar for pointing in white cement with matching pigment	L.S.	3.12	2.27	7.08	
9999	LABOUR	L.S.	1.00	2.27	2.27	
	TOTAL				9.35	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on "W"				0.09	
	TOTAL				9.44	X
	Add GST on "X" (multiplying factor 0.2127)				2.01	
	TOTAL				11.45	Y
	Add 15% CPOH on "Y"				1.72	
	TOTAL				13.17	Z
	Add Cess @ 1% on "Z"				0.13	
	Cost for 1 sqm				13.30	
	Say				13.30	

11.51 Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.

11.51.1 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost per 10 sqm					
	MATERIAL					
	18 mm thick italian marble stone slab 10.00 sqm					
	Add for wastage 15%= 1.50 sqm					
	Total: 11.50 sqm					
1240	18 mm thick Italian Marble stone slab,					
	Base mortar1:4 (1 cement :4 coarse sand)	sqm	11.50	3200.00	36800.00	
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	4211.70	943.42	
	Cemnt for slurry@, 4.4 kg/sqm					
	(i) for bedding=44 kg+					
	(ii) for jointing= 6 kg					
	Total=50 kg					
0368	White Cement	tonne	0.05	10500.00	525.00	
2209	Carriage of white Cement	tonne	0.05	0.00	0.00	
9999	carriage of marble slab	L.S.	26.91	2.27	61.09	
	LABOUR :					
	(for finishing , polishing and fixing)					
0123	Mason 1st class	day	1.20	897.00	1076.40	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9999	Mortar for pointing in white cement	L.S.	25.74	2.27	58.43	
	TOTAL				46416.34	W
	Add 1 % Water charges on "W"				464.16	
	TOTAL				46880.50	X
	Add GST on "X" (multiplying factor 0.2127)				9971.48	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				56851.98	Y
	Add 15% CPOH on "Y"				8527.80	
	TOTAL				65379.78	Z
	Add Cess @ 1% on "Z"				653.80	
	Cost of 10 sqm.				66033.58	
	Cost of 1 sqm.				6603.36	
	Say				6603.35	

11.52 Providing and laying machine cut, mirror polished Marble stone flooring, in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm, including pointing with white cement slurry admixed with pigment to match the marble shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.

11.52.1 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost per 10 sqm					
	MATERIAL					
	18 mm thick italian marble stone slab 10.00 sqm					
	Add for wastage 20%= 2 sqm					
	Total: 12 sqm					
1240	18 mm thick Italian Marble stone slab, Base mortar1:4 (1 cement :4 coarse sand)	sqm	12.00	3200.00	38400.00	
3.9	Rate as per Item No.3.9 of SH: MORTARS					
	Cemnt for slurry@, 4.4 kg/sqm					
	(i) for bedding=44 kg+					
	(ii) for jointing= 6 kg					
	Total=50 kg	cum	0.224	4211.70	943.42	
0368	White Cement	tonne	0.05	10500.00	525.00	
2209	Carriage of white Cement	tonne	0.05	0.00	0.00	
9999	carriage of marble slab	L.S.	26.91	2.27	61.09	
	LABOUR :					
	(for finishing , polishing and fixing)					
0123	Mason 1st class	day	1.75	897.00	1569.75	
0114	Beldar	day	1.25	736.00	920.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00	
9999	Mortar for pointing in white cement	L.S.	25.74	2.27	58.43	
	TOTAL				48693.69	W
	Add 1 % Water charges on "W"				486.94	
	TOTAL				49180.63	X
	Add GST on "X" (multiplying factor 0.2127)				10460.72	
	TOTAL				59641.35	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on “Y”				8946.20	
	TOTAL				68587.55	Z
	Add Cess @ 1% on “Z”				685.88	
	Cost of 10 Sq.m.				69273.43	
	Cost of 1 Sq.m.				6927.34	
	Say				6927.35	

11.53 Providing and fixing Glass mossaic tiles on finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in customize design as per direction of Engineer-in- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge:

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost per 8 sqm					
	MATERIAL					
	Glass mossaic tiles (20 mm x 20 mm x 4mm)					
	Add for wastage 2.5%= 0.2 sqm					
	Total: 8.20 sqm					
1242	Glass mossaic tiles (20 mm x 20 mm x 4 mm)	sqm	8.20	2270.00	18614.00	
1243	Tile fixing chemical adhesive	kg	20.00	12.00	240.00	
1244	Cement Polymer Grout Compound	kg	10.00	16.00	160.00	
1245	Acid for cleaning tiles	litre	4.00	20.00	80.00	
9999	carriage of marble slab	L.S.	49.92	2.27	113.32	
	LABOUR :					
	(for finishing , polishing and fixing)					
0123	Mason 1st class	day	1.60	897.00	1435.20	
0115	Coolie	day	1.60	736.00	1177.60	
9999	Sundries including carriage of adhesive etc.	L.S.	26.91	2.27	61.09	
	TOTAL				21881.21	W
	Add 1 % Water charges on “W”				218.81	
	TOTAL				22100.02	X
	Add GST on “X” (multiplying factor 0.2127)				4700.67	
	TOTAL				26800.69	Y
	Add 15% CPOH on “Y”				4020.10	
	TOTAL				30820.79	Z
	Add Cess @ 1% on “Z”				308.21	
	Cost for 8.00 sqm				31129.00	
	Cost for 1.00 sqm				3891.13	
	Say				3891.15	

11.54 Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of:

(a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on to the G.I. Base plate of size 100mm x 100mm x 3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5 mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug.

(b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge.

(c) Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corroresist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip noncombustible Portland cementitious core mixed with lightweight foaming compound. The access floor shall be factory finished with Anti-static High Pressure laminate with Non Warp technology upto 1mm thickness for superior adhesion and Surface flatness within 0.75mm.The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product.

11.54.1 300 mm Finished Floor Height (FFH)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost for : 100.00 Sqm					
	MATERIALS :					
2711	FS800H Grade Flooring Panel (i/c) 5% wastage	each	292.00	748.00	218416.00	
2712	Zinc Electroplated Pedestals - 300 mm	each	360.00	147.00	52920.00	
2714	Zinc Electroplated Tube Stinger	each	570.00	74.00	42180.00	
2715	Machine Screw for Fixing	each	1140.00	4.00	4560.00	
7048	Rawl Plug fl0or pedestal grouting on floor	each	1440.00	24.00	34560.00	
9999	Carriage of material	L.S.	490.00	2.27	1112.30	
	LABOUR :					
0111	Carpenter 1st class	day	25.00	897.00	22425.00	
0114	Beldar	day	25.00	736.00	18400.00	
9999	Sundries	L.S.	329.00	2.27	746.83	
	TOTAL				395320.13	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				3953.20	
	TOTAL				399273.33	X
	Add GST on “X” (multiplying factor 0.2127)				84925.44	
	TOTAL				484198.77	Y
	Add 15% CPOH on “Y”				72629.82	
	TOTAL				556828.59	Z
	Add Cess @ 1% on “Z”				5568.29	
	Cost of 100 sqm.				562396.88	
	Cost of 1 sqm				5623.97	
	Say				5623.95	

11.54.2 450 mm Finished Floor Height (FFH).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of Cost for : 100.00 Sqm					
	MATERIALS :					
2711	FS800H Grade Flooring Panel	each	292.00	748.00	218416.00	
2713	Zinc Electroplated Pedestals - 450 mm	each	360.00	216.00	77760.00	
2714	Zinc Electroplated Tube Stinger	each	570.00	74.00	42180.00	
2715	Machine Screw for Fixing	each	1140.00	4.00	4560.00	
7048	Rawl plug 50 mm (designation 10 no.)	each	1440.00	24.00	34560.00	
9999	Carriage of material	L.S.	490.00	2.27	1112.30	
	LABOUR :					
0111	Carpenter 1st class	day	25.00	897.00	22425.00	
0114	Beldar	day	25.00	736.00	18400.00	
9999	Sundries	L.S.	329.00	2.27	746.83	
	TOTAL				420160.13	W
	Add 1 % Water charges on “W”				4201.60	
	TOTAL				424361.73	X
	Add GST on “X” (multiplying factor 0.2127)				90261.74	
	TOTAL				514623.47	Y
	Add 15% CPOH on “Y”				77193.52	
	TOTAL				591816.99	Z
	Add Cess @ 1% on “Z”				5918.17	
	Cost of 100 sqm.				597735.16	
	Cost of 1 sqm				5977.35	
	Say				5977.35	

11.55 Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :

11.55.1 Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
	18mm thick - Flamed finish granite slab = 10.00 sqm+Add for wastage 15% =1.50 sqm, Total 11.50 sqm					
1239	18 mm thick Flamed finish granite stone slab	sqm	11.50	1200.00	13800.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	0.00	0.00	
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	4211.70	943.42	
0367	Portland Cement	tonne	0.05	5156.00	257.80	
0874	Black colour dark shade pigment	kilogram	4.50	75.00	337.50	
2209	Carriage of Cement	tonne	0.05	0.00	0.00	
9999	Mortar for pointing in white cement	L.S.	25.35	2.27	57.54	
	LABOUR :					
0124	Mason 2nd class	day	1.20	816.00	979.20	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	816.00	4080.00	
9999	Sundries	L.S.	208.13	2.27	472.46	
	TOTAL				22399.92	W
	Add 1 % Water charges on “W”				224.00	
	TOTAL				22623.92	X
	Add GST on “X” (multiplying factor 0.2127)				4812.11	
	TOTAL				27436.03	Y
	Add 15% CPOH on “Y”				4115.40	
	TOTAL				31551.43	Z
	Add Cess @ 1% on “Z”				315.51	
	Cost of 10 sqm				31866.94	
	Cost of 1 sqm				3186.69	
	Say				3186.70	

11.56 Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.

11.56.1 Polished Granite stone slab of colour Black, Cherry/Ruby Red or equivalent

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00 sqm					
	MATERIAL					
	18 mm thick polished finish granite stone slab 10.00 sqm + 1.50 (Add for wastage 15%)= 11.50 sqm					
7298	18 mm thick Polished finish granite stone slab of colour Black, Cherry/Ruby Red (slab area above 0.5 sqm)	sqm	11.50	2152.00	24748.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	0.00	0.00	
3.9	Rate as per Item No.3.9 of SH: MOR-TARS	cum	0.224	4211.70	943.42	
0367	Portland Cement	tonne	0.05	5156.00	257.80	
0874	Black colour dark shade pigment	kilogram	4.50	75.00	337.50	
2209	Carriage of Cement	tonne	0.05	0.00	0.00	
9999	Mortar for pointing in white cement (11.22)	L.S.	25.35	2.27	57.54	
	LABOUR :					
0124	Mason 2nd class	day	1.20	816.00	979.20	
0114	Beldar	day	1.00	736.00	736.00	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	2.00	816.00	1632.00	
0019	Machine for cutting (hand grinding)	day	2.00	300.00	600.00	
9999	Sundries	L.S.	208.13	2.27	472.46	
	TOTAL				31499.92	W
	Add 1 % Water charges on “W”				315.00	
	TOTAL				31814.92	X
	Add GST on “X” (multiplying factor 0.2127)				6767.03	
	TOTAL				38581.95	Y
	Add 15% CPOH on “Y”				5787.29	
	TOTAL				44369.24	Z
	Add Cess @ 1% on “Z”				443.69	
	Cost of 10 sqm				44812.93	
	Cost of 1 sqm				4481.29	
	Say				4481.30	

11.56.2 Polished Granite stone slab of all colour and texture except Black, Cherry/Ruby Red

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00 sqm					
	MATERIAL					
	18 mm thick polished finish granite stone slab 10.00 sqm + 1.50 (Add for wastage 15%)= 11.50 sqm					
7299	18 mm thick Polished finish granite stone slab of all colour and texture except Black, Cherry/Ruby Red (slab area more than 0.5 sqm)	sqm	11.50	1290.00	14835.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	0.00	0.00	
3.9	Rate as per Item No.3.9 of SH: MOR-TARS	cum	0.224	4211.70	943.42	
0367	Portland Cement	tonne	0.05	5156.00	257.80	
0874	Black colour dark shade pigment	kilogram	4.50	75.00	337.50	
2209	Carriage of Cement	tonne	0.05	0.00	0.00	
9999	Mortar for pointing in white cement (11.22)	L.S.	25.35	2.27	57.54	
	LABOUR :					
0124	Mason 2nd class	day	1.20	816.00	979.20	
0114	Beldar	day	1.00	736.00	736.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	1.00	736.00	736.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	2.00	816.00	1632.00	
0019	Machine for cutting (hand grinding)	day	2.00	300.00	600.00	
9999	Sundries	L.S.	208.13	2.27	472.46	
	TOTAL				21586.92	W
	Add 1 % Water charges on “W”				215.87	
	TOTAL				21802.79	X
	Add GST on “X” (multiplying factor 0.2127)				4637.45	
	TOTAL				26440.24	Y
	Add 15% CPOH on “Y”				3966.04	
	TOTAL				30406.28	Z
	Add Cess @ 1% on “Z”				304.06	
	Cost of 10 sqm				30710.34	
	Cost of 1 sqm				3071.03	
	Say				3071.05	

SUB HEAD : 12.0

ROOFING

12.1 Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.

12.1.1 1.00 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a roof with each sloping side 18.09x5.10m and slop being flatter than 1 vertical to 2.5 horizontal Area of roof = 2x18.09x5.10 = 184.518 sqm. MATERIAL C.G.S. sheets 2x27 =54 nos. of size 2.5x0.9 metre @19.35 Kg each =1044.90Kg. 2x27=54 nos. of size 2.8x0.9@21.67kg. each =1170.18Kg.+ Total = 2215.08Kg.+ Add 5% Wastage = 110.75Kg. Total = 2325.83 Kg = 23.26 quintals					
3050	Galvanised steel corrugated sheets	quintal	23.26	6105.00	142002.30	
2302	Carriage of G.I. sheet and accessories G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.	tonne	2.326	0.00	0.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots G.I.,J or L hooks 8mm dia. (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.	10 Nos	88.40	38.00	3359.20	
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	81.00	130.00	10530.00	
1207	G.I. Limpet washer (total of seam and J bolts) 884+810=1694	100 Nos	16.94	21.00	355.74	
1208	Bitumen washer	100 Nos	16.94	30.00	508.20	
9977	Carriage of bolts and washers	L.S.	26.91	2.27	61.09	
9999	Sundries	L.S.	53.82	2.27	122.17	
	LABOUR					
0130	Mistry	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	15.50	816.00	12648.00	
0114	Beldar	day	15.50	736.00	11408.00	
4202	Red oxide Zinc chromate primer	litre	2.53	140.00	354.20	
9977	Carriage of material	L.S.	0.52	2.27	1.18	
0131	Painter	day	1.13	816.00	922.08	
0115	Coolie	day	1.13	736.00	831.68	
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.27	114.79	
0845	Roofing paint for iron sheets in red colour	litre	3.75	135.00	506.25	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage of paint	L.S.	6.76	2.27	15.35	
0131	Painter	day	2.53	816.00	2064.48	
0115	Coolie	day	2.53	736.00	1862.08	
9999	Brushes and Sandpapers	L.S.	31.98	2.27	72.59	
9999	Sundries	L.S.	38.09	2.27	86.46	
	TOTAL				188991.94	W
	Add 1 % Water charges on “W”				1889.92	
	TOTAL				190881.86	X
	Add GST on “X” (multiplying factor 0.2127)				40600.57	
	TOTAL				231482.43	Y
	Add 15% CPOH on “Y”				34722.36	
	TOTAL				266204.79	Z
	Add Cess @ 1% on “Z”				2662.05	
	Cost of 184.518 Sqm.				268866.84	
	Cost of 1 Sqm.				1457.13	
	Say				1457.15	

12.1.2 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a roof with each sloping side 18.09x5.10m and slop being flatter than 1 vertical to 2.5 horizontal Area of roof = 2x18.09x5.1 = 184.518 sqm. Details of length and breadth. Length 26(laps)x0.135(each lap)=3.51 Width of Corrugator sheet with 10 corrugation measured end to end = 0.8 metres 27 (nos. of sheets)x0.80 (width of sheet) = 21.60 length Less laps = 3.51 Length = 18.09 Breadth on one side- C.G.S. Sheet 1 No. of = 2.5 metres length+ C.G.S. Sheet 1 No. of = 2.8 metres length Total = 5.3 metres Deduct end lap of 20cm (-)0.2 metres breadth = 5.1m MATERIAL C.G.S. Sheets 0.8mm thick 2x27=54nos. @15.82Kg.each Total = 854.38Kg(X) 2.5mx0.9m is the size of plain G.I.sheet which on being corrugated will become 2.5mx0.8m (The size of plain sheet is taken because the weight is available only of plain sheets) (Refer I.S. Code 277-1962) 2x27=54nos. of size. 2.8x0.9@17.72Kg each = 956.8Kg (Y) Total of (X)+(Y) = 1811.16Kg. Add wastage @5% = 90.56Kg. Total = 1901.72Kg = 19.02q					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3050	Galvanised steel corrugated sheets	quintal	19.02	6105.00	116117.10	
2302	Carriage of G.I. sheet and accessories	tonne	1.902	0.00	0.00	
	G.I. scam bolts and nuts 60cm centre to centre zig zag i.e. 30cm. centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.					
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	88.40	38.00	3359.20	
1023	Galvanised steel J or L hooks 8 mm dia (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 Nos. of bolts in each sheet = 810 Nos	10 Nos	81.00	130.00	10530.00	
1207	G.I. Limpet washer (total of seam and J bolts) 884+810=1694	100 Nos	16.94	21.00	355.74	
1208	Bitumen washer	100 Nos	16.94	30.00	508.20	
9977	Carriage of bolts and washers	L.S.	26.91	2.27	61.09	
9999	Sundries	L.S.	53.82	2.27	122.17	
	LABOUR					
0130	Mistry	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	15.50	816.00	12648.00	
0114	Beldar	day	15.50	736.00	11408.00	
4202	Red oxide Zinc chromate primer	litre	2.53	140.00	354.20	
9977	Carriage of material	L.S.	0.52	2.27	1.18	
0131	Painter	day	1.13	816.00	922.08	
0115	Coolie	day	1.13	736.00	831.68	
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.27	114.79	
0845	Roofing paint for iron sheets in red colour	litre	3.75	135.00	506.25	
9977	Carriage of paint	L.S.	6.76	2.27	15.35	
0131	Painter	day	2.53	816.00	2064.48	
0115	Coolie	day	2.53	736.00	1862.08	
9999	Brushes and Sandpapers	L.S.	31.98	2.27	72.59	
9999	Sundries	L.S.	38.09	2.27	86.46	
	TOTAL				163106.74	W
	Add 1 % Water charges on “W”				1631.07	
	TOTAL				164737.81	X
	Add GST on “X” (multiplying factor 0.2127)				35039.73	
	TOTAL				199777.54	Y
	Add 15% CPOH on “Y”				29966.63	
	Add 15% CPOH on “Y”				229744.17	Z
	Add Cess @ 1% on “Z”				2297.44	
	Cost of 184.518 Sqm.				232041.61	
	Cost of 1 Sqm.				1257.56	
	Say				1257.55	

12.1.3 0.63 mm thick with zinc coating not less than 275 gm/ m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a roof with each sloping side 18.09x5.10m and slop being flatter than 1 vertical to 2.5 horizontal Area of roof = 2x18.09x5.1 = 184.518 sqm. Details of length and breadth. Length = 26(laps)x0.135(each lap)=3.51 Width of Corrugator sheet with 10 corrugation measured end to end = 0.8 metres 27 (nos. of sheets)x0.80 (width of sheet) = 21.60 length Less laps = 3.51 Length = 18.09 Breadth on one side- C.G.S. Sheet 1 No. of = 2.5 metres length+ C.G.S. Sheet 1 No. of = 2.8 metres length = 5.3 metres Deduct end lap of 20cm (-)0.2 metres breadth = 5.1m MATERIAL C.G.S.Sheets 0.63 mm thick 2x27=54nos. @12.82Kg.each = 692.28 Kg(X) 2.5mx0.9m is the size of plain G.I.sheet which on being corrugated will become 2.5mx0.8m (The size of plain sheet is taken because the weight is available only of plain sheets) (Refer I.S. Code 277-1962) 2x27=54nos. of size. 2.8x0.9@13.38Kg each = 775.44Kg (Y) Total of (X)+(Y) = 1467.72Kg. Add wastage @5% = 73.39Kg. Total = 1541.11Kg = 15.41q					
3050	Galvanised steel corrugated sheets	quintal	15.41	6105.00	94078.05	
2302	Carriage of G.I. sheet and accessories	tonne	1.54	0.00	0.00	
	G.I. scam bolts and nuts 60cm centre to centre zig zag i.e. 30cm. centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos.					
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	88.40	38.00	3359.20	
1023	Galvanised steel J or L hooks 8 mm dia (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 Nos. of bolts in each sheet = 810 Nos	10 Nos	81.00	130.00	10530.00	
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	21.00	355.74	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1208	Bitumen washer	100 Nos	16.94	30.00	508.20	
9977	Carriage of bolts and washers	L.S.	26.91	2.27	61.09	
9999	Sundries	L.S.	53.82	2.27	122.17	
	LABOUR					
0130	Mistry	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	15.50	816.00	12648.00	
0114	Beldar	day	15.50	736.00	11408.00	
4202	Red oxide Zinc chromate primer	litre	2.53	140.00	354.20	
9977	Carriage of material	L.S.	0.52	2.27	1.18	
0131	Painter	day	1.13	816.00	922.08	
0115	Coolie	day	1.13	736.00	831.68	
9999	Brushes, sand papers i/c sundries	L.S.	50.57	2.27	114.79	
0845	Roofing paint for iron sheets in red colour	litre	3.75	135.00	506.25	
9977	Carriage of paint	L.S.	6.76	2.27	15.35	
0131	Painter	day	2.53	816.00	2064.48	
0115	Coolie	day	2.53	736.00	1862.08	
9999	Brushes and Sandpapers	L.S.	31.98	2.27	72.59	
9999	Sundries	L.S.	38.09	2.27	86.46	
	TOTAL				141067.69	W
	Add 1 % Water charges on “W”				1410.68	
	TOTAL				142478.37	X
	Add GST on “X” (multiplying factor 0.2127)				30305.15	
	TOTAL				172783.52	Y
	Add 15% CPOH on “Y”				25917.53	
	TOTAL				198701.05	Z
	Add Cess @ 1% on “Z”				1987.01	
	Cost of 184.518 Sqm.				200688.06	
	Cost of 1 Sqm.				1087.63	
	Say				1087.65	

12.2 Extra for straight cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc.:

12.2.1 1.00 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3 metres periphery Assuming a hole of 10dmx5dm area of the hole 50dm2 and the perimeter of the hole 3 metre					
	LABOUR					
0102	Blacksmith 1st class	day	0.15	897.00	134.55	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				244.95	W
	Add 1 % Water charges on “W”				2.45	
	TOTAL				247.40	X
	Add GST on “X” (multiplying factor 0.2127)				52.62	
	TOTAL				300.02	Y
	Add 15% CPOH on “Y”				45.00	
	TOTAL				345.02	Z
	Add Cess @ 1% on “Z”				3.45	
	Cost of 3.00 metres				348.47	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 1.00 metre				116.16	
	Say				116.15	

12.2.2 0.80 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3 metres periphery					
	Assuming a hole of 10dmx5dm area of the hole 50dm2 and the perimeter of the hole 3 metre					
	LABOUR					
0102	Blacksmith 1st class	day	0.12	897.00	107.64	
0114	Beldar	day	0.12	736.00	88.32	
	TOTAL				195.96	W
	Add 1 % Water charges on “W”				1.96	
	TOTAL				197.92	X
	Add GST on “X” (multiplying factor 0.2127)				42.10	
	TOTAL				240.02	Y
	Add 15% CPOH on “Y”				36.00	
	TOTAL				276.02	Z
	Add Cess @ 1% on “Z”				2.76	
	Cost of 3.00 metres				278.78	
	Cost of 1.00 metre				92.93	
	Say				92.95	

12.2.3 0.63 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3 metres periphery					
	Assuming a hole of 10dmx5dm area of the hole 50dm2 and the perimeter of the hole 3 metre					
	LABOUR					
0102	Blacksmith 1st class	day	0.12	897.00	107.64	
0114	Beldar	day	0.12	736.00	88.32	
	TOTAL				195.96	W
	Add 1 % Water charges on “W”				1.96	
	TOTAL				197.92	X
	Add GST on “X” (multiplying factor 0.2127)				42.10	
	TOTAL				240.02	Y
	Add 15% CPOH on “Y”				36.00	
	TOTAL				276.02	Z
	Add Cess @ 1% on “Z”				2.76	
	Cost of 3.00 metres				278.78	
	Cost of 1.00 metre				92.93	
	Say				92.95	

12.3 Extra for circular cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter:

12.3.1 1.00 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes of 0.5 metre dia-metre					
	Perimetre of 10 nos 10x22/7x0.5 = 15.71 metre					
	LABOUR					
0102	Blacksmith 1st class	day	3.13	897.00	2807.61	
0114	Beldar	day	6.26	736.00	4607.36	
	TOTAL				7414.97	W
	Add 1 % Water charges on “W”				74.15	
	TOTAL				7489.12	X
	Add GST on “X” (multiplying factor 0.2127)				1592.94	
	TOTAL				9082.06	Y
	Add 15% CPOH on “Y”				1362.31	
	TOTAL				10444.37	Z
	Add Cess @ 1% on “Z”				104.44	
	Cost of 15.71 metre				10548.81	
	Cost of 1.00 metre				671.47	
	Say				671.45	

12.3.2 0.80 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes of 0.5 metre dia-metre					
	Perimetre of 10 nos 10x22/7x0.5 = 15.71 metre					
	LABOUR					
0102	Blacksmith 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	5.00	736.00	3680.00	
	TOTAL				5922.50	W
	Add 1 % Water charges on “W”				59.23	
	TOTAL				5981.73	X
	Add GST on “X” (multiplying factor 0.2127)				1272.31	
	TOTAL				7254.04	Y
	Add 15% CPOH on “Y”				1088.11	
	TOTAL				8342.15	Z
	Add Cess @ 1% on “Z”				83.42	
	Cost of 15.71 metre				8425.57	
	Cost of 1.00 metre				536.32	
	Say				536.30	

12.3.3 0.63 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes of 0.5 metre dia-metre					
	Perimetre of 10 nos 10x22/7x0.5 = 15.71 metre					
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0102	Blacksmith 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	5.00	736.00	3680.00	
	TOTAL				5922.50	W
	Add 1 % Water charges on “W”				59.23	
	TOTAL				5981.73	X
	Add GST on “X” (multiplying factor 0.2127)				1272.31	
	TOTAL				7254.04	Y
	Add 15% CPOH on “Y”				1088.11	
	TOTAL				8342.15	Z
	Add Cess @ 1% on “Z”				83.42	
	Cost of 15.71 metres				8425.57	
	Cost of 1.00 metre				536.32	
	Say				536.30	

12.4 Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete.

12.4.1 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.35 metres long ridge 0.80mm thick with zinc coating not less than 275gm/m2					
	Consider the length of the ridge 10.35 metres.					
	The ridge will be made out of plain G.I. Sheets 0.9mx1.8m					
	Three pieces will be 0.9m long and 0.60m wide overlapping 22.5cm.					
	MATERIAL					
	G.I. plain sheets 0.80 thick 1.80x0.90m size 5 nos. @ 11.39Kg. sheet = 56.95Kg +					
	Add 2% wastage = 1.14 Kg.					
	Total = 58.09 Kg. or 0.58 q.					
0992	Galvanised steel plain sheets	quintal	0.58	6800.00	3944.00	
2302	Carriage of G.I. sheet and accessories	tonne	0.058	0.00	0.00	
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	2.80	11.00	30.80	
	25mmx6mm (There are 14 joints)					
1211	G.I. plain washer for seam bolts	100 Nos	0.28	32.00	8.96	
1208	Bitumen washer	100 Nos	0.28	30.00	8.40	
9977	Carriage of seam bolts and washers	L.S.	1.82	2.27	4.13	
9999	Sundries	L.S.	13.52	2.27	30.69	
	LABOUR					
0130	Mistry	day	0.40	897.00	358.80	
0102	Blacksmith 1st class	day	1.20	897.00	1076.40	
0103	Blacksmith 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	2.40	736.00	1766.40	
	TOTAL				7881.38	W
	Add 1 % Water charges on “W”				78.81	
	TOTAL				7960.19	X
	Add GST on “X” (multiplying factor 0.2127)				1693.13	
	TOTAL				9653.32	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				1448.00	
	TOTAL				11101.32	Z
	Add Cess @ 1% on "Z"				111.01	
	Cost of 10.35 metres				11212.33	
	Cost of 1.00 metre				1083.32	
	Say				1083.30	

12.4.2 0.63 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.35 metre long ridge.					
	G.I.plain sheets 0.63mm thick 1.8x0.9m size 5 nos. @9.23 Kg. per sheet = 46.15 Kg. +					
	Add 2% wastage = 0.91 Kg.					
	Total = 47.07 Kg.					
	Say 47 Kg.					
0992	Galvanised steel plain sheets	quintal	0.47	6800.00	3196.00	
2302	Carriage of G.I. sheet and accessories	tonne	0.047	0.00	0.00	
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	2.80	11.00	30.80	
	25mmx6mm (There are 14 joints)					
1211	G.I. plain washer for seam bolts	100 Nos	0.28	32.00	8.96	
1208	Bitumen washer	100 Nos	0.28	30.00	8.40	
9977	Carriage of seam bolts and washers	L.S.	1.82	2.27	4.13	
9999	Sundries	L.S.	13.52	2.27	30.69	
	LABOUR					
0130	Mistry	day	0.40	897.00	358.80	
0102	Blacksmith 1st class	day	1.20	897.00	1076.40	
0103	Blacksmith 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	2.40	736.00	1766.40	
	TOTAL				7133.38	W
	Add 1 % Water charges on "W"				71.33	
	TOTAL				7204.71	X
	Add GST on "X" (multiplying factor 0.2127)				1532.44	
	TOTAL				8737.15	Y
	Add 15% CPOH on "Y"				1310.57	
	TOTAL				10047.72	Z
	Add Cess @ 1% on "Z"				100.48	
	Cost of 10.35 metres				10148.20	
	Cost of 1.00 metre				980.50	
	Say				980.50	

12.5 Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete :

12.5.1 1.60 mm thick with zinc coating not less than 350 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 9.325m					
	MATERIAL					
	G.I. plain sheets 2.5x0.9m					
	4 nos. @ 29.95Kg/sheet =119.80Kg.+					
	Add 2% wastage = 2.40Kg.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total = 122.20 kg. or 1.222q.					
0992	Galvanised steel plain sheets	quintal	1.222	6800.00	8309.60	
2302	Carriage of G.I. sheet and accessories	tonne	0.12	0.00	0.00	
0222	Seam bolts and nuts 6 mm dia and 25 mm long 25mmx6mm (There are 14 joints)	10 Nos	1.20	11.00	13.20	
1211	G.I. plain washer for seam bolts	100 Nos	0.12	32.00	3.84	
1208	Bitumen washer	100 Nos	0.12	30.00	3.60	
9977	Carriage of bolts, nuts and washers	L.S.	0.91	2.27	2.07	
9999	Sundries	L.S.	13.52	2.27	30.69	
	LABOUR					
0130	Mistry	day	0.40	897.00	358.80	
0102	Blacksmith 1st class	day	1.20	897.00	1076.40	
0103	Blacksmith 2nd class	day	0.80	816.00	652.80	
0114	Beldar	day	2.40	736.00	1766.40	
	TOTAL				12217.40	W
	Add 1 % Water charges on “W”				122.17	
	TOTAL				12339.57	X
	Add GST on “X” (multiplying factor 0.2127)				2624.63	
	TOTAL				14964.20	Y
	Add 15% CPOH on “Y”				2244.63	
	TOTAL				17208.83	Z
	Add Cess @ 1% on “Z”				172.09	
	Cost of 9.325 metres				17380.92	
	Cost of 1.00 metre				1863.91	
	Say				1863.90	

12.6 Providing and fixing of 40 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts, G.I. limpet and bitumen washer complete, bent to shape and fixed in wall with cement mortar 1:3 (1 cement : 3 coarse sand).

12.6.1 1.00 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 13.39 m Consider a length of flashing 13.39 metre. MATERIAL G.I. plain sheet 1.00 mm thick 2.44mx1.22 m 2 nos. @ 23.27 Kg. = 46.54 Kg.+ Add 2% wastage = 0.0.93 Kg Total = 47.47 Kg. or 0.475 quintal					
0992	Galvanised steel plain sheets	quintal	0.475	6800.00	3230.00	
2302	Carriage of G.I. sheet and accessories	tonne	0.048	0.00	0.00	
0222	Seam bolts and nuts 6 mm dia and 25 mm long (taking 2 bolts per joints)	10 Nos	1.00	11.00	11.00	
1207	G.I. Limpet washer	100 Nos	0.10	21.00	2.10	
1208	Bitumen washer	100 Nos	0.10	30.00	3.00	
9977	Carriage of G.I. seam bolts and washers	L.S.	0.39	2.27	0.89	
9999	Sundries	L.S.	10.79	2.27	24.49	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0130	Mistry	day	0.50	897.00	448.50	
0102	Blacksmith 1st class	day	1.48	897.00	1327.56	
0103	Blacksmith 2nd class	day	1.00	816.00	816.00	
0114	Beldar	day	3.00	736.00	2208.00	
	TOTAL				8071.54	W
	Add 1 % Water charges on “W”				80.72	
	TOTAL				8152.26	X
	Add GST on “X” (multiplying factor 0.2127)				1733.99	
	TOTAL				9886.25	Y
	Add 15% CPOH on “Y”				1482.94	
	TOTAL				11369.19	Z
	Add Cess @ 1% on “Z”				113.69	
	Cost of 13.39 metre				11482.88	
	Cost of 1.00 metre				857.57	
	Say				857.55	

12.7 Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.

12.7.1 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 90.4m 0.80mm thick with zinc coating not less than 275gm/m2 Consider a length of10x 9.04m =90.4 m Sheet used of size 2.5x0.90m = 2x10 = 20 nos. Wt. = 20x15.82=316.4 Kg. = 3.164q Total = 3.164quintal					
	MATERIAL					
0992	Galvanised steel plain sheets	quintal	3.164	6800.00	21515.20	
2302	Carriage of G.I. sheet and accessories	tonne	0.316	0.00	0.00	
1008	Flats upto 10 mm in thickness	quintal	0.749	5450.00	4082.05	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	20.000	38.00	760.00	
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	300.000	9.00	2700.00	
1210	G.I. plain washer thin	100 Nos	7.000	21.00	147.00	
1208	Bitumen washer	100 Nos	4.000	30.00	120.00	
9977	Carriage of G.I. seam bolts and washers	L.S.	27.300	2.27	61.97	
9999	Sundries	L.S.	53.300	2.27	120.99	
	LABOUR					
0102	Blacksmith 1st class	day	5.000	897.00	4485.00	
0114	Beldar	day	5.000	736.00	3680.00	
9999	Sundries	L.S.	126.100	2.27	286.25	
0130	Mistry	day	2.800	897.00	2511.60	
0102	Blacksmith 1st class	day	8.400	897.00	7534.80	
0112	Carpenter 2nd class	day	6.200	816.00	5059.20	
0114	Beldar	day	16.800	736.00	12364.80	
	TOTAL				65428.86	W

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 1 % Water charges on “W”				654.29	
	TOTAL				66083.15	X
	Add GST on “X” (multiplying factor 0.2127)				14055.89	
	TOTAL				80139.04	Y
	Add 15% CPOH on “Y”				12020.86	
	TOTAL				92159.90	Z
	Add Cess @ 1% on “Z”				921.60	
	Cost of 90.4 metre				93081.50	
	Cost of 1.00 metre				1029.66	
	Say				1029.65	

12.7.2 0.63 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 90.4m 0.63mm thick with zinc coating not less than 275gm/m2 Consider a length of 90.4m Sheet used of size 2.5x0.90m = 2x10 = 20 nos. Wt. = 20x11.82=236.4 Kg. = 2.364q Total = 2.364quintal					
	MATERIAL					
0992	Galvanised steel plain sheets	quintal	2.364	6800.00	16075.20	
2302	Carriage of G.I. sheet and accessories	tonne	0.236	0.00	0.00	
1008	Flats upto 10 mm in thickness	quintal	0.749	5450.00	4082.05	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	20.000	38.00	760.00	
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	300.000	9.00	2700.00	
1210	G.I. plain washer thin	100 Nos	7.000	21.00	147.00	
1208	Bitumen washer	100 Nos	4.000	30.00	120.00	
9977	Carriage of G.I. seam bolts and washers	L.S.	27.300	2.27	61.97	
9999	Sundries	L.S.	53.300	2.27	120.99	
	LABOUR					
0102	Blacksmith 1st class	day	5.000	897.00	4485.00	
0114	Beldar	day	5.000	736.00	3680.00	
9999	Sundries	L.S.	126.100	2.27	286.25	
0130	Mistry	day	2.800	897.00	2511.60	
0102	Blacksmith 1st class	day	8.400	897.00	7534.80	
0112	Carpenter 2nd class	day	6.200	816.00	5059.20	
0114	Beldar	day	16.800	736.00	12364.80	
	TOTAL				59988.86	W
	Add 1 % Water charges on “W”				599.89	
	TOTAL				60588.75	X
	Add GST on “X” (multiplying factor 0.2127)				12887.23	
	TOTAL				73475.98	Y
	Add 15% CPOH on “Y”				11021.40	
	TOTAL				84497.38	Z
	Add Cess @ 1% on “Z”				844.97	
	Cost of 90.4 metres				85342.35	
	Cost of 1.00 metre				944.05	
	Say				944.05	

12.8 Providing reinforced by organic fibres and/or inorganic synthetic fibres cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm area of roof upto 60° pitch Upto 60 degree pitch Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- 20.2x10.70m = 216.14 sqm. MATERIAL Sheets used = 2x20 nos.x3.00mx1.05m =126.00sqm+ 2x20nos.x2.50mx1.05m=105.00sqm. Total = 231.00sqm. + Add 3% wastage = 6.93 Total = 237.93sqm.					
0223	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated sheet 6mm thick 2x20x0.42147 = 1.68588 + 2x20x0.35123= 1.4049 Total = 3.0908+ Add 3 % wastage = 0.092 Total = 3.1835 Say 3.184 t	sqm	237.93	245.00	58292.85	
2273	Carriage of A.C.sheet and accessories	tonne	3.184	0.00	0.00	
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	130.00	6188.00	
1208	Bitumen washer	100 Nos	4.76	30.00	142.80	
1209	G.I. plain washer thick	100 Nos	4.76	35.00	166.60	
9977	Carriage of bolts and nuts, washers etc.	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	TOTAL				81492.92	W
	Add 1 % Water charges on “W”				814.93	
	TOTAL				82307.85	X
	Add GST on “X” (multiplying factor 0.2127)				17506.88	
	TOTAL				99814.73	Y
	Add 15% CPOH on “Y”				14972.21	
	TOTAL				114786.94	Z
	Add Cess @ 1% on “Z”				1147.87	
	Cost of 216.14 sqm.				115934.81	
	Cost of 1.00 sqm.				536.39	
	Say				536.40	

12.9 Extra for straight cutting in reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated, semi corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter for chimney stacks, skylights etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3 metres of periphery					
	Area of cutting 0.9mx0.6m=0.54sqm.					
	Perimeter = 3 metres					
	LABOUR					
0111	Carpenter 1st class	day	0.12	897.00	107.64	
0114	Beldar	day	0.12	736.00	88.32	
	TOTAL				195.96	W
	Add 1 % Water charges on “W”				1.96	
	TOTAL				197.92	X
	Add GST on “X” (multiplying factor 0.2127)				42.10	
	TOTAL				240.02	Y
	Add 15% CPOH on “Y”				36.00	
	TOTAL				276.02	Z
	Add Cess @ 1% on “Z”				2.76	
	Cost of 3.00 metres of periphery				278.78	
	Cost of 1.00 metre of periphery				92.93	
	Say				92.95	

12.10 Extra for circular cutting in reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated/ semi corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 4 holes of 0.72 metre diameter i.e. 9.05 metre periphery					
	LABOUR					
0111	Carpenter 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				1633.00	W
	Add 1 % Water charges on “W”				16.33	
	TOTAL				1649.33	X
	Add GST on “X” (multiplying factor 0.2127)				350.81	
	TOTAL				2000.14	Y
	Add 15% CPOH on “Y”				300.02	
	TOTAL				2300.16	Z
	Add Cess @ 1% on “Z”				23.00	
	Cost of 9.05 metres of periphery				2323.16	
	Cost of 1.00 metre of periphery				256.70	
	Say				256.70	

12.11 Extra for providing and fixing wind ties of 40x 6 mm flat iron section.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 300 metre					
	Extra for providing and fixing wind ties of 40x6mm flat iron section.					
	M.S. flat 40x6mm = 300 metre+					
	wastage @ 5% = 15 metre					
	= 315 metres @ 1.9 Kg per metre					
	= 598.5 Kg. = 5.985 quintal					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1008	Flats upto 10 mm in thickness	quintal	5.985	5450.00	32618.25	
2205	Carriage of Steel	tonne	0.600	0.00	0.00	
9999	Sundries	L.S.	206.700	2.27	469.21	
0102	Blacksmith 1st class	day	5.000	897.00	4485.00	
0114	Beldar	day	5.000	736.00	3680.00	
	TOTAL				41252.46	W
	Add 1 % Water charges on “W”				412.52	
	TOTAL				41664.98	X
	Add GST on “X” (multiplying factor 0.2127)				8862.14	
	TOTAL				50527.12	Y
	Add 15% CPOH on “Y”				7579.07	
	TOTAL				58106.19	Z
	Add Cess @ 1% on “Z”				581.06	
	Cost of 300 metre				58687.25	
	Cost of 1.00 metre				195.62	
	Say				195.60	

12.12 Providing and fixing ridges and hips in fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.

12.12.1 Corrugated serrated adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for length of ridge 20.2 metres					
	One piece corrugated serrated adjustable ridges					
	Consider a shed of 20x10m (external dimensions at plinth).					
	Length of ridges 20.2 metre					
	MATERIAL					
	Ridge piece required each of 1.22mm					
	length = 19 nos. +					
	Add 5% wastage = 0.95 No.					
	Nos x 1.22 = 24.339 metre					
0225	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated serrated adjustable ridge.	metre	24.339	230.00	5597.97	
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	2.27	30.69	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0130	Mistry	day	0.14	897.00	125.58	
0112	Carpenter 2nd class	day	0.55	816.00	448.80	
0114	Beldar	day	1.64	736.00	1207.04	
	TOTAL				7425.43	W
	Add 1 % Water charges on “W”				74.25	
	TOTAL				7499.68	X
	Add GST on “X” (multiplying factor 0.2127)				1595.18	
	TOTAL				9094.86	Y
	Add 15% CPOH on “Y”				1364.23	
	TOTAL				10459.09	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				104.59	
	Cost of 20.20 metre				10563.68	
	Cost of 1.00 metre				522.95	
	Say				522.95	

12.12.2 Plain wing adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for length of ridge 20.20 metres Plain wing adjustable ridges					
	Consider a shed of 20x10m (external dimensions at plinth).					
	Length of ridges 20.2 metre					
	MATERIAL					
	Ridge piece required each of 1.22m length = 19 nos. +					
	Add 5% wastage = 0.95 No.					
	19.95 nos x 1.22 = 24.339 metre					
0226	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement plain wing adjustable ridge.	metre	24.339	230.00	5597.97	
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	2.27	30.69	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0130	Mistry	day	0.14	897.00	125.58	
0112	Carpenter 2nd class	day	0.55	816.00	448.80	
0114	Beldar	day	1.64	736.00	1207.04	
	TOTAL				7425.43	W
	Add 1 % Water charges on “W”				74.25	
	TOTAL				7499.68	X
	Add GST on “X” (multiplying factor 0.2127)				1595.18	
	TOTAL				9094.86	Y
	Add 15% CPOH on “Y”				1364.23	
	TOTAL				10459.09	Z
	Add Cess @ 1% on “Z”				104.59	
	Cost of 20.20 metre				10563.68	
	Cost of 1.00 metre				522.95	
	Say				522.95	

12.12.3 Close fitting adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for length of ridge 20.2 metres Close fitting adjustable ridges					
	Consider a shed of 20x10m (external dimensions at plinth).					
	Length of ridges 20.2 metre					
	No. of ridge pairs required, of length					
	1.22m each = 22.00 nos. +					
	Add 5% wastage = 1.10 Nos.					
	= 23.10 nos.x 1.22= 28.182 metre					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0224	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement close fitting adjustable ridge.	metre	28.182	230.00	6481.86	
9977	Carriage	L.S.	16.12	2.27	36.59	
9999	Sundries	L.S.	7.15	2.27	16.23	
	LABOUR					
0130	Mistry	day	0.14	897.00	125.58	
0112	Carpenter 2nd class	day	0.55	816.00	448.80	
0114	Beldar	day	1.64	736.00	1207.04	
	TOTAL				8316.10	W
	Add 1 % Water charges on “W”				83.16	
	TOTAL				8399.26	X
	Add GST on “X” (multiplying factor 0.2127)				1786.52	
	TOTAL				10185.78	Y
	Add 15% CPOH on “Y”				1527.87	
	TOTAL				11713.65	Z
	Add Cess @ 1% on “Z”				117.14	
	Cost of 20.20 metre				11830.79	
	Cost of 1.00 metre				585.68	
	Say				585.70	

12.12.4 Unserrated adjustable hips

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for a shed with hip as 20.2 metres Unserrated adjustable hips					
	Consider a shed with hip as 20.2 metres					
	No. of hi pieces required = 19 pairs					
	Length of each pair 1.22 metres					
	Add 5 % wastage = 0.95 pairs					
	= 19.95 pairs x 1.22 = 24.339 metre					
0227	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement unserrated adjustable ridge for hips.	metre	24.339	230.00	5597.97	
9977	Carriage	L.S.	6.76	2.27	15.35	
9999	Sundries	L.S.	6.63	2.27	15.05	
	LABOUR					
0130	Mistry	day	0.14	897.00	125.58	
0112	Carpenter 2nd class	day	0.55	816.00	448.80	
0114	Beldar	day	1.64	736.00	1207.04	
	TOTAL				7409.79	W
	Add 1 % Water charges on “W”				74.10	
	TOTAL				7483.89	X
	Add GST on “X” (multiplying factor 0.2127)				1591.82	
	TOTAL				9075.71	Y
	Add 15% CPOH on “Y”				1361.36	
	TOTAL				10437.07	Z
	Add Cess @ 1% on “Z”				104.37	
	Cost of 20.20 metre				10541.44	
	Cost of 1.00 metre				521.85	
	Say				521.85	

12.13 Providing and fixing fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete:

12.13.1 Corrugated apron pieces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details for shed of 20.2 metres completed length					
	MATERIAL					
	Corrugated appron pieces of 1.12 metre length = 20 nos.+					
	Add 5% wastage = 1.0 No.					
	Total = 21 nos.x 1.12=23.52 metre					
0228	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated appron piece.	metre	23.52	220.00	5174.40	
9977	Carriage of appron pieces. (The appron pieces are to be fixed with the same hooks as the sheets)	L.S.	3.25	2.27	7.38	
9999	Sundries	L.S.	3.25	2.27	7.38	
	LABOUR					
0130	Mistry	day	0.07	897.00	62.79	
0112	Carpenter 2nd class	day	0.28	816.00	228.48	
0114	Beldar	day	0.82	736.00	603.52	
	TOTAL				6083.95	W
	Add 1 % Water charges on “W”				60.84	
	TOTAL				6144.79	X
	Add GST on “X” (multiplying factor 0.2127)				1307.00	
	TOTAL				7451.79	Y
	Add 15% CPOH on “Y”				1117.77	
	TOTAL				8569.56	Z
	Add Cess @ 1% on “Z”				85.70	
	Cost of 20.20 metre				8655.26	
	Cost of 1.00 metre				428.48	
	Say				428.50	

12.13.2 Eave’s filler pieces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of eaves filler for a shed of 20.2 metres complete length					
	MATERIAL					
	Eaves filler pieces of 0.16 metres length = 20 nos.+					
	Add 5% wastage = 1.0 No.					
	Total = 21 nos.					
0229	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement eaves filler piece.	each	21.00	190.00	3990.00	
9999	The eaves filler pieces are to be fixed with the same hooks as the sheets	L.S.	3.25	2.27	7.38	
9999	Sundries	L.S.	3.25	2.27	7.38	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0130	Mistry	day	0.07	897.00	62.79	
0112	Carpenter 2nd class	day	0.28	816.00	228.48	
0114	Beldar	day	0.82	736.00	603.52	
	TOTAL				4899.55	W
	Add 1 % Water charges on “W”				49.00	
	TOTAL				4948.55	X
	Add GST on “X” (multiplying factor 0.2127)				1052.56	
	TOTAL				6001.11	Y
	Add 15% CPOH on “Y”				900.17	
	TOTAL				6901.28	Z
	Add Cess @ 1% on “Z”				69.01	
	Cost of 20.20 metres				6970.29	
	Cost of 1.00 metre				345.06	
	Say				345.05	

12.13.3 North light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of North light curve 20.2 metres long complete length					
	MATERIAL					
	North light curves of 1.016 metres nominal length = 20 nos. +					
	Add 5% wastage = 1.0 No.					
	= 21 nos.x 1.016 = 21.336 metre					
0230	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement north light curves.	metre	21.336	300.00	6400.80	
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	130.00	520.00	
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00	
1208	Bitumen washer	100 Nos	0.40	30.00	12.00	
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.27	22.43	
9999	Sundries	L.S.	6.24	2.27	14.16	
	LABOUR					
0130	Mistry	day	0.10	897.00	89.70	
0112	Carpenter 2nd class	day	0.30	816.00	244.80	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				8053.89	W
	Add 1 % Water charges on “W”				80.54	
	TOTAL				8134.43	X
	Add GST on “X” (multiplying factor 0.2127)				1730.19	
	TOTAL				9864.62	Y
	Add 15% CPOH on “Y”				1479.69	
	TOTAL				11344.31	Z
	Add Cess @ 1% on “Z”				113.44	
	Cost of 20.20 metres				11457.75	
	Cost of 1.00 metre				567.22	
	Say				567.20	

12.13.4 Ventilator curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of ventilator curve 20.2 metres long complete length					
	MATERIAL					
	Ventilator curves of 1.016 metres nominal length = 20 nos. +					
	Add 5% wastage = 1.0 No.					
	Total = 21 nos.x 1.016 = 21.336 metre					
0231	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement ventilator curves.	each	21.336	340.00	7254.24	
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	130.00	520.00	
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00	
1208	Bitumen washer	100 Nos	0.40	30.00	12.00	
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.27	22.43	
9999	Sundries	L.S.	6.24	2.27	14.16	
	LABOUR					
0130	Mistry	day	0.10	897.00	89.70	
0112	Carpenter 2nd class	day	0.30	816.00	244.80	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				8907.33	W
	Add 1 % Water charges on “W”				89.07	
	TOTAL				8996.40	X
	Add GST on “X” (multiplying factor 0.2127)				1913.53	
	TOTAL				10909.93	Y
	Add 15% CPOH on “Y”				1636.49	
	TOTAL				12546.42	Z
	Add Cess @ 1% on “Z”				125.46	
	Cost of 20.20 metre				12671.88	
	Cost of 1.00 metre				627.32	
	Say				627.30	

12.13.5 Barge boards

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 9.70 metres					
	Completed length of barge boards					
	MATERIAL					
	Barge boards 2.50metres = 4 nos. x 2.50 = 10.00 metre					
	Add 5% wastage = 0.50 metre.					
	Total = 10.50 metre.					
0232	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement barge boards 6 mm thick.	metre	10.50	430.00	4515.00	
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	11.00	5.50	
1211	G.I. plain washer for seam bolts	100 Nos	0.10	32.00	3.20	
1208	Bitumen washer	100 Nos	0.05	30.00	1.50	
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	2.27	21.25	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0130	Mistry	day	0.04	897.00	35.88	
0112	Carpenter 2nd class	day	0.06	816.00	48.96	
0114	Beldar	day	0.40	736.00	294.40	
	TOTAL				4941.04	W
	Add 1 % Water charges on “W”				49.41	
	TOTAL				4990.45	X
	Add GST on “X” (multiplying factor 0.2127)				1061.47	
	TOTAL				6051.92	Y
	Add 15% CPOH on “Y”				907.79	
	TOTAL				6959.71	Z
	Add Cess @ 1% on “Z”				69.60	
	Cost of 9.70 metre				7029.31	
	Cost of 1.00 metre				724.67	
	Say				724.65	

12.13.6 Ridge finials

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of a pair of ridge final					
	MATERIAL					
	Ride final = pair					
	Add 5% wastage = 0.05pair.					
	Total = 1.05 pair					
0233	Fibre reinforced by organic fibres and/or in-organic synthetic fibres cement ridge finial .	pair	1.05	180.00	189.00	
9988	Carriage, sundries, fixing charges including providing and fixing, seam bolts and nuts, with G.I. and bitumen washers	L.S.	10.79	2.27	24.49	
	TOTAL				213.49	W
	Add 1 % Water charges on “W”				2.13	
	TOTAL				215.62	X
	Add GST on “X” (multiplying factor 0.2127)				45.86	
	TOTAL				261.48	Y
	Add 15% CPOH on “Y”				39.22	
	TOTAL				300.70	Z
	Add Cess @ 1% on “Z”				3.01	
	Cost of 1.00 pair				303.71	
	Say				303.70	

12.13.7 Special north light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 20 Nos					
	Details of special north light ventilator curve 20.2 metres long complete length					
	MATERIAL					
	Special north light curves of 1.016 metres nominal length = 20 nos. +					
	Add 5% wastage = 1.0 No.					
	Total = 21 nos.					
0234	Fibre reinforced by organic fibres and/or in-organic synthetic fibres cement special north light curves.	each	21.00	600.00	12600.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	130.00	520.00	
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00	
1208	Bitumen washer	100 Nos	0.40	30.00	12.00	
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.27	22.43	
9999	Sundries	L.S.	6.24	2.27	14.16	
	LABOUR					
0130	Mistry	day	0.10	897.00	89.70	
0112	Carpenter 2nd class	day	0.30	816.00	244.80	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				14253.09	W
	Add 1 % Water charges on “W”				142.53	
	TOTAL				14395.62	X
	Add GST on “X” (multiplying factor 0.2127)				3061.95	
	TOTAL				17457.57	Y
	Add 15% CPOH on “Y”				2618.64	
	TOTAL				20076.21	Z
	Add Cess @ 1% on “Z”				200.76	
	Cost of 20 nos				20276.97	
	Cost of 1.00 no				1013.85	
	Say				1013.85	

12.13.8 S type louvers

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 8.74 metres					
	MATERIAL					
	S type louvers = 5 nos.+					
	Add 5% wastage = 0.25 nos.					
	Total = 5.25 nos.					
0235	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement S type louvers.	each	5.25	280.00	1470.00	
9977	Carriage	L.S.	10.79	2.27	24.49	
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with4 galvanised steel nuts	each	6.00	20.00	120.00	
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	6.00	6.00	36.00	
1208	Bitumen washer	100 Nos	0.18	30.00	5.40	
1210	G.I. plain washer thin	100 Nos	0.36	21.00	7.56	
9977	Carriage of bolts and nuts and washers	L.S.	2.73	2.27	6.20	
9999	Sundries	L.S.	13.39	2.27	30.40	
	LABOUR					
0111	Carpenter 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
0102	Blacksmith 1st class	day	0.12	897.00	107.64	
	TOTAL				3440.69	W
	Add 1 % Water charges on “W”				34.41	
	TOTAL				3475.10	X
	Add GST on “X” (multiplying factor 0.2127)				739.15	
	TOTAL				4214.25	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				632.14	
	TOTAL				4846.39	Z
	Add Cess @ 1% on "Z"				48.46	
	Cost of 8.74 metres				4894.85	
	Cost of 1.00 metre				560.05	
	Say				560.05	

12.14 Providing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing G.S. sheets gutters with purlins.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 200 metre					
	MATERIAL					
	Flat 50x3mm size					
1008	Flats upto 10 mm in thickness	quintal	1.163	5450.00	6338.35	
1025	Mild stel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	38.000	10.00	380.00	
1210	G.I. plain washer thin	100 Nos	1.900	21.00	39.90	
9999	Sundries	L.S.	10.400	2.27	23.61	
0102	Blacksmith 1st class	day	3.800	897.00	3408.60	
0114	Beldar	day	3.800	736.00	2796.80	
	TOTAL				12987.26	W
	Add 1 % Water charges on "W"				129.87	
	TOTAL				13117.13	X
	Add GST on "X" (multiplying factor 0.2127)				2790.01	
	TOTAL				15907.14	Y
	Add 15% CPOH on "Y"				2386.07	
	TOTAL				18293.21	Z
	Add Cess @ 1% on "Z"				182.93	
	Cost of 200 metre				18476.14	
	Cost of 1.00 metre				92.38	
	Say				92.40	

12.15 Painting top of roofs with bitumen of approved quality @ 17kg per 10 sqm impregnated with a coat of coarse sand at 60 cudm per 10 sqm, including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete :

12.15.1 With residual type petroleum bitumen of grade VG -10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Sqm.					
	MATERIAL					
	Bitumen 80/100					
0309	Paving bitumen VG-10 of approved quality	tonne	0.017	33530.00	570.01	
0771	Kerosene oil	litre	1.22	50.00	61.00	
0370	Coal (steam)	quintal	0.035	500.00	17.50	
2211	Carriage of Tar bitumen	tonne	0.017	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.06	1450.00	87.00	
2203	Carriage of Coarse sand	cum	0.06	0.00	0.00	
	LABOUR					
0114	Beldar	day	0.38	736.00	279.68	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	(for cleaning the surface, applying kerosene oil, heating materials and carrying the hot tar over the roof					
0131	Painter	day	0.15	816.00	122.40	
9999	Sundries (Brushes and T and P)	L.S.	13.52	2.27	30.69	
	TOTAL				1168.28	W
	Add 1 % Water charges on “W”				11.68	
	TOTAL				1179.96	X
	Add GST on “X” (multiplying factor 0.2127)				250.98	
	TOTAL				1430.94	Y
	Add 15% CPOH on “Y”				214.64	
	TOTAL				1645.58	Z
	Add Cess @ 1% on “Z”				16.46	
	Cost of 10.00 sqm.				1662.04	
	Cost of 1 Sqm.				166.20	
	Say				166.20	

12.16 10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow dung) and covered with flat tile bricks, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat:

12.16.1 With common burnt clay F.P.S.(non modular) brick tile of class designation 10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for (mud phaska) 10.00sqm.					
	MATERIAL					
	Mud Phuska = 1.048 cum. +					
	Wastage 20% = 0.209 = 1.257 cum.					
0811	Mud (dry)	cum	1.257	190.00	238.83	
	Mud mortar for 25 mm thick plaster over phuska					
3.18	Rate as per Item Number 3.18 of SH: Mortars	cum	0.263	940.55	247.36	
	Bhusa 0.263x35 = 9.20 +					
	5% wastage = 0.46					
	Total = 9.66 Kg. say 10 kg = 0.1 q					
0308	Bhusa	quintal	0.10	530.00	53.00	
9999	Cowdung	L.S.	5.33	2.27	12.10	
9999	Mud mortar for gobri leaping	L.S.	8.06	2.27	18.30	
9977	Carriage of bhusa and cowdung	L.S.	2.73	2.27	6.20	
	Tile bricks 22.9x11.4x4.4cm of designation 100					
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.38	4750.00	1805.00	
2207	Carriage of Brick tiles	1000 Nos	0.38	0.00	0.00	
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)					
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.061	4379.05	267.12	
	Integral water proofing compound 2% by weight of cement					
1213	Water proofing materials	kilogram	0.006	45.00	0.27	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0124	Mason 2nd class	day	1.30	816.00	1060.80	
0114	Beldar	day	3.75	736.00	2760.00	
0101	Bhisti	day	1.10	816.00	897.60	
	TOTAL				7381.93	W
	Add 1 % Water charges on “W”				73.82	
	TOTAL				7455.75	X
	Add GST on “X” (multiplying factor 0.2127)				1585.84	
	TOTAL				9041.59	Y
	Add 15% CPOH on “Y”				1356.24	
	TOTAL				10397.83	Z
	Add Cess @ 1% on “Z”				103.98	
	Cost of 10.00 sqm.				10501.81	
	Cost of 1 Sqm.				1050.18	
	Say				1050.20	

12.17 10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar with bhusha @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow-dung) and covered with machine moulded tile bricks, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat.

12.17.1 With machine moulded common burnt clay F.P.S. (non modular) brick tiles of class designation 12.5, conforming to IS 2690

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for (mud) 10.00sqm.					
	MATERIAL					
	Mud Phuska = 1.048 cum.					
	Wastage 20% = 0.209					
	Total = 1.257 cum.					
0811	Mud (dry)	cum	1.257	190.00	238.83	
	Mud mortar for 25 mm thick plaster over phuska					
3.18	Rate as per Item Number 3.18 of SH: Mortars	cum	0.263	940.55	247.36	
	Bhusa 0.263x35 = 9.20					
	5% wastage = 0.46					
	Total = 9.66 Kg. say 10 kg = 0.1 q					
0308	Bhusa	quintal	0.10	530.00	53.00	
9999	Cowdung	L.S.	5.33	2.27	12.10	
9999	Mud mortar for gobri leaping	L.S.	8.06	2.27	18.30	
9977	Carriage of bhusa and cowdung	L.S.	2.73	2.27	6.20	
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	0.38	5200.00	1976.00	
2207	Carriage of Brick tiles	1000 Nos	0.38	0.00	0.00	
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)					
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.061	4379.05	267.12	
	Integral water proofing compound 2% by weight of cement					
1213	Water proofing materials	kilogram	0.006	45.00	0.27	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0124	Mason 2nd class	day	1.30	816.00	1060.80	
0114	Beldar	day	3.75	736.00	2760.00	
0101	Bhisti	day	1.10	816.00	897.60	
	TOTAL				7552.93	W
	Add 1 % Water charges on “W”				75.53	
	TOTAL				7628.46	X
	Add GST on “X” (multiplying factor 0.2127)				1622.57	
	TOTAL				9251.03	Y
	Add 15% CPOH on “Y”				1387.65	
	TOTAL				10638.68	Z
	Add Cess @ 1% on “Z”				106.39	
	Cost of 10.00 sqm.				10745.07	
	Cost of 1 Sqm.				1074.51	
	Say				1074.50	

12.18 Extra for every additional 1 cm thickness of mud phaska.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 10 sqm MATERIAL For 10 cm thickness Mud Phuska = 1.048 cum. + Wastage 20% = 0.209 = 1.257 cum. Quantity for 1 cm thickness 1.257/10 = 0.1257 cum say 0.13 cum					
0811	Mud (dry)	cum	0.13	190.00	24.70	
0114	Beldar	day	0.07	736.00	51.52	
0101	Bhisti	day	0.04	816.00	32.64	
9999	Labour for leaping and carring to roof	L.S.	26.91	2.27	61.09	
	TOTAL				169.95	W
	Add 1 % Water charges on “W”				1.70	
	TOTAL				171.65	X
	Add GST on “X” (multiplying factor 0.2127)				36.51	
	TOTAL				208.16	Y
	Add 15% CPOH on “Y”				31.22	
	TOTAL				239.38	Z
	Add Cess @ 1% on “Z”				2.39	
	Cost of 10.00 sqm.				241.77	
	Cost of 1 Sqm.				24.18	
	Say				24.20	

12.19 Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat:

12.19.1 With common burnt clay F.P.S. (non modular) brick tiles of class designation 10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
1984	Common burnt clay F.P.S. (non modular) bricks tile class designation 10	1000 Nos	0.38	4750.00	1805.00	
2207	Carriage of Brick tiles	1000 Nos	0.38	0.00	0.00	
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)					
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.179	4379.05	783.85	
	Integral water proofing compound 2% by weight of cement					
1213	Water proofing materials	kilogram	0.005	45.00	0.23	
	LABOUR					
0124	Mason 2nd class	day	0.81	816.00	660.96	
0115	Coolie	day	1.08	736.00	794.88	
0101	Bhisti	day	0.27	816.00	220.32	
9999	Sundries	L.S.	1.82	2.27	4.13	
	TOTAL				4269.37	W
	Add 1 % Water charges on “W”				42.69	
	TOTAL				4312.06	X
	Add GST on “X” (multiplying factor 0.2127)				917.18	
	TOTAL				5229.24	Y
	Add 15% CPOH on “Y”				784.39	
	TOTAL				6013.63	Z
	Add Cess @ 1% on “Z”				60.14	
	Cost of 10.00 sqm.				6073.77	
	Cost of 1 Sqm.				607.38	
	Say				607.40	

12.20 Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
7266	Pressed clay tiles 20 mm thick 250 x 250 mm size	1000 Nos	0.16	8800.00	1408.00	
2207	Carriage of Brick tiles	1000 Nos	0.16	0.00	0.00	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.037	4211.70	155.83	
	Integral water proofing compound 2% by weight of cement					
1213	Water proofing materials	kilogram	0.01	45.00	0.45	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	4211.70	943.42	
	LABOUR					
0123	Mason 1st class	day	0.60	897.00	538.20	
0114	Beldar	day	2.60	736.00	1913.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				4989.01	W
	Add 1 % Water charges on “W”				49.89	
	TOTAL				5038.90	X
	Add GST on “X” (multiplying factor 0.2127)				1071.77	
	TOTAL				6110.67	Y
	Add 15% CPOH on “Y”				916.60	
	TOTAL				7027.27	Z
	Add Cess @ 1% on “Z”				70.27	
	Cost of 10.00 sqm.				7097.54	
	Cost of 1 Sqm.				709.75	
	Say				709.75	

12.21 Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :

12.21.1 In 75x75 mm deep chase

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 metre cement concrete					
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.836	1400.00	1170.40	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.836	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.418	1450.00	606.10	
2203	Carriage of Coarse sand	cum	0.418	0.00	0.00	
0367	Portland Cement (OPC-43 grade)	tonne	0.300	5156.00	1546.80	
2209	Carriage of Cement	tonne	0.300	0.00	0.00	
0114	Beldar	day	0.850	736.00	625.60	
0115	Coolie	day	0.560	736.00	412.16	
0101	Bhisti	day	0.250	816.00	204.00	
0123	Mason 1st class	day	0.050	897.00	44.85	
0124	Mason 2nd class	day	0.050	816.00	40.80	
0128	Mate	day	0.037	816.00	30.19	
9999	Hire and running charge of mechanical mixer	L.S.	24.700	2.27	56.07	
9999	Sundries	L.S.	13.000	2.27	29.51	
0123	Mason 1st class	day	1.500	897.00	1345.50	
0124	Mason 2nd class	day	1.500	816.00	1224.00	
9999	Sundries	L.S.	50.700	2.27	115.09	
0123	Mason 1st class	day	2.500	897.00	2242.50	
0124	Mason 2nd class	day	2.500	816.00	2040.00	
0114	Beldar	day	10.000	736.00	7360.00	
9977	Carriage	L.S.	80.600	2.27	182.96	
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)					
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.090	4379.05	394.11	
0155	Mason (average)	day	0.810	857.00	694.17	
0115	Coolie	day	1.010	736.00	743.36	
0101	Bhisti	day	0.330	816.00	269.28	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Hire and running charges of mechanical mixer	L.S.	16.900	2.27	38.36	
9999	Sundries	L.S.	14.300	2.27	32.46	
	TOTAL				21448.27	W
	Add 1 % Water charges on “W”				214.48	
	TOTAL				21662.75	X
	Add GST on “X” (multiplying factor 0.2127)				4607.67	
	TOTAL				26270.42	Y
	Add 15% CPOH on “Y”				3940.56	
	TOTAL				30210.98	Z
	Add Cess @ 1% on “Z”				302.11	
	Cost of 100 metre				30513.09	
	Cost of 1.00 metre				305.13	
	Say				305.15	

12.22 Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 nos.					
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.067	1425.00	95.48	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.022	1400.00	30.80	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.089	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.044	1450.00	63.80	
2203	Carriage of Coarse sand	cum	0.044	0.00	0.00	
0367	Portland Cement (OPC-43 grade)	tonne	0.032	5156.00	164.99	
2209	Carriage of Cement	tonne	0.032	0.00	0.00	
0114	Beldar	day	0.090	736.00	66.24	
0115	Coolie	day	0.060	736.00	44.16	
0101	Bhisti	day	0.027	816.00	22.03	
0123	Mason 1st class	day	0.005	897.00	4.49	
0124	Mason 2nd class	day	0.005	816.00	4.08	
0128	Mate	day	0.004	816.00	3.26	
9999	Hire and running charge of mechanical mixer	L.S.	2.600	2.27	5.90	
9999	Sundries	L.S.	1.300	2.27	2.95	
3002	Polyvinyle chloride sheet 400 micron thick	sqm	10.000	47.00	470.00	
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.041	4881.95	200.16	
0155	Mason (average)	day	0.235	857.00	201.40	
0115	Coolie	day	0.235	736.00	172.96	
0101	Bhisti	day	0.078	816.00	63.65	
9999	Sundries	L.S.	3.900	2.27	8.85	
0367	Portland Cement (OPC-43 grade)	tonne	0.006	5156.00	30.94	
2209	Carriage of Cement	tonne	0.006	0.00	0.00	
0155	Mason (average)	day	0.080	857.00	68.56	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0115	Coolie	day	0.080	736.00	58.88	
9999	Rounding of edges and making outlet	L.S.	2.600	2.27	5.90	
9999	Sundries	L.S.	135.200	2.27	306.90	
	TOTAL				2096.38	W
	Add 1 % Water charges on “W”				20.96	
	TOTAL				2117.34	X
	Add GST on “X” (multiplying factor 0.2127)				450.36	
	TOTAL				2567.70	Y
	Add 15% CPOH on “Y”				385.16	
	TOTAL				2952.86	Z
	Add Cess @ 1% on “Z”				29.53	
	Cost of 10 nos.				2982.39	
	Cost of 1 no.				298.24	
	Say				298.25	

12.23 Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete :

12.23.1 Red sand stone slab

12.23.1.1 40 to 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
1174	Red sand stone slab 45 mm and 50 mm thick (un-dressed) including wastage @ 10% = 110 sqm	sqm	110.000	340.00	37400.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	12.700	0.00	0.00	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.095	4211.70	400.11	
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)					
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.075	4379.05	328.43	
	LABOUR					
0155	Mason (average)	day	15.200	857.00	13026.40	
0100	Bandhani	day	18.200	816.00	14851.20	
0115	Coolie	day	15.200	736.00	11187.20	
0101	Bhisti	day	3.000	816.00	2448.00	
9999	Sundries	L.S.	161.200	2.27	365.92	
	TOTAL				80007.26	W
	Add 1 % Water charges on “W”				800.07	
	TOTAL				80807.33	X
	Add GST on “X” (multiplying factor 0.2127)				17187.72	
	TOTAL				97995.05	Y
	Add 15% CPOH on “Y”				14699.26	
	TOTAL				112694.31	Z
	Add Cess @ 1% on “Z”				1126.94	
	Cost of 100 sqm.				113821.25	
	Cost of 1 Sqm.				1138.21	
	Say				1138.20	

12.23.2 White sand stone slab

12.23.2.1 40 to 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
1175	White sand stone slab 45 mm and 50 mm thick (un-dressed) including wastage @ 10% = 110 sqm	sqm	110.000	320.00	35200.00	
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	12.700	0.00	0.00	
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)					
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.095	4211.70	400.11	
	LABOUR					
0155	Mason (average)	day	15.200	857.00	13026.40	
0100	Bandhani	day	18.200	816.00	14851.20	
0115	Coolie	day	15.200	736.00	11187.20	
0101	Bhisti	day	3.000	816.00	2448.00	
9999	Sundries	L.S.	161.200	2.27	365.92	
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)					
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.075	4379.05	328.43	
	TOTAL				77807.26	W
	Add 1 % Water charges on “W”				778.07	
	TOTAL				78585.33	X
	Add GST on “X” (multiplying factor 0.2127)				16715.10	
	TOTAL				95300.43	Y
	Add 15% CPOH on “Y”				14295.06	
	TOTAL				109595.49	Z
	Add Cess @ 1% on “Z”				1095.95	
	Cost of 100 sqm.				110691.44	
	Cost of 1 Sqm.				1106.91	
	Say				1106.90	

12.24 Providing and fixing insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) :

12.24.1 Natural colour insulating board

12.24.1.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0332	Natural colour insulating board:12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	231.00	2541.00	
9977	Carriage of material	L.S.	17.55	2.27	39.84	
9999	Nails	L.S.	26.91	2.27	61.09	
	LABOUR					
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.00	736.00	1472.00	
9999	Scaffolding	L.S.	31.07	2.27	70.53	
9999	Sundries	L.S.	31.07	2.27	70.53	
	TOTAL				6497.49	W
	Add 1 % Water charges on “W”				64.97	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				6562.46	X
	Add GST on “X” (multiplying factor 0.2127)				1395.84	
	TOTAL				7958.30	Y
	Add 15% CPOH on “Y”				1193.75	
	TOTAL				9152.05	Z
	Add Cess @ 1% on “Z”				91.52	
	Cost of 10.00 sqm.				9243.57	
	Cost of 1.00 sqm.				924.36	
	Say				924.35	

12.24.2 White face insulating board

12.24.2.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0328	White face insulating board:12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	258.00	2838.00	
9977	Carriage of material	L.S.	17.55	2.27	39.84	
9999	Nails	L.S.	26.91	2.27	61.09	
	LABOUR					
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.00	736.00	1472.00	
9999	Scaffolding	L.S.	31.07	2.27	70.53	
9999	Sundries	L.S.	31.07	2.27	70.53	
	TOTAL				6794.49	W
	Add 1 % Water charges on “W”				67.94	
	TOTAL				6862.43	X
	Add GST on “X” (multiplying factor 0.2127)				1459.64	
	TOTAL				8322.07	Y
	Add 15% CPOH on “Y”				1248.31	
	TOTAL				9570.38	Z
	Add Cess @ 1% on “Z”				95.70	
	Cost of 10.00 sqm.				9666.08	
	Cost of 1.00 sqm.				966.61	
	Say				966.60	

12.24.3 Flame retardant face insulating board

12.24.3.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0336	Flame retardent face insulating board: 12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	357.00	3927.00	
9977	Carriage of material	L.S.	17.55	2.27	39.84	
9999	Nails	L.S.	26.91	2.27	61.09	
	LABOUR					
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.00	736.00	1472.00	
9999	Scaffolding	L.S.	31.07	2.27	70.53	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries	L.S.	31.07	2.27	70.53	
	TOTAL				7883.49	W
	Add 1 % Water charges on “W”				78.83	
	TOTAL				7962.32	X
	Add GST on “X” (multiplying factor 0.2127)				1693.59	
	TOTAL				9655.91	Y
	Add 15% CPOH on “Y”				1448.39	
	TOTAL				11104.30	Z
	Add Cess @ 1% on “Z”				111.04	
	Cost of 10.00 sqm.				11215.34	
	Cost of 1.00 sqm.				1121.53	
	Say				1121.55	

12.25 Providing and fixing flat pressed 3 layer medium density particle board or graded particle board (Grade I) IS: 3087 marked, in ceiling with necessary nails etc. complete (frame work to be paid separately):

12.25.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0341	Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	325.00	3575.00	
9977	Carriage	L.S.	14.95	2.27	33.94	
9999	Nails	L.S.	26.91	2.27	61.09	
	LABOUR					
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.00	736.00	1472.00	
9999	Scaffolding	L.S.	31.07	2.27	70.53	
9999	Sundries	L.S.	31.07	2.27	70.53	
	TOTAL				7525.59	W
	Add 1 % Water charges on “W”				75.26	
	TOTAL				7600.85	X
	Add GST on “X” (multiplying factor 0.2127)				1616.70	
	TOTAL				9217.55	Y
	Add 15% CPOH on “Y”				1382.63	
	TOTAL				10600.18	Z
	Add Cess @ 1% on “Z”				106.00	
	Cost of 10.00 sqm.				10706.18	
	Cost of 1.00 sqm.				1070.62	
	Say				1070.60	

12.26 Providing and fixing plain multipurpose cement board(Hight pressure steam cured) with suitable screws for cement particle board in ceiling etc. complete (frame work to be paid seperatately).

12.26.1 6 mm thick Cement fiber board, Type-B, Category-III as per IS: 14862 : 2000

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0236	Fibre reinforced by organic fibres and/or inorganic synthetic fibres cement board 6mm thick, Type-B, Category-III as per IS: 14862 : 2000 including 10% wastage = 11.00 sqm	sqm	11.00	230.00	2530.00	
9977	Carriage	L.S.	14.95	2.27	33.94	
9999	Nails	L.S.	26.91	2.27	61.09	
	LABOUR					
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.00	736.00	1472.00	
9999	Scaffolding	L.S.	31.07	2.27	70.53	
9999	Sundries	L.S.	31.07	2.27	70.53	
	TOTAL				6480.59	W
	Add 1 % Water charges on “W”				64.81	
	TOTAL				6545.40	X
	Add GST on “X” (multiplying factor 0.2127)				1392.21	
	TOTAL				7937.61	Y
	Add 15% CPOH on “Y”				1190.64	
	TOTAL				9128.25	Z
	Add Cess @ 1% on “Z”				91.28	
	Cost of 10.00 sqm.				9219.53	
	Cost of 1.00 sqm.				921.95	
	Say				921.95	

12.26.2 6 mm thick Cement bonded wood particle board as per IS:14276

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	MATERIAL					
0242	6 mm thick multi purpose cement bonded wood particle board 10.00 sqm + 1.00 sqm (Add wastage 10%) Total = 11.00 sqm	sqm	11.00	210.00	2310.00	
9977	Carriage	L.S.	14.95	2.27	33.94	
9999	Nails	L.S.	26.91	2.27	61.09	
	LABOUR					
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.00	736.00	1472.00	
9999	Scaffolding	L.S.	31.07	2.27	70.53	
9999	Sundries	L.S.	31.07	2.27	70.53	
	TOTAL				6260.59	W
	Add 1 % Water charges on “W”				62.61	
	TOTAL				6323.20	X
	Add GST on “X” (multiplying factor 0.2127)				1344.94	
	TOTAL				7668.14	Y
	Add 15% CPOH on “Y”				1150.22	
	TOTAL				8818.36	Z
	Add Cess @ 1% on “Z”				88.18	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 10 sqm				8906.54	
	Cost of 1 sqm				890.65	
	Say				890.65	

12.27 Extra for Circular cutting including wastages in ceiling with:

12.27.1 2nd class teak wood planks 20 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes of 0.5m dia each (15.71m) MATERIAL 0.5 metre dia. each = 10x22/7x0.5=15.71m Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. + Wastage @ 10% = 0.19 sqm. = 2.15 sqm x 20mm = 0.043 cum					
1190	Second class teak wood in planks	10 cudm	4.30	791.00	3401.30	
2204	Carriage of Timber	cum	0.041	0.00	0.00	
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.31	62.00	19.22	
	LABOUR					
0111	Carpenter 1st class	day	2.65	897.00	2377.05	
0112	Carpenter 2nd class	day	0.145	816.00	118.32	
0114	Beldar	day	2.79	736.00	2053.44	
9999	Scaffolding	L.S.	7.8	2.27	17.71	
9999	Sundries	L.S.	14.69	2.27	33.35	
	TOTAL				8020.39	W
	Add 1 % Water charges on “W”				80.20	
	TOTAL				8100.59	X
	Add GST on “X” (multiplying factor 0.2127)				1723.00	
	TOTAL				9823.59	Y
	Add 15% CPOH on “Y”				1473.54	
	TOTAL				11297.13	Z
	Add Cess @ 1% on “Z”				112.97	
	Cost of 15.71 metre				11410.10	
	Cost of 1.00 metre				726.30	
	Say				726.30	

12.27.2 Natural colour insulating board

12.27.2.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 holes of 0.5m dia each Details of cost for 15.71 metre MATERIAL 0.5 metre dia. each = 10x22/7x0.5=15.71m Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.					
0332	Natural colour insulating board:12 mm thick	sqm	2.15	231.00	496.65	
9977	Carriage	L.S.	3.38	2.27	7.67	
9999	Nails	L.S.	5.33	2.27	12.10	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0111	Carpenter 1st class	day	0.49	897.00	439.53	
0114	Beldar	day	0.39	736.00	287.04	
9999	Scaffolding	L.S.	6.11	2.27	13.87	
9999	Sundries	L.S.	6.11	2.27	13.87	
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.50	736.00	1840.00	
9999	Scaffolding	L.S.	10.79	2.27	24.49	
	TOTAL				5377.72	W
	Add 1 % Water charges on “W”				53.78	
	TOTAL				5431.50	X
	Add GST on “X” (multiplying factor 0.2127)				1155.28	
	TOTAL				6586.78	Y
	Add 15% CPOH on “Y”				988.02	
	TOTAL				7574.80	Z
	Add Cess @ 1% on “Z”				75.75	
	Cost of 15.71 metre				7650.55	
	Cost of 1.00 metre				486.99	
	Say				487.00	

12.27.3 White face insulating board:

12.27.3.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 15.71 metre					
	MATERIAL					
	0.5 metre dia. each = 10x22/7x0.5=15.71m					
	Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. +					
	Wastage @ 10% = 0.19 sqm.					
	Total = 2.15 sqm.					
0328	White face insulating board:12 mm thick	sqm	2.15	258.00	554.70	
9977	Carriage	L.S.	3.38	2.27	7.67	
9999	Nails	L.S.	5.33	2.27	12.10	
	LABOUR					
0111	Carpenter 1st class	day	0.49	897.00	439.53	
0114	Beldar	day	0.39	736.00	287.04	
9999	Scaffolding	L.S.	6.11	2.27	13.87	
9999	Sundries	L.S.	6.11	2.27	13.87	
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.50	736.00	1840.00	
9999	Scaffolding	L.S.	10.79	2.27	24.49	
	TOTAL				5435.77	W
	Add 1 % Water charges on “W”				54.36	
	TOTAL				5490.13	X
	Add GST on “X” (multiplying factor 0.2127)				1167.75	
	TOTAL				6657.88	Y
	Add 15% CPOH on “Y”				998.68	
	TOTAL				7656.56	Z
	Add Cess @ 1% on “Z”				76.57	
	Cost of 15.71 metre				7733.13	
	Cost of 1.00 metre				492.24	
	Say				492.25	

12.27.4 Flame retardant face insulating board:

12.27.4.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 15.71 metre					
	MATERIAL					
	0.5 metre dia. each = 10x22/7x0.5=15.71m					
	Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. +					
	Wastage @ 10% = 0.19 sqm.					
	Total = 2.15 sqm.					
0336	Flame retardent face insulating board: 12 mm thick	sqm	2.15	357.00	767.55	
9977	Carriage	L.S.	3.38	2.27	7.67	
9999	Nails	L.S.	5.33	2.27	12.10	
	LABOUR					
0111	Carpenter 1st class	day	0.49	897.00	439.53	
0114	Beldar	day	0.39	736.00	287.04	
9999	Scaffolding	L.S.	6.11	2.27	13.87	
9999	Sundries	L.S.	6.11	2.27	13.87	
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.50	736.00	1840.00	
9999	Scaffolding	L.S.	10.79	2.27	24.49	
	TOTAL				5648.62	W
	Add 1 % Water charges on “W”				56.49	
	TOTAL				5705.11	X
	Add GST on “X” (multiplying factor 0.2127)				1213.48	
	TOTAL				6918.59	Y
	Add 15% CPOH on “Y”				1037.79	
	TOTAL				7956.38	Z
	Add Cess @ 1% on “Z”				79.56	
	Cost of 15.71 metre				8035.94	
	Cost of 1.00 metre				511.52	
	Say				511.50	

12.27.5 Standard quality hard board sheet:

12.27.5.1 3 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 15.71 metre					
	MATERIAL					
	0.5 metre dia. each = 10x22/7x0.5=15.71m					
	Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. +					
	Wastage @ 10% = 0.19 sqm.					
	Total = 2.15 sqm.					
0994	Standard quality hard board sheet 3 mm thick	sqm	2.15	145.00	311.75	
9977	Carriage	L.S.	2.73	2.27	6.20	
9999	Nails	L.S.	5.33	2.27	12.10	
	LABOUR					
0111	Carpenter 1st class	day	0.49	897.00	439.53	
0114	Beldar	day	0.39	736.00	287.04	
9999	Scaffolding	L.S.	6.11	2.27	13.87	
9999	Sundries	L.S.	6.11	2.27	13.87	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.50	736.00	1840.00	
9999	Scaffolding	L.S.	10.79	2.27	24.49	
	TOTAL				5191.35	W
	Add 1 % Water charges on “W”				51.91	
	TOTAL				5243.26	X
	Add GST on “X” (multiplying factor 0.2127)				1115.24	
	TOTAL				6358.50	Y
	Add 15% CPOH on “Y”				953.78	
	TOTAL				7312.28	Z
	Add Cess @ 1% on “Z”				73.12	
	Cost of 15.71 metre				7385.40	
	Cost of 1.00 metre				470.11	
	Say				470.10	

12.27.5.2 4.5 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 15.71 metre					
	MATERIAL					
	0.5 metre dia. each = 10x22/7x0.5=15.71m					
	Area = 10x(22/7)/4x0.5x0.5 = 1.96sqm. +					
	Wastage @ 10% = 0.19 sqm.					
	Total = 2.15 sqm.					
0996	Standard quality hard board sheet 4.5 mm thick	sqm	2.15	225.00	483.75	
9977	Carriage	L.S.	2.86	2.27	6.49	
9999	Nails	L.S.	5.33	2.27	12.10	
	LABOUR					
0111	Carpenter 1st class	day	0.49	897.00	439.53	
0114	Beldar	day	0.39	736.00	287.04	
9999	Scaffolding	L.S.	6.11	2.27	13.87	
9999	Sundries	L.S.	6.11	2.27	13.87	
0111	Carpenter 1st class	day	2.50	897.00	2242.50	
0114	Beldar	day	2.50	736.00	1840.00	
9999	Scaffolding	L.S.	10.79	2.27	24.49	
	TOTAL				5363.64	W
	Add 1 % Water charges on “W”				53.64	
	TOTAL				5417.28	X
	Add GST on “X” (multiplying factor 0.2127)				1152.26	
	TOTAL				6569.54	Y
	Add 15% CPOH on “Y”				985.43	
	TOTAL				7554.97	Z
	Add Cess @ 1% on “Z”				75.55	
	Cost of 15.71 metre				7630.52	
	Cost of 1.00 metre				485.71	
	Say				485.70	

12.28 Extra for providing and fixing ceiling to curved surfaces in narrow widths

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
	LABOUR					
0111	Carpenter 1st class	day	1.00	897.00	897.00	
0112	Carpenter 2nd class	day	1.00	816.00	816.00	
0114	Beldar	day	2.00	736.00	1472.00	
	TOTAL				3185.00	W
	Add 1 % Water charges on “W”				31.85	
	TOTAL				3216.85	X
	Add GST on “X” (multiplying factor 0.2127)				684.22	
	TOTAL				3901.07	Y
	Add 15% CPOH on “Y”				585.16	
	TOTAL				4486.23	Z
	Add Cess @ 1% on “Z”				44.86	
	Cost of 10.00 sqm.				4531.09	
	Cost of 1.00 sqm.				453.11	
	Say				453.10	

12.31 Providing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level, over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately):

12.31.1 Flat surfaces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10x4.00x2.5=100sqm.					
	MATERIAL					
	Wooden strips of 1st class kail wood 10x72x40x0.25x0.06 = 432 cudm. +					
	Add 10% wastage = 43.2 cudm.					
	Total = 475.2 cudm					
1196	First class kail wood in planks	10 cudm	47.520	300.00	14256.00	
2204	Carriage of Timber	cum	0.475	0.00	0.00	
1219	Wire nails	kilogram	7.500	58.00	435.00	
	required for fixing the laths to frame work including breakage and wastage of nails					
	Rabbit wire mesh required for reinforcement =10x2.5x4 = 100sqm.+					
	Add 2% wastage = 2 sqm.					
	Total = 102 sqm.					
1220	Wire mesh (rabbit)	sqm	102.000	42.00	4284.00	
	Plaster of paris - 10x2.5x4.0x10x1121/1000 = 1121 kg.					
	Add for plaster of paris joining into the side of the laths- 10x2.5x4.0x4.0032x1121/1000 = 448.7 kg.					
	Total = 1569.7+					
	Add 40% wastage = 627.9					
	Total = 2197.6 kg					
0869	Plaster of Paris	kilogram	2197.600	7.00	15383.20	
2308	Carriage of Plaster of paris	tonne	2.200	0.00	0.00	
9977	Carriage of wiremesh and nails etc.	L.S.	27.300	2.27	61.97	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0111	Carpenter 1st class	day	16.000	897.00	14352.00	
0114	Beldar	day	16.000	736.00	11776.00	
	For doing plaster of paris over wooden strips					
0122	Mason (for plaster of paris work) 1st class	day	32.300	897.00	28973.10	
0114	Beldar	day	32.300	736.00	23772.80	
0101	Bhisti	day	5.400	816.00	4406.40	
9999	Scaffolding	L.S.	839.800	2.27	1906.35	
9999	Sundries	L.S.	538.200	2.27	1221.71	
	TOTAL				120828.53	W
	Add 1 % Water charges on “W”				1208.29	
	TOTAL				122036.82	X
	Add GST on “X” (multiplying factor 0.2127)				25957.23	
	TOTAL				147994.05	Y
	Add 15% CPOH on “Y”				22199.11	
	TOTAL				170193.16	Z
	Add Cess @ 1% on “Z”				1701.93	
	Cost of 100 sqm.				171895.09	
	Cost of 1.00 sqm.				1718.95	
	Say				1718.95	

12.31.2 Curved surfaces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10x4.00x2.5=100sqm.					
	MATERIAL					
	Wooden strips of 1st class kail wood 10x72x40x0.25x0.06 = 432 cudm. +					
	Add 10% wastage = 43.2 cudm.					
	Total = 475.2 cudm					
1196	First class kail wood in planks	10 cudm	47.520	300.00	14256.00	
2204	Carriage of Timber	cum	0.475	0.00	0.00	
1219	Wire nails	kilogram	7.500	58.00	435.00	
	required for fixing the laths to frame work including breakage and wastage of nails					
	Rabbit wire mesh required for reinforcement =10x2.5x4 = 100sqm.+					
	Add 2% wastage = 2 sqm.					
	Total = 102 sqm.					
1220	Wire mesh (rabbit)	sqm	102.000	42.00	4284.00	
	Plaster of paris -					
	10x2.5x4.0x10x1121/1000 = 1121 kg.					
	Add for plaster of paris joining into the side of the laths-					
	10x2.5x4.0x4.0032x1121/1000 = 448.7 kg.					
	Total = 1569.7+					
	Add 40% wastage = 627.9					
	Total = 2197.6 kg					
0869	Plaster of Paris	kilogram	2197.600	7.00	15383.20	
2308	Carriage of Plaster of paris	tonne	2.200	0.00	0.00	
9977	Carriage of wiremesh and nails etc.	L.S.	27.300	2.27	61.97	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0111	Carpenter 1st class	day	16.000	897.00	14352.00	
0114	Beldar	day	16.000	736.00	11776.00	
0122	Mason (for plaster of paris work) 1st class	day	32.300	897.00	28973.10	
0114	Beldar	day	32.300	736.00	23772.80	
0101	Bhisti	day	5.400	816.00	4406.40	
9999	Scaffolding	L.S.	839.800	2.27	1906.35	
9999	Sundries	L.S.	538.200	2.27	1221.71	
0111	Carpenter 1st class	day	5.000	897.00	4485.00	
0122	Mason (for plaster of paris work) 1st class	day	10.000	897.00	8970.00	
0114	Beldar	day	15.000	736.00	11040.00	
	TOTAL				145323.53	W
	Add 1 % Water charges on “W”				1453.24	
	TOTAL				146776.77	X
	Add GST on “X” (multiplying factor 0.2127)				31219.42	
	TOTAL				177996.19	Y
	Add 15% CPOH on “Y”				26699.43	
	TOTAL				204695.62	Z
	Add Cess @ 1% on “Z”				2046.96	
	Cost of 100 sqm.				206742.58	
	Cost of 1.00 sqm.				2067.43	
	Say				2067.45	

12.32 Extra for sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm.					
0869	Plaster of Paris	kilogram	109.88	7.00	769.16	
2308	Carriage of Plaster of paris	tonne	0.11	0.00	0.00	
	LABOUR					
0122	Mason (for plaster of paris work) 1st class	day	2.00	897.00	1794.00	
0114	Beldar	day	2.00	736.00	1472.00	
0101	Bhisti	day	0.25	816.00	204.00	
9999	Scaffolding and Sundries	L.S.	13.52	2.27	30.69	
	TOTAL				4269.85	W
	Add 1 % Water charges on “W”				42.70	
	TOTAL				4312.55	X
	Add GST on “X” (multiplying factor 0.2127)				917.28	
	TOTAL				5229.83	Y
	Add 15% CPOH on “Y”				784.47	
	TOTAL				6014.30	Z
	Add Cess @ 1% on “Z”				60.14	
	Cost of 10.00 sqm.				6074.44	
	Cost of 1.00 sqm.				607.44	
	Say				607.45	

12.33 Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10sqm/metre height					
9999	Scaffolding	L.S.	13.52	2.27	30.69	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
0122	Mason (for plaster of paris work) 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	1.00	736.00	736.00	
0101	Bhisti	day	0.25	816.00	204.00	
	TOTAL				1867.69	W
	Add 1 % Water charges on “W”				18.68	
	TOTAL				1886.37	X
	Add GST on “X” (multiplying factor 0.2127)				401.23	
	TOTAL				2287.60	Y
	Add 15% CPOH on “Y”				343.14	
	TOTAL				2630.74	Z
	Add Cess @ 1% on “Z”				26.31	
	Cost of 10.00sqm / metre height				2657.05	
	Cost of 1.00 sqm. / metre height				265.71	
	Say				265.70	

12.34 Providing fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Fibre glass wool conforming to IS : 8183, density 24kg / m3, 50mm thick, wrapped in 200 G Virgin Polythene bags, fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5 mm x 24 gauge wire mesh, for top most ceiling of building.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00sqm.					
	Area for 10.00sqm. (Finished surface) = 10.00sqm.+					
	Add 10% for overlappings & wastage = 1.00sqm.					
	Total = 11.00sqm.					
7232	Resin Bonded Glass wool 24 kg/m³ 50 mm thick	sqm	11.00	140.00	1540.00	
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram	L.S.	104.00	2.27	236.08	
9999	GI chiken mesh 12.5mm x 24 SWG	L.S.	351.00	2.27	796.77	
	LABOUR					
0111	Carpenter 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	2.00	736.00	1472.00	
	TOTAL				4941.85	W
	Add 1 % Water charges on “W”				49.42	
	TOTAL				4991.27	X
	Add GST on “X” (multiplying factor 0.2127)				1061.64	
	TOTAL				6052.91	Y
	Add 15% CPOH on “Y”				907.94	
	TOTAL				6960.85	Z
	Add Cess @ 1% on “Z”				69.61	
	Cost of 10.00 sqm.				7030.46	
	Cost of 1.00 sqm.				703.05	
	Say				703.05	

12.35 Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183. Density 16 kg/m³, 50 mm thick, wrapped in 200G Virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00sqm.					
	Area for 10.00sqm. (Finished surface) = 10.00sqm.+					
	Add 10% for overlappings & wastage = 1.00sqm.					
	Total = 11.00sqm.					
7231	Resin Bonded Glass wool 16 kg/m³ 50 mm thick	sqm	11.00	105.00	1155.00	
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram	L.S.	52.00	2.27	118.04	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
	TOTAL				2089.54	W
	Add 1 % Water charges on “W”				20.90	
	TOTAL				2110.44	X
	Add GST on “X” (multiplying factor 0.2127)				448.89	
	TOTAL				2559.33	Y
	Add 15% CPOH on “Y”				383.90	
	TOTAL				2943.23	Z
	Add Cess @ 1% on “Z”				29.43	
	Cost of 10.00 sqm.				2972.66	
	Cost of 1.00 sqm.				297.27	
	Say				297.25	

12.36 Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in-charge:

12.36.1 With Type N - Normal 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00sqm.					
	Cost of materials :					
	Expanded Polystyrens 1x10=10.00sqm. +					
	Add wastage 10% = 1.00sqm.					
	Total = 11.00sqm.					
7090	Expanded polystyrene type N- Normal	sqm	11.00	128.00	1408.00	
0314	Bitumen hot sealing compound : grade A	kilogram	0.25	30.00	7.50	
9999	Sundries	L.S.	13.00	2.27	29.51	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
	TOTAL				2261.51	W
	Add 1 % Water charges on “W”				22.62	
	TOTAL				2284.13	X
	Add GST on “X” (multiplying factor 0.2127)				485.83	
	TOTAL				2769.96	Y
	Add 15% CPOH on “Y”				415.49	
	TOTAL				3185.45	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				31.85	
	Cost of 10.00 sqm.				3217.30	
	Cost of 1.00 sqm.				321.73	
	Say				321.75	

12.36.2 With Type SE - Self Extinguishing type 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.00sqm.					
	Cost of materials :					
	Expanded Polystyrens 1x10=10.00sqm. +					
	Add wastage 10% = 1.00sqm.					
	Total = 11.00sqm.					
7091	Expanded polystyrene type - SE	sqm	11.00	148.00	1628.00	
0314	Bitumen hot sealing compound : grade A	kilogram	0.25	30.00	7.50	
9999	Sundries	L.S.	13.00	2.27	29.51	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
	TOTAL				2481.51	W
	Add 1 % Water charges on “W”				24.82	
	TOTAL				2506.33	X
	Add GST on “X” (multiplying factor 0.2127)				533.10	
	TOTAL				3039.43	Y
	Add 15% CPOH on “Y”				455.91	
	TOTAL				3495.34	Z
	Add Cess @ 1% on “Z”				34.95	
	Cost of 10.00 sqm.				3530.29	
	Cost of 1 sqm.				353.03	
	Say				353.05	

12.37 Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand).

12.37.1 Stone ware spout

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 stone ware spout of 60cm long					
	MATERIAL					
3004	Stone ware spouts 100 mm dia 60 cm long	each	10.00	46.00	460.00	
9977	CARRIAGE	L.S.	13.52	2.27	30.69	
9999	Mortar	L.S.	13.52	2.27	30.69	
	Labour for fixing and placing in position					
0124	Mason 2nd class	day	0.40	816.00	326.40	
0114	Beldar	day	0.40	736.00	294.40	
9999	Sundries	L.S.	5.33	2.27	12.10	
	TOTAL				1154.28	W
	Add 1 % Water charges on “W”				11.54	
	TOTAL				1165.82	X
	Add GST on “X” (multiplying factor 0.2127)				247.97	
	TOTAL				1413.79	Y
	Add 15% CPOH on “Y”				212.07	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				1625.86	Z
	Add Cess @ 1% on "Z"				16.26	
	Cost of 10.00 spouts				1642.12	
	Cost of 1.00 spout				164.21	
	Say				164.20	

12.38 Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. :

12.38.1 100 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 50 nos.					
	MATERIAL					
1331	M.S.Holder bat clamp of approved design for 100 mm S.C.I. pipe C.C. block 50x0.1x0.1x0.1 = 0.05 cum	each	50.000	27.00	1350.00	
9977	Carriage of bat clamps	L.S.	24.700	2.27	56.07	
9999	Sundries	L.S.	71.500	2.27	162.31	
	LABOUR					
0116	Fitter (grade 1)	day	1.250	897.00	1121.25	
0124	Mason 2nd class	day	7.500	816.00	6120.00	
0114	Beldar	day	5.000	736.00	3680.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.033	1425.00	47.03	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.011	1400.00	15.40	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.044	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.022	1450.00	31.90	
2203	Carriage of Coarse sand	cum	0.022	0.00	0.00	
0367	Portland Cement (OPC-43 grade)	tonne	0.016	5156.00	82.50	
2209	Carriage of Cement	tonne	0.016	0.00	0.00	
0114	Beldar	day	0.045	736.00	33.12	
0115	Coolie	day	0.032	736.00	23.55	
0101	Bhisti	day	0.014	816.00	11.42	
0123	Mason 1st class	day	0.003	897.00	2.69	
0124	Mason 2nd class	day	0.003	816.00	2.45	
0128	Mate	day	0.002	816.00	1.63	
9999	Hire charges of machine etc.	L.S.	2.600	2.27	5.90	
9999	Sundries	L.S.	1.300	2.27	2.95	
9999	Sundries	L.S.	1.300	2.27	2.95	
	TOTAL				12753.12	W
	Add 1 % Water charges on "W"				127.53	
	TOTAL				12880.65	X
	Add GST on "X" (multiplying factor 0.2127)				2739.71	
	TOTAL				15620.36	Y
	Add 15% CPOH on "Y"				2343.05	
	TOTAL				17963.41	Z
	Add Cess @ 1% on "Z"				179.63	
	Cost of 50 bat clamps				18143.04	
	Cost of 1.00 bat clamp				362.86	
	Say				362.85	

12.38.2 150 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 50 nos.					
	MATERIAL					
0886	Standard holdar bat clamps for sand cast iron or cast iron pipes 150 mm dia C.C. block 50x0.1x0.1x0.1 = 0.05 cum	each	50.000	50.00	2500.00	
9977	Carriage of bat clamps	L.S.	24.700	2.27	56.07	
9999	Sundries	L.S.	71.500	2.27	162.31	
	LABOUR					
0116	Fitter (grade 1)	day	1.250	897.00	1121.25	
0124	Mason 2nd class	day	7.500	816.00	6120.00	
0114	Beldar	day	5.000	736.00	3680.00	
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.033	1425.00	47.03	
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.011	1400.00	15.40	
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.044	0.00	0.00	
0982	Coarse sand (zone III)	cum	0.022	1450.00	31.90	
2203	Carriage of Coarse sand	cum	0.022	0.00	0.00	
0367	Portland Cement (OPC-43 grade)	tonne	0.016	5156.00	82.50	
2209	Carriage of Cement	tonne	0.016	0.00	0.00	
0114	Beldar	day	0.045	736.00	33.12	
0115	Coolie	day	0.032	736.00	23.55	
0101	Bhisti	day	0.014	816.00	11.42	
0123	Mason 1st class	day	0.003	897.00	2.69	
0124	Mason 2nd class	day	0.003	816.00	2.45	
0128	Mate	day	0.002	816.00	1.63	
9999	Hire charges of machine etc.	L.S.	2.600	2.27	5.90	
9999	Sundries	L.S.	1.300	2.27	2.95	
9999	Sundries	L.S.	1.300	2.27	2.95	
	TOTAL				13903.12	W
	Add 1 % Water charges on “W”				139.03	
	TOTAL				14042.15	X
	Add GST on “X” (multiplying factor 0.2127)				2986.77	
	TOTAL				17028.92	Y
	Add 15% CPOH on “Y”				2554.34	
	TOTAL				19583.26	Z
	Add Cess @ 1% on “Z”				195.83	
	Cost of 50 bat clamps				19779.09	
	Cost of 1.00 bat clamp				395.58	
	Say				395.60	

12.39 Providing lead caulked joints to sand cast iron rain water pipes and fittings:

12.39.1 100 mm dia Pipe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one joint.					
	MATERIAL					
0865	Pig lead	kilogram	0.98	180.00	176.40	
1001	Spun yarn	kilogram	0.11	60.00	6.60	
9999	Kerosene oil fuel and sundries	L.S.	13.52	2.27	30.69	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage of materials	L.S.	1.43	2.27	3.25	
	LABOUR					
0116	Fitter (grade 1)	day	0.06	897.00	53.82	
0117	Assistant Fitter or 2nd class Fitter	day	0.06	816.00	48.96	
0114	Beldar	day	0.12	736.00	88.32	
	TOTAL				408.04	W
	Add 1 % Water charges on “W”				4.08	
	TOTAL				412.12	X
	Add GST on “X” (multiplying factor 0.2127)				87.66	
	TOTAL				499.78	Y
	Add 15% CPOH on “Y”				74.97	
	TOTAL				574.75	Z
	Add Cess @ 1% on “Z”				5.75	
	Cost of 1.00 joint				580.50	
	Say				580.50	

12.39.2 150 mm dia Pipe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one joint.					
	MATERIAL					
0865	Pig lead	kilogram	1.48	180.00	266.40	
1001	Spun yarn	kilogram	0.17	60.00	10.20	
9999	Kerosene oil fuel and sundries	L.S.	13.52	2.27	30.69	
9977	Carriage of materials	L.S.	2.73	2.27	6.20	
	LABOUR					
0116	Fitter (grade 1)	day	0.08	897.00	71.76	
0117	Assistant Fitter or 2nd class Fitter	day	0.08	816.00	65.28	
0114	Beldar	day	0.15	736.00	110.40	
	TOTAL				560.93	W
	Add 1 % Water charges on “W”				5.61	
	TOTAL				566.54	X
	Add GST on “X” (multiplying factor 0.2127)				120.50	
	TOTAL				687.04	Y
	Add 15% CPOH on “Y”				103.06	
	TOTAL				790.10	Z
	Add Cess @ 1% on “Z”				7.90	
	Cost of 1.00 joint				798.00	
	Say				798.00	

12.40 Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately):

12.40.1 Sand cast iron plain shoes :

12.40.1.1 150 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for one shoe					
0966	Sand Cast iron plain shoe 150 mm dia	each	1.00	320.00	320.00	
9988	Carriage, fixing and mortar	L.S.	17.55	2.27	39.84	
	TOTAL				359.84	W
	Add 1 % Water charges on “W”				3.60	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				363.44	X
	Add GST on “X” (multiplying factor 0.2127)				77.30	
	TOTAL				440.74	Y
	Add 15% CPOH on “Y”				66.11	
	TOTAL				506.85	Z
	Add Cess @ 1% on “Z”				5.07	
	Cost of one shoe				511.92	
	Say				511.90	

12.41 Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.

12.41.1 75 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.00 metres					
7188	U-PVC pipes (working pressure 4 kg / sqcm.) Single socketed pipe 75 mm dia.	metre	6.00	74.00	444.00	
7190	U-PVC pipes (working pressure 4 kg /sqcm.) Rubber (Seal) Ring 75 mm dia.	each	1.00	9.00	9.00	
9977	Carriage of materials	L.S.	13.52	2.27	30.69	
9999	Adhesive, and sundries etc.	L.S.	6.76	2.27	15.35	
	LABOUR					
0116	Fitter (grade 1)	day	0.19	897.00	170.43	
0114	Beldar	day	0.37	736.00	272.32	
0100	Bandhani	day	0.08	816.00	65.28	
9999	Scaffolding etc.	L.S.	18.59	2.27	42.20	
	TOTAL				1049.27	W
	Add 1 % Water charges on “W”				10.49	
	TOTAL				1059.76	X
	Add GST on “X” (multiplying factor 0.2127)				225.41	
	TOTAL				1285.17	Y
	Add 15% CPOH on “Y”				192.78	
	TOTAL				1477.95	Z
	Add Cess @ 1% on “Z”				14.78	
	Cost of 6.00 metre				1492.73	
	Cost of 1.00 metre				248.79	
	Say				248.80	

12.41.2 110 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 6.00 metres					
7189	U-PVC pipes (working pressure 4 kg / sqcm) Single socketed pipe 110 mm dia.	metre	6.00	142.00	852.00	
7191	U-PVC pipes (working pressure 4 kg / sqcm.) Rubber (Seal) Ring 110 mm dia.	each	1.00	12.00	12.00	
9977	Carriage of materials	L.S.	17.55	2.27	39.84	
9999	Adhesive, and sundries etc.	L.S.	8.06	2.27	18.30	
	LABOUR					
0116	Fitter (grade 1)	day	0.23	897.00	206.31	
0114	Beldar	day	0.45	736.00	331.20	
0100	Bandhani	day	0.11	816.00	89.76	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Scaffolding etc.	L.S.	18.59	2.27	42.20	
	TOTAL				1591.61	W
	Add 1 % Water charges on “W”				15.92	
	TOTAL				1607.53	X
	Add GST on “X” (multiplying factor 0.2127)				341.92	
	TOTAL				1949.45	Y
	Add 15% CPOH on “Y”				292.42	
	TOTAL				2241.87	Z
	Add Cess @ 1% on “Z”				22.42	
	Cost of 6.00 metre				2264.29	
	Cost of 1.00 metre				377.38	
	Say				377.40	

12.42 Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.

12.42.1 Coupler

12.42.1.1 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 coupler					
7192	UPVC coupler for UPVC drainage pipes 75 mm	each	1.00	19.00	19.00	
7190	U-PVC pipes (working pressure 4 kg /sqcm.) Rubber (Seal) Ring 75 mm dia.	each	2.00	9.00	18.00	
9999	Adhesive, and sundries etc.	L.S.	2.73	2.27	6.20	
	LABOUR					
9988	Carriage and fixing charges	L.S.	9.36	2.27	21.25	
	TOTAL				64.45	W
	Add 1 % Water charges on “W”				0.64	
	TOTAL				65.09	X
	Add GST on “X” (multiplying factor 0.2127)				13.84	
	TOTAL				78.93	Y
	Add 15% CPOH on “Y”				11.84	
	TOTAL				90.77	Z
	Add Cess @ 1% on “Z”				0.91	
	Cost of 1 coupler				91.68	
	Say				91.70	

12.42.1.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 coupler					
7193	UPVC coupler for UPVC drainage pipes 110 mm	each	1.00	41.00	41.00	
7191	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 110 mm dia.	each	2.00	12.00	24.00	
9999	Adhesive, and sundries etc.	L.S.	2.73	2.27	6.20	
	LABOUR					
9988	Carriage and fixing charges	L.S.	10.79	2.27	24.49	
	TOTAL				95.69	W
	Add 1 % Water charges on “W”				0.96	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				96.65	X
	Add GST on “X” (multiplying factor 0.2127)				20.56	
	TOTAL				117.21	Y
	Add 15% CPOH on “Y”				17.58	
	TOTAL				134.79	Z
	Add Cess @ 1% on “Z”				1.35	
	Cost of 1 coupler				136.14	
	Say				136.15	

12.42.2 Single pushfit Coupler

12.42.2.1 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 coupler					
7194	UPVC pushfit coupler (single) 75 mm thick	each	1.00	20.00	20.00	
7190	U-PVC pipes (working pressure 4 kg /sqcm.) Rubber (Seal) Ring 75 mm dia.	each	2.00	9.00	18.00	
9999	Adhesive, and sundries etc.	L.S.	2.73	2.27	6.20	
9988	Carriage and fixing charges	L.S.	9.36	2.27	21.25	
	TOTAL				65.45	W
	Add 1 % Water charges on “W”				0.65	
	TOTAL				66.10	X
	Add GST on “X” (multiplying factor 0.2127)				14.06	
	TOTAL				80.16	Y
	Add 15% CPOH on “Y”				12.02	
	TOTAL				92.18	Z
	Add Cess @ 1% on “Z”				0.92	
	Cost of 1 coupler				93.10	
	Say				93.10	

12.42.2.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 coupler					
7195	UPVC pushfit coupler (single) 110 mm thick	each	1.00	35.00	35.00	
7191	U-PVC pipes (working pressure 4 kg /sq.cm) Rubber (Seal) Ring 110 mm dia.	each	2.00	12.00	24.00	
9999	Adhesive, and sundries etc.	L.S.	2.73	2.27	6.20	
9988	Carriage and fixing charges	L.S.	10.79	2.27	24.49	
	TOTAL				89.69	W
	Add 1 % Water charges on “W”				0.90	
	TOTAL				90.59	X
	Add GST on “X” (multiplying factor 0.2127)				19.27	
	TOTAL				109.86	Y
	Add 15% CPOH on “Y”				16.48	
	TOTAL				126.34	Z
	Add Cess @ 1% on “Z”				1.26	
	Cost of 1 coupler				127.60	
	Say				127.60	

12.42.3 Single tee with door

12.42.3.1 75x75x75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 tee					
	MATERIAL					
7198	UPVC single equal Tee (with door) 75x75x75 mm	each	1.00	64.00	64.00	
7190	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 75 mm dia.	each	3.00	9.00	27.00	
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	10.76	2.27	24.43	
	TOTAL				115.43	W
	Add 1 % Water charges on “W”				1.15	
	TOTAL				116.58	X
	Add GST on “X” (multiplying factor 0.2127)				24.80	
	TOTAL				141.38	Y
	Add 15% CPOH on “Y”				21.21	
	TOTAL				162.59	Z
	Add Cess @ 1% on “Z”				1.63	
	Cost of 1 tee				164.22	
	Say				164.20	

12.42.3.2 110x110x110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 tee					
	MATERIAL					
7199	UPVC single equal Tee (with door) 110x110x110 mm	each	1.00	98.00	98.00	
7191	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 110 mm dia.	each	3.00	12.00	36.00	
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	13.47	2.27	30.58	
	TOTAL				164.58	W
	Add 1 % Water charges on “W”				1.65	
	TOTAL				166.23	X
	Add GST on “X” (multiplying factor 0.2127)				35.36	
	TOTAL				201.59	Y
	Add 15% CPOH on “Y”				30.24	
	TOTAL				231.83	Z
	Add Cess @ 1% on “Z”				2.32	
	Cost of 1 tee				234.15	
	Say				234.15	

12.42.4 Single tee without door

12.42.4.1 75x75x75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 tee					
	MATERIAL					
7196	UPVC single equal Tee (without door) 75x75x75 mm	each	1.00	50.00	50.00	
7190	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 75 mm dia.	each	3.00	9.00	27.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	10.76	2.27	24.43	
	TOTAL				101.43	W
	Add 1 % Water charges on “W”				1.01	
	TOTAL				102.44	X
	Add GST on “X” (multiplying factor 0.2127)				21.79	
	TOTAL				124.23	Y
	Add 15% CPOH on “Y”				18.63	
	TOTAL				142.86	Z
	Add Cess @ 1% on “Z”				1.43	
	Cost of 1 tee				144.29	
	Say				144.30	

12.42.4.2 110x110x110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 tee					
	MATERIAL					
7197	UPVC single equal Tee (without door) 110x110x110 mm	each	1.00	89.00	89.00	
7191	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 110 mm dia.	each	3.00	12.00	36.00	
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	13.47	2.27	30.58	
	TOTAL				155.58	W
	Add 1 % Water charges on “W”				1.56	
	TOTAL				157.14	X
	Add GST on “X” (multiplying factor 0.2127)				33.42	
	TOTAL				190.56	Y
	Add 15% CPOH on “Y”				28.58	
	TOTAL				219.14	Z
	Add Cess @ 1% on “Z”				2.19	
	Cost of 1 tee				221.33	
	Say				221.35	

12.42.5 Bend 87.5°

12.42.5.1 75 mm bend

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 bend					
7208	UPVC bend 87.5° 75 mm bend	each	1.00	38.00	38.00	
7190	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.	each	1.00	9.00	9.00	
9999	Adhesive, and sundries etc.	L.S.	2.73	2.27	6.20	
9988	Carriage and fixing charges	L.S.	9.36	2.27	21.25	
	TOTAL				74.45	W
	Add 1 % Water charges on “W”				0.74	
	TOTAL				75.19	X
	Add GST on “X” (multiplying factor 0.2127)				15.99	
	TOTAL				91.18	Y
	Add 15% CPOH on “Y”				13.68	
	TOTAL				104.86	Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add Cess @ 1% on “Z”				1.05	
	Cost of 1 bend				105.91	
	Say				105.90	

12.42.5.2 110 mm bend

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 bend					
7209	UPVC bend 87.5° 110 mm bend	each	1.00	63.00	63.00	
7191	U-PVC pipes (working pressure 4 kg /sqcm) Rubber (Seal) Ring 110 mm dia.	each	1.00	12.00	12.00	
9999	Adhesive, and sundries etc.	L.S.	2.73	2.27	6.20	
9988	Carriage and fixing charges	L.S.	10.79	2.27	24.49	
	TOTAL				105.69	W
	Add 1 % Water charges on “W”				1.06	
	TOTAL				106.75	X
	Add GST on “X” (multiplying factor 0.2127)				22.71	
	TOTAL				129.46	Y
	Add 15% CPOH on “Y”				19.42	
	TOTAL				148.88	Z
	Add Cess @ 1% on “Z”				1.49	
	Cost of 1 bend				150.37	
	Say				150.35	

12.42.6 Shoe (Plain)

12.42.6.1 75 mm Shoe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 shoe					
7212	UPVC plain shoe 75 mm	each	1.00	29.00	29.00	
7190	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.	each	1.00	9.00	9.00	
9999	Adhesive, and sundries etc.	L.S.	2.73	2.27	6.20	
9988	Carriage and fixing charges	L.S.	9.36	2.27	21.25	
	TOTAL				65.45	W
	Add 1 % Water charges on “W”				0.65	
	TOTAL				66.10	X
	Add GST on “X” (multiplying factor 0.2127)				14.06	
	TOTAL				80.16	Y
	Add 15% CPOH on “Y”				12.02	
	TOTAL				92.18	Z
	Add Cess @ 1% on “Z”				0.92	
	Cost of 1 shoe				93.10	
	Say				93.10	

12.42.6.2 110 mm Shoe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 shoe					
7213	UPVC plain shoe 110 mm	each	1.00	50.00	50.00	
7191	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 110 mm dia.	each	1.00	12.00	12.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Adhesive, and sundries etc.	L.S.	2.73	2.27	6.20	
9988	Carriage and fixing charges	L.S.	10.79	2.27	24.49	
	TOTAL				92.69	W
	Add 1 % Water charges on “W”				0.93	
	TOTAL				93.62	X
	Add GST on “X” (multiplying factor 0.2127)				19.91	
	TOTAL				113.53	Y
	Add 15% CPOH on “Y”				17.03	
	TOTAL				130.56	Z
	Add Cess @ 1% on “Z”				1.31	
	Cost of 1 shoe				131.87	
	Say				131.85	

12.43 Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.

12.43.1 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 nos.					
	MATERIAL					
7214	UPVC pipe clip 75 mm	each	5.00	15.00	75.00	
9977	Carriage of U-PVC pipe clips	L.S.	2.47	2.27	5.61	
0870	Plug	each	10.00	10.00	100.00	
	LABOUR					
0116	Fitter (grade 1)	day	0.125	897.00	112.13	
0124	Mason 2nd class	day	0.75	816.00	612.00	
0114	Beldar	day	0.50	736.00	368.00	
9999	Sundries	L.S.	7.15	2.27	16.23	
9999	Sundries	L.S.	0.91	2.27	2.07	
9999	Sundries cement mortar 1:4 (1Cement :					
	4 Coarse sand)	L.S.	3.90	2.27	8.85	
	TOTAL				1299.89	W
	Add 1 % Water charges on “W”				13.00	
	TOTAL				1312.89	X
	Add GST on “X” (multiplying factor 0.2127)				279.25	
	TOTAL				1592.14	Y
	Add 15% CPOH on “Y”				238.82	
	TOTAL				1830.96	Z
	Add Cess @ 1% on “Z”				18.31	
	Cost of 5 Nos.				1849.27	
	Cost of 1 No.				369.85	
	Say				369.85	

12.43.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 5 nos.					
	MATERIAL					
7215	UPVC pipe clip 110 mm	each	5.00	16.00	80.00	
9977	Carriage of U-PVC pipe clips	L.S.	2.47	2.27	5.61	
0870	Plug	each	10.00	10.00	100.00	
	LABOUR					
0116	Fitter (grade 1)	day	0.125	897.00	112.13	
0124	Mason 2nd class	day	0.75	816.00	612.00	
0114	Beldar	day	0.50	736.00	368.00	
9999	Sundries	L.S.	7.15	2.27	16.23	
9999	Sundries	L.S.	0.91	2.27	2.07	
9999	Sundries cement mortar 1:4 (1Cement : 4 Coarse sand)	L.S.	3.90	2.27	8.85	
	TOTAL				1304.89	W
	Add 1 % Water charges on “W”				13.05	
	TOTAL				1317.94	X
	Add GST on “X” (multiplying factor 0.2127)				280.33	
	TOTAL				1598.27	Y
	Add 15% CPOH on “Y”				239.74	
	TOTAL				1838.01	Z
	Add Cess @ 1% on “Z”				18.38	
	Cost of 5 Nos.				1856.39	
	Cost of 1 No.				371.28	
	Say				371.30	

12.44 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 grating					
	MATERIAL					
7187	C.I. grating 150 mm dia. (Weighing not less than 440 gm)	each	1.00	29.00	29.00	
9977	Carriage of material and fixing charges	L.S.	4.16	2.27	9.44	
	TOTAL				38.44	W
	Add 1 % Water charges on “W”				0.38	
	TOTAL				38.82	X
	Add GST on “X” (multiplying factor 0.2127)				8.26	
	TOTAL				47.08	Y
	Add 15% CPOH on “Y”				7.06	
	TOTAL				54.14	Z
	Add Cess @ 1% on “Z”				0.54	
	Cost of each grating				54.68	
	Say				54.70	

12.45 Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :

12.45.1 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.8x9.6m = 103.68sqm.					
	MATERIAL					
	Gypsum board 12.5mm thick = 103.68 sqm.+					
	Add wastage @ 5% = 5.18sqm.					
	Total = 108.86 sqm.					
7009	12.5 mm thick tapered edge gypsum plain borad	sqm	108.86	154.00	16764.44	
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	49.00	11668.86	
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	24.00	1004.16	
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80	
	Strap hanger					
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50mm)	metre	10.80	13.00	140.40	
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	21.60	38.00	820.80	
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00	
7020	All drive screws (for gypsum board)	100 Nos	10.00	63.00	630.00	
7016	Joint filler	kilogram	22.81	25.00	570.25	
7017	Joint finisher	kilogram	34.21	23.00	786.83	
7018	Joint tape roll	roll	1.27	95.00	120.65	
7021	Primer (for gypsum board)	litre	18.66	75.00	1399.50	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.27	1832.57	
9977	Carriage of material etc.	L.S.	447.20	2.27	1015.14	
	LABOUR :-					
0112	Carpenter 2nd class	day	31.104	816.00	25380.86	
0114	Beldar	day	31.104	736.00	22892.54	
0131	Painter	day	10.368	816.00	8460.29	
	TOTAL				98808.09	W
	Add 1 % Water charges on “W”				988.08	
	TOTAL				99796.17	X
	Add GST on “X” (multiplying factor 0.2127)				21226.65	
	TOTAL				121022.82	Y
	Add 15% CPOH on “Y”				18153.42	
	TOTAL				139176.24	Z
	Add Cess @ 1% on “Z”				1391.76	
	Cost for 103.68 sqm.				140568.00	
	Cost of 1 Sqm.				1355.79	
	Say				1355.80	

12.45.2 12.5 mm thick tapered edge Glass Reinforced Gypsum (GRG) board conforming to IS: 2095-(Part 3):1996 (Boards with BIS certification marks)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.8x9.6m = 103.68sqm.					
	MATERIAL					
	Gypsum board 12.5mm thick = 103.68 sqm.+					
	Add wastage @ 5% = 5.18sqm.					
	Total = 108.86 sqm.					
7366	12.5 mm thick tapered edge Glass Reinforced Gypsum (GRG) board	sqm	108.86	264.00	28739.04	
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	49.00	11668.86	
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	24.00	1004.16	
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80	
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50mm)	metre	10.80	13.00	140.40	
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80	
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00	
7020	All drive screws (for gypsum board)	100 Nos	10.00	63.00	630.00	
7016	Joint filler	kilogram	22.81	25.00	570.25	
7017	Joint finisher	kilogram	34.21	23.00	786.83	
7018	Joint tape roll	roll	1.27	95.00	120.65	
7021	Primer (for gypsum board)	litre	18.66	75.00	1399.50	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.27	1832.57	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage of material etc.	L.S.	447.20	2.27	1015.14	
	LABOUR :-					
0112	Carpenter 2nd class	day	31.104	816.00	25380.86	
0114	Beldar	day	31.104	736.00	22892.54	
0131	Painter	day	10.37	816.00	8461.92	
	TOTAL				110784.32	W
	Add 1 % Water charges on “W”				1107.84	
	TOTAL				111892.16	X
	Add GST on “X” (multiplying factor 0.2127)				23799.46	
	TOTAL				135691.62	Y
	Add 15% CPOH on “Y”				20353.74	
	TOTAL				156045.36	Z
	Add Cess @ 1% on “Z”				1560.45	
	Cost of 103.68 sqm.				157605.81	
	Cost of 1 Sqm.				1520.12	
	Say				1520.10	
					1520.10	

12.45.3 12.5 mm thick tapered edge gypsum moisture resistant board

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.8x9.6m = 103.68sqm.					
	MATERIAL					
	Gypsum board 12.5mm thick = 103.68 sqm.+					
	Add wastage @ 5% = 5.18sqm.					
	Total = 108.86 sqm.					
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	108.86	270.00	29392.20	
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	49.00	11668.86	
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	24.00	1004.16	
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80	
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50mm)	metre	10.80	13.00	140.40	
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80	
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00	
7020	All drive screws (for gypsum board)	100 Nos	10.00	63.00	630.00	
7016	Joint filler	kilogram	22.81	25.00	570.25	
7017	Joint finisher	kilogram	34.21	23.00	786.83	
7018	Joint tape roll	roll	1.27	95.00	120.65	
7021	Primer (for gypsum board)	litre	18.66	75.00	1399.50	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.27	1832.57	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage of material etc.	L.S.	447.20	2.27	1015.14	
	LABOUR					
0112	Carpenter 2nd class	day	31.104	816.00	25380.86	
0114	Beldar	day	31.104	736.00	22892.54	
0131	Painter	day	10.37	816.00	8461.92	
	TOTAL				111437.48	W
	Add 1 % Water charges on “W”				1114.37	
	TOTAL				112551.85	X
	Add GST on “X” (multiplying factor 0.2127)				23939.78	
	TOTAL				136491.63	Y
	Add 15% CPOH on “Y”				20473.74	
	TOTAL				156965.37	Z
	Add Cess @ 1% on “Z”				1569.65	
	Cost of 103.68 sqm.				158535.02	
	Cost of 1 Sqm.				1529.08	
	Say				1529.10	

12.45.4 Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer-in-charge and as per manufacturer’s specification, with all 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.8x9.6m = 103.68sqm.					
	MATERIAL					
	Gypsum board 12.5mm thick = 103.68 sqm.+					
	Add wastage @ 5% = 5.18sqm.					
	Total = 108.86 sqm.					
7028	12.5 mm thick Fully Perforated gypsum board	sqm	108.86	414.00	45068.04	
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	49.00	11668.86	
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	24.00	1004.16	
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80	
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50mm)	metre	10.80	13.00	140.40	
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80	
7015	Galvanised Steel soffit cleat (Size 27x37x25x0.60mm)	each	72.00	3.00	216.00	
7020	All drive screws (for gypsum board)	100 Nos	10.00	63.00	630.00	
7016	Joint filler	kilogram	22.81	25.00	570.25	
7017	Joint finisher	kilogram	34.21	23.00	786.83	
7018	Joint tape roll	roll	1.27	95.00	120.65	
7021	Primer (for gypsum board)	litre	18.66	75.00	1399.50	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	2.27	1832.57	
9977	Carriage of material etc.	L.S.	447.20	2.27	1015.14	
	LABOUR :-					
0112	Carpenter 2nd class	day	31.104	816.00	25380.86	
0114	Beldar	day	31.104	736.00	22892.54	
0131	Painter	day	10.37	816.00	8461.92	
	TOTAL				127113.32	W
	Add 1 % Water charges on “W”				1271.13	
	TOTAL				128384.45	X
	Add GST on “X” (multiplying factor 0.2127)				27307.37	
	TOTAL				155691.82	Y
	Add 15% CPOH on “Y”				23353.77	
	TOTAL				179045.59	Z
	Add Cess @ 1% on “Z”				1790.46	
	Cost of 103.68 sqm.				180836.05	
	Cost of 1 Sqm.				1744.17	
	Say				1744.15	

12.46 Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150 mm square with a height of 8 mm and weighing not less than 100 gms.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 grating					
	MATERIAL					
7857	P.T.M.T. Grating square slit 150mm	each	1.00	50.00	50.00	
9977	Carriage of material and fixing charges	L.S.	4.16	2.27	9.44	
	TOTAL				59.44	W
	Add 1 % Water charges on “W”				0.59	
	TOTAL				60.03	X
	Add GST on “X” (multiplying factor 0.2127)				12.77	
	TOTAL				72.80	Y
	Add 15% CPOH on “Y”				10.92	
	TOTAL				83.72	Z
	Add Cess @ 1% on “Z”				0.84	
	Cost of each grating				84.56	
	Say				84.55	

12.47 Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated ‘J’ or ‘L’ hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.

12.47.1 2 mm thick corrugated (2.5” or 4.2” or 6”) or step-down (2” or 3” or 6”) as specified

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for area of roof.					
	2x18.09x5.1 = 184.518 sqm.					
	MATERIAL					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	240.408	588.00	141359.90	
9977	Carriage of sheet	L.S.	104.00	2.27	236.08	
	G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre					
	No. of bolts in one lap 5.1/0.3 =17 nos.					
	2x26(laps)x17 nos. = 884 nos.					
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	88.40	38.00	3359.20	
	G.I.,J or L hooks 8mm dia.					
	(No. of purlins to be used 5 on either side)2x5x27					
	(No. of sheets)x23 nos. of bolts in each sheet = 810 nos.					
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	81.00	130.00	10530.00	
1207	G.I. Limpet washer	100 Nos	16.94	21.00	355.74	
	(total of seam and J bolts)					
	884+810= 1694					
1208	Bitumen washer	100 Nos	16.94	30.00	508.20	
9977	Carriage of bolts and washers	L.S.	26.91	2.27	61.09	
9999	Sundries	L.S.	53.82	2.27	122.17	
	LABOUR					
0130	Mistry	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	15.50	816.00	12648.00	
0114	Beldar	day	15.50	736.00	11408.00	
	TOTAL				181754.48	W
	Add 1 % Water charges on “W”				1817.54	
	TOTAL				183572.02	X
	Add GST on “X” (multiplying factor 0.2127)				39045.77	
	TOTAL				222617.79	Y
	Add 15% CPOH on “Y”				33392.67	
	TOTAL				256010.46	Z
	Add Cess @ 1% on “Z”				2560.10	
	Cost of 184.518 Sqm.				258570.56	
	Cost of 1 Sqm.				1401.33	
	Say				1401.35	

12.47.2 2 mm thick flat

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for area of roof.2x18.09x5.1 = 184.518 sqm.					
	MATERIAL					
8667	UV stabilised 2 mm thick plain FRP sheet	sqm	240.408	504.00	121165.63	
9977	Carriage of sheet	L.S.	104.00	2.27	236.08	
	G.I.Seam bolts and nuts 60cm centre to centre zig-zag i.e. 30cm centre to centre straight Breadth is 5.1metre					
	No. of bolts in one lap 5.1/0.3 =17 nos.					
	2x26(laps)x17 nos. = 884 nos.					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots G.I.,J or L hooks 8mm dia. (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.	10 Nos	88.40	38.00	3359.20	
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	81.00	130.00	10530.00	
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	21.00	355.74	
1208	Bitumen washer	100 Nos	16.94	30.00	508.20	
9977	Carriage of bolts and washers	L.S.	26.91	2.27	61.09	
9999	Sundries	L.S.	53.82	2.27	122.17	
	LABOUR					
0130	Mistry	day	1.30	897.00	1166.10	
0112	Carpenter 2nd class	day	15.50	816.00	12648.00	
0114	Beldar	day	15.50	736.00	11408.00	
	TOTAL				161560.21	W
	Add 1 % Water charges on “W”				1615.60	
	TOTAL				163175.81	X
	Add GST on “X” (multiplying factor 0.2127)				34707.49	
	TOTAL				197883.30	Y
	Add 15% CPOH on “Y”				29682.50	
	TOTAL				227565.80	Z
	Add Cess @ 1% on “Z”				2275.66	
	Cost of 184.518 Sqm.				229841.46	
	Cost of 1 Sqm.				1245.63	
	Say				1245.65	

12.48 Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete (steel frame work to be paid separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
8670	Mangalore tiles 20 mm thick	each	160.00	10.00	1600.00	
2207	Carriage of Brick tiles	1000 Nos	0.16	0.00	0.00	
	LABOUR					
0123	Mason 1st class	day	0.30	897.00	269.10	
0114	Beldar	day	1.56	736.00	1148.16	
9999	Sundries	L.S.	13.00	2.27	29.51	
	TOTAL				3046.77	W
	Add 1 % Water charges on “W”				30.47	
	TOTAL				3077.24	X
	Add GST on “X” (multiplying factor 0.2127)				654.53	
	TOTAL				3731.77	Y
	Add 15% CPOH on “Y”				559.77	
	TOTAL				4291.54	Z
	Add Cess @ 1% on “Z”				42.92	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 10 sqm				4334.46	
	Cost of 1 sqm				433.45	
	Say				433.45	

12.49 Providing & laying on roof pressed clay tile ridge (Mangalore tile) of 20mm thickness and of approved pattern on steel frame work complete (steel frame work to be paid separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 3.60 metre					
	MATERIAL					
8669	Mangalore ridge tiles 20 mm thick	each	12.00	10.00	120.00	
2207	Carriage of Brick tiles	1000 Nos	0.012	0.00	0.00	
	LABOUR					
0123	Mason 1st class	day	0.01	897.00	8.97	
0114	Beldar	day	0.15	736.00	110.40	
9999	Sundries	L.S.	2.60	2.27	5.90	
	TOTAL				245.27	W
	Add 1 % Water charges on “W”				2.45	
	TOTAL				247.72	X
	Add GST on “X” (multiplying factor 0.2127)				52.69	
	TOTAL				300.41	Y
	Add 15% CPOH on “Y”				45.06	
	TOTAL				345.47	Z
	Add Cess @ 1% on “Z”				3.45	
	Cost of 3.60 metre				348.92	
	Cost for 1 metre				96.92	
	Say				96.90	

12.50 Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost of 216.14 sqm.					
	Consider a shed of 20x10 metres. (External dimensions of plinth).					
	Area of roof-					
	20.2x10.70m = 216.14 sqm.					
	MATERIAL					
	Sheets used = 20 nos.x10.70mx1.06m = 226.84sqm					
	Add 3% wastage = 6.81					
	Total = 233.65sqm.					
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	233.65	380.00	88787.00	
9977	Carriage of sheets	L.S.	104.00	2.27	236.08	
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	130.00	6188.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
1208	Bitumen washer	100 Nos	4.76	30.00	142.80	
1209	G.I. plain washer thick	100 Nos	4.76	35.00	166.60	
9977	Carriage of bolts and nuts, washers etc.	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	TOTAL				112223.15	W
	Add 1 % Water charges on “W”				1122.23	
	TOTAL				113345.38	X
	Add GST on “X” (multiplying factor 0.2127)				24108.56	
	TOTAL				137453.94	Y
	Add 15% CPOH on “Y”				20618.09	
	TOTAL				158072.03	Z
	Add Cess @ 1% on “Z”				1580.72	
	Cost of 216.14 sqm.				159652.75	
	Cost of 1.00 sqm.				738.65	
	Say				738.65	

12.51 Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :

12.51.1 Ridges plain (500 - 600mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 20.20 metre					
	One piece plain ridges					
	Consider a shed of 20x10m (external dimensions at plinth).					
	Length of ridges 20.2 metre + 5% wastage = 23.11 metre.					
	MATERIAL					
8672	Precoated galvanised steel plain ridges 0.50 mm TCT and 500 -600 mm wide	metre	23.11	248.00	5731.28	
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	2.27	30.69	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0130	Mistry	day	0.14	897.00	125.58	
0112	Carpenter 2nd class	day	0.55	816.00	448.80	
0114	Beldar	day	1.64	736.00	1207.04	
	TOTAL				7558.74	W
	Add 1 % Water charges on “W”				75.59	
	TOTAL				7634.33	X
	Add GST on “X” (multiplying factor 0.2127)				1623.82	
	TOTAL				9258.15	Y
	Add 15% CPOH on “Y”				1388.72	
	TOTAL				10646.87	Z
	Add Cess @ 1% on “Z”				106.47	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 20.20 metre				10753.34	
	Cost of 1.00 metre				532.34	
	Say				532.35	

12.51.2 Flashings/ Aprons.(Upto 600 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details for shed of 20.2 metres completed length					
	MATERIAL					
8673	Precoated galvanised steel flashings/aprons 0.50mm TCT and wide upto 600 mm	metre	23.11	259.00	5985.49	
	20.20 + 5% wastage = 23.11 metre					
9977	Carriage of appron pieces. (The appron pieces are to be fixed with the same hooks as the sheets)	L.S.	3.25	2.27	7.38	
9999	Sundries	L.S.	3.25	2.27	7.38	
	LABOUR					
0130	Mistry	day	0.07	897.00	62.79	
0112	Carpenter 2nd class	day	0.28	816.00	228.48	
0114	Beldar	day	0.82	736.00	603.52	
	TOTAL				6895.04	W
	Add 1 % Water charges on “W”				68.95	
	TOTAL				6963.99	X
	Add GST on “X” (multiplying factor 0.2127)				1481.24	
	TOTAL				8445.23	Y
	Add 15% CPOH on “Y”				1266.78	
	TOTAL				9712.01	Z
	Add Cess @ 1% on “Z”				97.12	
	Cost of 20.20 metre				9809.13	
	Cost of 1.00 metre				485.60	
	Say				485.60	

12.51.3 North light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of North light curve 20.20 metres long complete length					
	MATERIAL					
8675	Precoated galvanised steel north light curves	metre	23.11	264.00	6101.04	
	20.20 + 5% wastage = 23.11 metre					
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	130.00	520.00	
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00	
1208	Bitumen washer	100 Nos	0.40	30.00	12.00	
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.27	22.43	
9999	Sundries	L.S.	6.24	2.27	14.16	
	LABOUR					
0130	Mistry	day	0.10	897.00	89.70	
0112	Carpenter 2nd class	day	0.30	816.00	244.80	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				7754.13	W
	Add 1 % Water charges on “W”				77.54	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				7831.67	X
	Add GST on “X” (multiplying factor 0.2127)				1665.80	
	TOTAL				9497.47	Y
	Add 15% CPOH on “Y”				1424.62	
	TOTAL				10922.09	Z
	Add Cess @ 1% on “Z”				109.22	
	Cost of 20.20 metre				11031.31	
	Cost of 1.00 metre				546.10	
	Say				546.10	

12.51.4 Barge board (Upto 300 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 8.23 metre					
	Completed length of barge boards = 8.23 + 5% wastage = 8.64 metre					
	MATERIAL					
8676	Precoated galvanised steel barge board	metre	8.64	253.00	2185.92	
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	11.00	5.50	
1211	G.I. plain washer for seam bolts	100 Nos	0.10	32.00	3.20	
1208	Bitumen washer	100 Nos	0.05	30.00	1.50	
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	2.27	21.25	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0130	Mistry	day	0.04	897.00	35.88	
0112	Carpenter 2nd class	day	0.06	816.00	48.96	
0114	Beldar	day	0.40	736.00	294.40	
	TOTAL				2611.96	W
	Add 1 % Water charges on “W”				26.12	
	TOTAL				2638.08	X
	Add GST on “X” (multiplying factor 0.2127)				561.12	
	TOTAL				3199.20	Y
	Add 15% CPOH on “Y”				479.88	
	TOTAL				3679.08	Z
	Add Cess @ 1% on “Z”				36.79	
	Cost of 8.23 metre				3715.87	
	Cost of 1.00 metre				451.50	
	Say				451.50	

12.51.5 Crimp curve

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of crimp curve 20.2 metre long complete length, Area 20.20 x 1.06 =21.412 sqm					
	MATERIAL					
8677	Precoated galvanised steel crimp curve	sqm	22.483	259.00	5823.10	
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	130.00	520.00	
1209	G.I. plain washer thick	100 Nos	0.40	35.00	14.00	
1208	Bitumen washer	100 Nos	0.40	30.00	12.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	2.27	22.43	
9999	Sundries	L.S.	6.24	2.27	14.16	
	LABOUR					
0130	Mistry	day	0.10	897.00	89.70	
0112	Carpenter 2nd class	day	0.30	816.00	244.80	
0114	Beldar	day	1.00	736.00	736.00	
	TOTAL				7476.19	W
	Add 1 % Water charges on “W”				74.76	
	TOTAL				7550.95	X
	Add GST on “X” (multiplying factor 0.2127)				1606.09	
	TOTAL				9157.04	Y
	Add 15% CPOH on “Y”				1373.56	
	TOTAL				10530.60	Z
	Add Cess @ 1% on “Z”				105.31	
	Cost of 21.412 sqm				10635.91	
	Cost of 1.00 sqm				496.73	
	Say				496.75	

12.51.6 Gutter (600 mm over all girth)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost of 10 metre 0.63mm thick with zinc coating not less than 275gm/sqm Consider a length of 10.00m Sheet used = 10x1.06m x 0.60 = 6.36 sqm. Total = 6.36 metre					
8674	Precoated galvanised steel gutter	metre	10.00	484.00	4840.00	
9977	Carriage of gutter	L.S.	1.04	2.27	2.36	
1008	Flats upto 10 mm in thickness	quintal	0.075	5450.00	408.75	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	2.00	38.00	76.00	
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	30.00	9.00	270.00	
1210	G.I. plain washer thin	100 Nos	0.70	21.00	14.70	
1208	Bitumen washer	100 Nos	0.40	30.00	12.00	
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	2.27	6.20	
9999	Sundries	L.S.	5.33	2.27	12.10	
	LABOUR					
0102	Blacksmith 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
9999	Sundries	L.S.	12.61	2.27	28.62	
0130	Mistry	day	0.28	897.00	251.16	
0102	Blacksmith 1st class	day	0.84	897.00	753.48	
0112	Carpenter 2nd class	day	0.62	816.00	505.92	
0114	Beldar	day	1.68	736.00	1236.48	
	TOTAL				9234.27	W
	Add 1 % Water charges on “W”				92.34	
	TOTAL				9326.61	X
	Add GST on “X” (multiplying factor 0.2127)				1983.77	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				11310.38	Y
	Add 15% CPOH on "Y"				1696.56	
	TOTAL				13006.94	Z
	Add Cess @ 1% on "Z"				130.07	
	Cost of 10.00 metres				13137.01	
	Cost of 1.00 metre				1313.70	
	Say				1313.70	

12.52 Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/ making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.

12.52.1 GI Metal Ceiling Lay in plain Tegular edge Global white colour tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
	Celling Area =100 sqm					
	Add wastage @ 5% = 0.05 sqm.					
	Total=100.05 sqm					
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595mm and 0.5 mm thick	sqm	105.00	701.00	73605.00	
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long) Including Wastage @ 10%	each	29.50	141.00	4159.50	
8612	Perimeter wall angle 24x24x0.3mm (3 metre long) Including Wastage @ 10%	each	13.50	87.00	1174.50	
8613	Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	44.00	6468.00	
8614	Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	22.00	3234.00	
8615	Hanger rod 4 mm thick	each	72.00	11.00	792.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8616	Adjustment clip 85x30x0.8mm	each	72.00	7.00	504.00	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.27	426.65	
9977	Carriage of materials etc.	L.S.	89.28	2.27	202.67	
	LABOUR					
0111	Carpenter 1st class	day	28.00	897.00	25116.00	
0114	Beldar	day	23.00	736.00	16928.00	
	TOTAL				133762.32	W
	Add 1 % Water charges on “W”				1337.62	
	TOTAL				135099.94	X
	Add GST on “X” (multiplying factor 0.2127)				28735.76	
	TOTAL				163835.70	Y
	Add 15% CPOH on “Y”				24575.36	
	TOTAL				188411.06	Z
	Add Cess @ 1% on “Z”				1884.11	
	Cost of 100 sqm.				190295.17	
	Cost of 1 sqm.				1902.95	
	Say				1902.95	

12.52.2 GI Metal Ceiling Lay in perforated Tegular edge global white colour tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
	Celling Area =100 sqm					
	Add wastage @ 5% = 0.05 sqm.					
	Total=100.05 sqm					
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595mm and 0.5 mm thick	sqm	105.00	812.00	85260.00	
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	141.00	4159.50	
	Including Wastage @ 10%					
8612	Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	87.00	1174.50	
	Including Wastage @ 10%					
8613	Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long)	each	147.00	44.00	6468.00	
	Including Wastage @ 10% on Grid for cut outs					
8614	Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long)	each	147.00	22.00	3234.00	
	Including Wastage @ 10% on Grid for cut outs					
8615	Hanger rod 4 mm thick	each	72.00	11.00	792.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8616	Adjustment clip 85x30x0.8mm	each	72.00	7.00	504.00	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.27	426.65	
9977	Carriage of materials etc.	L.S.	89.28	2.27	202.67	
	LABOUR					
0111	Carpenter 1st class	day	28.00	897.00	25116.00	
0114	Beldar	day	23.00	736.00	16928.00	
	TOTAL				145417.32	W
	Add 1 % Water charges on “W”				1454.17	
	TOTAL				146871.49	X
	Add GST on “X” (multiplying factor 0.2127)				31239.57	
	TOTAL				178111.06	Y
	Add 15% CPOH on “Y”				26716.66	
	TOTAL				204827.72	Z
	Add Cess @ 1% on “Z”				2048.28	
	Cost of 100 sqm.				206876.00	
	Cost of 1 sqm.				2068.76	
	Say				2068.75	

12.52.3 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
	Celling Area =100 sqm					
	Add wastage @ 5% = 0.05 sqm.					
	Total=100.05 sqm					
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	105.00	910.00	95550.00	
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long) Including Wastage @ 10%	each	29.50	141.00	4159.50	
8612	Perimeter wall angle 24x24x0.3mm (3 metre long) Including Wastage @ 10%	each	13.50	87.00	1174.50	
8613	Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	44.00	6468.00	
8614	Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	22.00	3234.00	
8615	Hanger rod 4 mm thick	each	72.00	11.00	792.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8616	Adjustment clip 85x30x0.8mm	each	72.00	7.00	504.00	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.27	426.65	
9977	Carriage of materials etc.	L.S.	89.28	2.27	202.67	
	LABOUR					
0111	Carpenter 1st class	day	28.00	897.00	25116.00	
0114	Beldar	day	23.00	736.00	16928.00	
	TOTAL				155707.32	W
	Add 1 % Water charges on “W”				1557.07	
	TOTAL				157264.39	X
	Add GST on “X” (multiplying factor 0.2127)				33450.14	
	TOTAL				190714.53	Y
	Add 15% CPOH on “Y”				28607.18	
	TOTAL				219321.71	Z
	Add Cess @ 1% on “Z”				2193.22	
	Cost of 100 sqm.				221514.93	
	Cost of 1 sqm.				2215.15	
	Say				2215.15	

12.52.4 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
	Celling Area =100 sqm					
	Add wastage @ 5% = 0.05 sqm.					
	Total=100.05 sqm					
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	105.00	450.00	47250.00	
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long) Including Wastage @ 10%	each	29.50	141.00	4159.50	
8612	Perimeter wall angle 24x24x0.3mm (3 metre long) Including Wastage @ 10%	each	13.50	87.00	1174.50	
8613	Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	44.00	6468.00	
8614	Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	22.00	3234.00	
8615	Hanger rod 4 mm thick	each	72.00	11.00	792.00	
8616	Adjustment clip 85x30x0.8mm	each	72.00	7.00	504.00	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	2.27	426.65	
9977	Carriage of materials etc.	L.S.	89.28	2.27	202.67	
	LABOUR					
0111	Carpenter 1st class	day	28.00	897.00	25116.00	
0114	Beldar	day	23.00	736.00	16928.00	
	TOTAL				107407.32	W
	Add 1 % Water charges on “W”				1074.07	
	TOTAL				108481.39	X
	Add GST on “X” (multiplying factor 0.2127)				23073.99	
	TOTAL				131555.38	Y
	Add 15% CPOH on “Y”				19733.31	
	TOTAL				151288.69	Z
	Add Cess @ 1% on “Z”				1512.89	
	Cost of 100 sqm.				152801.58	
	Cost of 1 sqm.				1528.02	
	Say				1528.00	

12.53 Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main ‘T’ runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross “T” of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main’T’ at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross ‘T’ of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main ‘T’ runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main ‘T’, bottom exposed with 24 mm of all Tsections shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
8589	Calcium Silicate tegular edged celling tiles 495x495 mm and 15 mm thick	sqm	105.00	822.00	86310.00	
	Area = 100 sqm + Add 5% wastage = 5 sqm					
	Total = 105 sqm					
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33mm (3.00 metre long)	each	29.50	167.00	4926.50	
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	13.50	114.00	1539.00	
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (1.2 metre long)	each	147.00	54.00	7938.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33. (0.6 metre long)	each	147.00	27.00	3969.00	
8615	Hanger rod 4 mm thick	each	72.00	11.00	792.00	
8616	Adjustment clip 85x30x0.8mm	each	72.00	7.00	504.00	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00	
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	100.00	1.50	150.00	
9999	scaffolding etc.	L.S.	498.65	2.27	1131.94	
9977	Carriage of materials etc.	L.S.	237.48	2.27	539.08	
9999	Sundries	L.S.	310.70	2.27	705.29	
	LABOUR					
0111	Carpenter 1st class	day	28.00	897.00	25116.00	
0114	Beldar	day	23.00	736.00	16928.00	
	TOTAL				151700.81	W
	Add 1 % Water charges on “W”				1517.01	
	TOTAL				153217.82	X
	Add GST on “X” (multiplying factor 0.2127)				32589.43	
	TOTAL				185807.25	Y
	Add 15% CPOH on “Y”				27871.09	
	TOTAL				213678.34	Z
	Add Cess @ 1% on “Z”				2136.78	
	Cost of 100 sqm.				215815.12	
	Cost of 1 sqm.				2158.15	
	Say				2158.15	

12.54 Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing ‘C’ wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with :

12.54.1 GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
	Celling Area =100 sqm					
	Add wastage @ 5% = 5 sqm.					
	Total=105 sqm					
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5mm thick	sqm	105.00	793.00	83265.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8604	Spring T-section 24x34x0.45 mm (3.00 meter long) Including Wastage @ 10%	metre	60.00	240.00	14400.00	
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long) Including Wastage @ 10%	metre	27.70	115.00	3185.50	
8606	Main C Carrier Size 10x38x10x0.70mm (3.00 meter long) Including Wastage @ 10% on Grid for cut outs	metre	33.00	135.00	4455.00	
8607	Spring T-connector	each	44.00	6.00	264.00	
8608	C Carrier Connector	each	44.00	13.00	572.00	
8609	C Suspension Clip	each	88.00	11.00	968.00	
8610	Wire Coupling Clip	each	333.00	11.00	3663.00	
8615	Hanger rod 4 mm thick	each	80.00	11.00	880.00	
8616	Adjustment clip 85x30x0.8mm	each	80.00	7.00	560.00	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	80.00	6.00	480.00	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	80.00	10.00	800.00	
9999	Sundries i.e. scaffolding etc.	L.S.	188.00	2.27	426.76	
9977	Carriage of materials etc.	L.S.	90.00	2.27	204.30	
	LABOUR					
0111	Carpenter 1st class	day	28.00	897.00	25116.00	
0114	Beldar	day	23.00	736.00	16928.00	
	TOTAL				156167.56	W
	Add 1 % Water charges on “W”				1561.68	
	TOTAL				157729.24	X
	Add GST on “X” (multiplying factor 0.2127)				33549.01	
	TOTAL				191278.25	Y
	Add 15% CPOH on “Y”				28691.74	
	TOTAL				219969.99	Z
	Add Cess @ 1% on “Z”				2199.70	
	Cost of 100 sqm.				222169.69	
	Cost of 1 sqm.				2221.70	
	Say				2221.70	

12.54.2 GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm.					
	MATERIAL					
	Celling Area =100 sqm					
	Add wastage @ 5% = 5 sqm.					
	Total=105 sqm					
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5mm thick	sqm	105.00	882.00	92610.00	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8604	Spring T-section 24x34x0.45 mm (3.00 meter long) Including Wastage @ 10%	metre	60.00	240.00	14400.00	
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long) Including Wastage @ 10%	metre	27.70	115.00	3185.50	
8606	Main C Carrier Size 10x38x10x0.70mm (3.00 meter long) Including Wastage @ 10% on Grid for cut outs	metre	33.00	135.00	4455.00	
8607	Spring T-connector	each	44.00	6.00	264.00	
8608	C Carrier Connector	each	44.00	13.00	572.00	
8609	C Suspension Clip	each	88.00	11.00	968.00	
8610	Wire Coupling Clip	each	333.00	11.00	3663.00	
8615	Hanger rod 4 mm thick	each	80.00	11.00	880.00	
8616	Adjustment clip 85x30x0.8mm	each	80.00	7.00	560.00	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	80.00	6.00	480.00	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	80.00	10.00	800.00	
9999	Sundries i.e. scaffolding etc.	L.S.	188.00	2.27	426.76	
9977	Carriage of materials etc.	L.S.	90.00	2.27	204.30	
	LABOUR					
0111	Carpenter 1st class	day	28.00	897.00	25116.00	
0114	Beldar	day	23.00	736.00	16928.00	
	TOTAL				165512.56	W
	Add 1 % Water charges on “W”				1655.13	
	TOTAL				167167.69	X
	Add GST on “X” (multiplying factor 0.2127)				35556.57	
	TOTAL				202724.26	Y
	Add 15% CPOH on “Y”				30408.64	
	TOTAL				233132.90	Z
	Add Cess @ 1% on “Z”				2331.33	
	Cost of 100 sqm.				235464.23	
	Cost of 1 sqm.				2354.64	
	Say				2354.65	

12.55 Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1:4 (1 cement : 4 coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1:1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm Area= 10 sqm+ Add wastage @ 3%=0.3 sqm Total=10.30 sqm MATERIAL					
1204	Precast heat resistant terrace tiles (size 300x300mm) and 20mm thick Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	10.30	465.00	4789.50	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3.9	Rate as per Item No.3.9 of SH:Mortar	cum	0.224	4211.70	943.42	
0367	Portland Cement (OPC-43 grade)	tonne	0.044	5156.00	226.86	
0368	White Cement	tonne	0.044	10500.00	462.00	
2209	Carriage of Cement	tonne	0.088	0.00	0.00	
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	65.00	200.20	
	LABOUR					
0124	Mason 2nd class	day	1.60	816.00	1305.60	
0115	Coolie	day	2.00	736.00	1472.00	
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	816.00	816.00	
0101	Bhisti	day	1.00	816.00	816.00	
0013	Machine for rubbing of floors	day	1.60	350.00	560.00	
9999	Sundries including carborandum stone etc.	L.S.	169.98	2.27	385.85	
	TOTAL				11977.43	W
	Add 1 % Water charges on “W”				119.77	
	TOTAL				12097.20	X
	Add GST on “X” (multiplying factor 0.2127)				2573.07	
	TOTAL				14670.27	Y
	Add 15% CPOH on “Y”				2200.54	
	TOTAL				16870.81	Z
	Add Cess @ 1% on “Z”				168.71	
	Cost of 10 sqm				17039.52	
	Cost of 1 sqm				1703.95	
	Say				1703.95	

12.56 Providing and laying roof insulation with 40 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/ cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, laying 400 G polythene sheet over PUF spray and providing a wearing course of 40 mm thick cement screed 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) in chequered rough finish, in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 1 sqm					
	MATERIAL					
7050	PU Primer	sqm	1.00	54.00	54.00	
	Area for PU Spray = 1 sqm+					
	Add for wastage @ 10%=0.10 sqm					
	Total=1.10 sqm					
7051	40 mm (average) PU spray having 40-45 kg/ m3 density	sqm	1.10	385.00	423.50	
7052	GI wire netting 3/4” x 24 G	sqm	1.00	28.00	28.00	
9999	Sundries	L.S.	6.71	2.27	15.23	
9999	Polymerized mastic for all joints	L.S.	20.13	2.27	45.70	
7053	400 G polythene sheet	sqm	1.00	13.00	13.00	
9999	Cement	L.S.	44.67	2.27	101.40	
9999	Graded stone	L.S.	13.75	2.27	31.21	
9999	Sand	L.S.	21.48	2.27	48.76	
9977	Carriage of material	L.S.	16.78	2.27	38.09	
	LABOUR					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	For PU spray	L.S.	80.54	2.27	182.83	
9999	For cement screed with Polythene sheet	L.S.	53.69	2.27	121.88	
	TOTAL				1103.60	W
	Add 1 % Water charges on “W”				11.04	
	TOTAL				1114.64	X
	Add GST on “X” (multiplying factor 0.2127)				237.08	
	TOTAL				1351.72	Y
	Add 15% CPOH on “Y”				202.76	
	TOTAL				1554.48	Z
	Add Cess @ 1% on “Z”				15.54	
	Cost of 1 sqm				1570.02	
	Say				1570.00	

12.57 Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m3, 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	MATERIAL					
	Area for 10.00sqm. (Finished surface) = 10.00sqm.+					
	Add Wastage @ 10% =1.00 sqm					
	Total =11.00sqm					
7232	Resin Bonded Glass wool 24 kg/m³ 50 mm thick	sqm	11.00	140.00	1540.00	
9999	Sundries including GL wire 20 SWg and Virgin polythene bags 200 gram	L.S.	52.00	2.27	118.04	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
9999	Sundries (screws and washers)	L.S.	20.00	2.27	45.40	
	TOTAL				2519.94	W
	Add 1 % Water charges on “W”				25.20	
	TOTAL				2545.14	X
	Add GST on “X” (multiplying factor 0.2127)				541.35	
	TOTAL				3086.49	Y
	Add 15% CPOH on “Y”				462.97	
	TOTAL				3549.46	Z
	Add Cess @ 1% on “Z”				35.49	
	Cost of 10 sqm				3584.95	
	Cost of 1 sqm				358.50	
	Say				358.50	

12.58 Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.

12.58.1 8 mm thick fully perforated calcium silicate board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength 100 kg/sq. cm , of size 595x595 mm, having perforation of dia. 10 mm with minimum perforated area 18 % with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 100 sqm					
	Ceiling area = 100 sq.m					
	Add wastage @ 5% = 5.00 sqm					
	Total =105.00 sqm					
	MATERIALS :					
8784	8mm thick Calcium silicate perforated tiles of size 595 x595mm	sqm	105.00	625.00	65625.00	
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	141.00	4159.50	
8612	Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	87.00	1174.50	
8613	Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long)	each	147.00	44.00	6468.00	
8614	Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long)	each	147.00	22.00	3234.00	
8615	Hanger rod 4 mm thick	each	72.00	11.00	792.00	
8616	Adjustment clip 85x30x0.8mm	each	72.00	7.00	504.00	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
9977	Sundries	L.S.	89.28	2.27	202.67	
9999	Sundries i.e scaffolding etc.	L.S.	187.95	2.27	426.65	
	LABOUR :					
0111	Carpenter 1st class	day	28.00	897.00	25116.00	
0114	Beldar	day	23.00	736.00	16928.00	
	TOTAL				125782.32	W
	Add 1 % Water charges on "W"				1257.82	
	TOTAL				127040.14	X
	Add GST on "X" (multiplying factor 0.2127)				27021.44	
	TOTAL				154061.58	Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add 15% CPOH on "Y"				23109.24	
	TOTAL				177170.82	Z
	Add Cess @ 1% on "Z"				1771.71	
	Cost of 100 sqm.				178942.53	
	Cost of 1 sqm.				1789.43	
	Say				1789.45	

12.59 Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I chanels 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes,finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specificaton and direction of the Engineer in charge but excluding the cost of painting with:

12.59.1 8 mm thick Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10.8 m x 9.6m = 103.68sqm					
	MATERIALS:					
	Area = 103.68 sq.m +					
	Add. Wastage of5% = 5.18 Sq.m Total = 108.86 Sqm					
	MATERIALS :					
8699	8 mm thick tapered edge calcium silicate board	sqm	108.86	297.00	32331.42	
7010	G.I Ceiling Section (80 x26mm x26mm x10.5mm each lip x 0.55 mm)	metre	238.14	49.00	11668.86	
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	24.00	1004.16	
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80	
7013	Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50mm)	metre	10.80	13.00	140.40	
7014	Galvanised Steel connecting clips (2.64mm dia and 230 mm long GI wire)	each	189.00	4.00	756.00	
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mmlong round head with slots	10 Nos	21.60	38.00	820.80	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	6.00	432.00	
7020	All drive screws (for gypsum board)	100 Nos	10.00	63.00	630.00	
7016	Joint filler	kilogram	22.81	25.00	570.25	
7017	Joint finisher	kilogram	34.21	23.00	786.83	
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	10.00	720.00	
7018	Joint Tape roll (120mm Roll)	roll	1.27	95.00	120.65	
7021	Primer (for gypsum board// calcium silicate board)	litre	18.66	75.00	1399.50	
9977	Carriage	L.S.	447.20	2.27	1015.14	
9999	Sundries i.e rawl plug, scaffolding etc.	L.S.	807.30	2.27	1832.57	
	LABOUR :					
0112	Carpenter 2nd class	day	31.10	816.00	25377.60	
0114	Beldar	day	31.10	736.00	22889.60	
0131	Painter	day	10.37	816.00	8461.92	
	TOTAL				114586.50	W
	Add 1 % Water charges on “W”				1145.87	
	TOTAL				115732.37	X
	Add GST on “X” (multiplying factor 0.2127)				24616.28	
	TOTAL				140348.65	Y
	Add 15% CPOH on “Y”				21052.30	
	TOTAL				161400.95	Z
	Add Cess @ 1% on “Z”				1614.01	
	Cost of 103.68 sqm.				163014.96	
	Cost of 1 sqm.				1572.29	
	Say				1572.30	

12.60 Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183,density 48 kg/m^3, 50 mm thick, wrapped in 200 G Virgin Polythene bags fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5mm x 24 gauge wire mesh, for top most ceiling of building.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm Area for 10.00 sqm. (Finished surface)=10.00sqm.+ Add 10% for ovelappings &wastage= 1.00sqm. Total= 11.00sqm					
7273	Resin Bonded Rockwool 48 kg/m3	sqm	11.00	117.00	1287.00	
9999	Sundries including GI wire 20 SWG and polythene bags 200gms	L.S.	104.00	2.27	236.08	
9999	GI chiken mesh 12.5mm x 24 SWG	L.S.	351.00	2.27	796.77	
	LABOUR					
0111	Carpenter 1st class	day	1.00	897.00	897.00	
0114	Beldar	day	2.00	736.00	1472.00	
	TOTAL				4688.85	W
	Add 1 % Water charges on “W”				46.89	
	TOTAL				4735.74	X
	Add GST on “X” (multiplying factor 0.2127)				1007.29	
	TOTAL				5743.03	Y
	Add 15% CPOH on “Y”				861.45	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				6604.48	Z
	Add Cess @ 1% on "Z"				66.04	
	Cost of 10 sqm.				6670.52	
	Cost of 1 sqm.				667.05	
	Say				667.05	

12.61 Providing and fixing thermal insulation with Resin bonded rock wool conforming to IS: 8183, density 48 kg/m³, 50 mm thick, wrapped in 200 G virgin Polythene bags placed over existing false ceilng and held in position by criss-crossing GI wire.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	Area for 10.00sqm. (Finished surface)=10.00sqm.+ Add 10% for ovelappings &wastage= 1.00sqm. Total= 11.00sqm					
7273	Resin Bonded Rockwool 48 kg/m3	sqm	11.00	117.00	1287.00	
9999	Sundries including GI wire 20 SWG and polythene bags 200gms	L.S.	52.00	2.27	118.04	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
	TOTAL				2221.54	W
	Add 1 % Water charges on "W"				22.22	
	TOTAL				2243.76	X
	Add GST on "X" (multiplying factor 0.2127)				477.25	
	TOTAL				2721.01	Y
	Add 15% CPOH on "Y"				408.15	
	TOTAL				3129.16	Z
	Add Cess @ 1% on "Z"				31.29	
	Cost of 10 sqm				3160.45	
	Cost of 1 sqm				316.05	
	Say				316.05	

12.62 Providing and fixing thermal insulation with Resin Bonded rock wool conforming to IS: 8183, having density 48 kg/m³, 50 mm thick,wrapped in 200 G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held and in position by criss cossing GI wire etc. complete as per directions of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 sqm					
	Area for 10.00sqm. (Finished surface)=10.00sqm.+ Add 10% for ovelappings &wastage= 1.00sqm. Total= 11.00sqm					
7273	Resin Bonded Rockwool 48 kg/m3	sqm	11.00	117.00	1287.00	
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram and Carriage	L.S.	52.00	2.27	118.04	
	LABOUR					
0111	Carpenter 1st class	day	0.50	897.00	448.50	
0114	Beldar	day	0.50	736.00	368.00	
9999	Sundries (screws & washers)	L.S.	20.00	2.27	45.40	
	TOTAL				2266.94	W
	Add 1 % Water charges on "W"				22.67	
	TOTAL				2289.61	X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Add GST on “X” (multiplying factor 0.2127)				487.00	
	TOTAL				2776.61	Y
	Add 15% CPOH on “Y”				416.49	
	TOTAL				3193.10	Z
	Add Cess @ 1% on “Z”				31.93	
	Cost of 10 sqm				3225.03	
	Cost of 1 sqm				322.50	
	Say				322.50	

12.63 Providing and applying two coats of High Albedo paint having minimum Solar Reflective Index (SRI) 108 (with solar reflectance & thermal emittance tested as per ASTMC 1549 and ASTMC 1371 respectively), VOC less than 10 cc/gm. The coating thickness and the methodology of application shall be strctly as per manufacturer’s specifications and as approved by Engineer-in-Charge. Surface preparation includes cleaning with metal wire brush to remove all dust, fungus etc., washing with water all complete. The contractor shall give guarantee for the perfomance of SRI and also the durabitity of coating, all complete as per direction of Engineer-in-Charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 10 Sqm.					
	MATERIALS :					
7238	High Albedo paint	kg	7.17	228.00	1634.76	
9977	Carriage of paint	L.S.	4.53	2.27	10.28	
	LABOUR :					
0114	Beldar (for cleanign the surface)	day	0.54	736.00	397.44	
0131	Painter	day	0.54	816.00	440.64	
9999	Sundries (Brushes & T&P etc.	L.S.	13.52	2.27	30.69	
	TOTAL				2513.81	W
	Add 1 % Water charges on “W”				25.14	
	TOTAL				2538.95	X
	Add GST on “X” (multiplying factor 0.2127)				540.03	
	TOTAL				3078.98	Y
	Add 15% CPOH on “Y”				461.85	
	TOTAL				3540.83	Z
	Add Cess @ 1% on “Z”				35.41	
	Cost of 10 Sqm.				3576.24	
	Cost of 1 Sqm.				357.62	
	Say				357.60	

12.64 Providing & fixing at all heights, levels and locations Mill finish Aluminium alloy roofing sheets of alloy IS designation 31500, temper Hx8 conforming to IS 737 and dimensions as per IS code 2676 with characteristics of good formability and corrosion resistance. The profile sheets shall be fixed to truss members in slope or required pitch or curvature with Hex cap headed self drilling/tapping Stainless steel screws M6, 50 mm long with 3 mm EPDM seal washer etc. all inclusive of labour, scaffolding, T&P and sundries etc. complete as per directions of the Engineer-In-Charge. (Cost of truss/frame work shall be paid separately).

12.64.1 0.56 mm, Aluminium troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 20 Nos x 10.70mx1.092m = 233.69sqm.					
	Add 3% wastage = 7.01sqm					
	Total = 240.70 sqm					
3051	Aluminium troughed profile sheet 0.56mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm)	sqm	240.70	564.00	135754.80	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				157113.70	W
	Add 1 % Water charges on "W"				1571.14	
	TOTAL				158684.84	X
	Add GST on "X" (multiplying factor 0.2127)				33752.27	
	TOTAL				192437.11	Y
	Add 15% CPOH on "Y"				28865.57	
	TOTAL				221302.68	Z
	Add Cess @ 1% on "Z"				2213.03	
	Cost of 216.14 sqm				223515.71	
	Cost of 1 sqm				1034.12	
	Say				1034.10	

12.64.2 0.71mm, Aluminium troughed profile with centre to centre pitch of 200mm, depth of 32mm, overall profile width 1092mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20x10m					
	(external diamensions of plinth)					
	Area of roof= 20.2x10.70m -216.14sqm					
	Material					
	= 20 nos x10.7x1.092m=233.69sqm +3% wastage =240.70sqm					
3052	Aluminium troughed profile sheet 0.71mm	sqm	240.70	702.00	168971.40	
9999	Carriage of sheets	LS	104.00	2.27	236.08	
3074	Stainless steel self tapping screws of 6x60mm with SS hex cap amd 3mm thick EPDM seal(per sqm 4 nos) 216.14x4 = 864.55 nos	100 nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	LS	8.06	2.27	18.3	
9999	Sundries	LS	39.52	2.27	89.71	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				190330.30	W
	Add 1 % Water charges on “W”				1903.30	
	TOTAL				192233.60	X
	Add GST on “X” (multiplying factor 0.2127)				40888.09	
	TOTAL				233121.69	Y
	Add 15% CPOH on “Y”				34968.25	
	TOTAL				268089.94	Z
	Add Cess @ 1% on “Z”				2680.90	
	Cost of 216.14 sqm				270770.84	
	Cost of 1 sqm				1252.76	
	Say				1252.75	

12.64.3 0.91 mm, troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 20 Nos x 10.70mx1.092m= 233.69sqm.					
	Add 3% wastage = 7.01sqm					
	Total = 240.70 sqm					
3053	Aluminium troughed profile sheet 0.91mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm	sqm	240.70	904.00	217592.80	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	8.65	511.00	4420.15	
	(per sqm 4 nos) 216.14x4=864.55 no’s					
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				238951.70	W
	Add 1 % Water charges on “W”				2389.52	
	TOTAL				241341.22	X
	Add GST on “X” (multiplying factor 0.2127)				51333.28	
	TOTAL				292674.50	Y
	Add 15% CPOH on “Y”				43901.18	
	TOTAL				336575.68	Z
	Add Cess @ 1% on “Z”				3365.76	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Cost of 216.14 sqm				339941.44	
	Cost of 1 sqm				1572.78	
	Say				1572.80	

12.64.4 0.56mm Aluminium profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 19 Nos x 10.70mx1.144m= 232.58sqm.					
	Add 3% wastage = 6.98sqm					
	Total = 239.56 sqm					
3054	Aluminium profile sheet 0.56mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	239.56	744.00	178232.64	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				199591.54	W
	Add 1 % Water charges on "W"				1995.92	
	TOTAL				201587.46	X
	Add GST on "X" (multiplying factor 0.2127)				42877.65	
	TOTAL				244465.11	Y
	Add 15% CPOH on "Y"				36669.77	
	TOTAL				281134.88	Z
	Add Cess @ 1% on "Z"				2811.35	
	Cost of 216.14 sqm				283946.23	
	Cost of 1 sqm				1313.71	
	Say				1313.70	

12.64.5 0.71mm Aluminium profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 19 Nos x 10.70mx1.144m= 232.58sqm.					
	Add 3% wastage = 6.98sqm					
	Total = 239.56 sqm					
3055	Aluminium profile sheet 0.71mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	239.56	936.00	224228.16	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	8.65	511.00	4420.15	
	(per sqm 4 nos) 216.14x4=864.55 no's					
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				245587.06	W
	Add 1 % Water charges on "W"				2455.87	
	TOTAL				248042.93	X
	Add GST on "X" (multiplying factor 0.2127)				52758.73	
	TOTAL				300801.66	Y
	Add 15% CPOH on "Y"				45120.25	
	TOTAL				345921.91	Z
	Add Cess @ 1% on "Z"				3459.22	
	Cost of 216.14 sqm				349381.13	
	Cost of 1 sqm				1616.46	
	Say				1616.45	

12.64.6 0.91mm Aluminium profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 19 Nos x 10.70mx1.144m= 232.58sqm.					
	Add 3% wastage = 6.98sqm					
	Total = 239.56 sqm					
3056	Aluminium profile sheet 0.91mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	239.56	1196.00	286513.76	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				307872.66	W
	Add 1 % Water charges on "W"				3078.73	
	TOTAL				310951.39	X
	Add GST on "X" (multiplying factor 0.2127)				66139.36	
	TOTAL				377090.75	Y
	Add 15% CPOH on "Y"				56563.61	
	TOTAL				433654.36	Z
	Add Cess @ 1% on "Z"				4336.54	
	Cost of 216.14 sqm				437990.90	
	Cost of 1 sqm				2026.42	
	Say				2026.40	

12.64.7 0.56mm Aluminium Circular (sinusoidal) profile with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 18 Nos x 10.70mx1.250m=					
	Total = 240.75sqm.					
	Add 3% wastage = 7.22sqm					
	Total = 247.97sqm					
3057	Aluminium Circular(sinusoidal) profile sheet 0.56mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm	sqm	247.97	534.00	132415.98	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Helper	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Total				153774.88	W
	Add 1 % Water charges on “W”				1537.75	
	TOTAL				155312.63	X
	Add GST on “X” (multiplying factor 0.2127)				33035.00	
	TOTAL				188347.63	Y
	Add 15% CPOH on “Y”				28252.14	
	TOTAL				216599.77	Z
	Add Cess @ 1% on “Z”				2166.00	
	Cost of 216.14 sqm				218765.77	
	Cost of 1 sqm				1012.15	
	Say				1012.15	

12.64.8 0.71mm Aluminium Circular (sinusoidal) profile with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 18 Nos x 10.70mx1.250m=					
	Total = 240.75sqm.					
	Add 3% wastage = 7.22sqm					
	Total = 247.97sqm					
3058	Aluminium Circular(sinusoidal) profile sheet 0.71mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm	sqm	247.97	684.00	169611.48	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	8.65	511.00	4420.15	
	(per sqm 4 nos) 216.14x4=864.55 no’s					
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Helper	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				190970.38	W
	Add 1 % Water charges on “W”				1909.70	
	TOTAL				192880.08	X
	Add GST on “X” (multiplying factor 0.2127)				41025.59	
	TOTAL				233905.67	Y
	Add 15% CPOH on “Y”				35085.85	
	TOTAL				268991.52	Z
	Add Cess @ 1% on “Z”				2689.92	
	Cost of 216.14 sqm				271681.44	
	Cost of 1 sqm				1256.97	
	Say				1256.95	

12.64.9 0.91mm Aluminium Circular (sinusoidal) profile with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 18 Nos x 10.70mx1.250m=					
	Total = 240.75sqm.					
	Add 3% wastage = 7.22sqm					
	Total = 247.97sqm					
3059	Aluminium Circular(sinusoidal) profile sheet 0.91mm thick with center to center pitch of 75 mm, depth of 19 mm, overall profile width 1250mm,cover width 1150mm	sqm	247.97	892.00	221189.24	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Helper	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				242548.14	W
	Add 1 % Water charges on "W"				2425.48	
	TOTAL				244973.62	X
	Add GST on "X" (multiplying factor 0.2127)				52105.89	
	TOTAL				297079.51	Y
	Add 15% CPOH on "Y"				44561.93	
	TOTAL				341641.44	Z
	Add Cess @ 1% on "Z"				3416.41	
	Cost of 216.14 sqm				345057.85	
	Cost of 1 sqm				1596.46	
	Say				1596.45	

12.65 Providing & fixing at all heights, levels and locations colour finish Aluminium alloy roofing sheets of alloy IS designation 31500, temper Hx8 conforming to IS 737 and dimensions as per IS code 2676 with characteristics of good formability and corrosion resistance. The profile sheets shall be fixed to truss members in slope or required pitch or curvature with Hex cap headed self drilling/tapping Stainless steel screws M6, 50 mm long with 3 mm EPDM seal washer etc. all inclusive of labour, scaffolding, T&P and sundries etc. complete as per directions of the Engineer-In-Charge. (Cost of truss/frame work shall be paid separately).

12.65.1 0.56 mm, Aluminium Colour coated troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 20 Nos x 10.70mx1.092m = 233.69sqm.					
	Add 3% wastage = 7.01sqm					
	Total = 240.70 sqm					
3060	Precoated Aluminium troughed profile sheet 0.56mm thcik with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm	sqm	240.70	654.00	157417.80	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				178776.70	W
	Add 1 % Water charges on "W"				1787.77	
	TOTAL				180564.47	X
	Add GST on "X" (multiplying factor 0.2127)				38406.06	
	TOTAL				218970.53	Y
	Add 15% CPOH on "Y"				32845.58	
	TOTAL				251816.11	Z
	Add Cess @ 1% on "Z"				2518.16	
	Cost of 216.14 sqm				254334.27	
	Cost of 1 sqm				1176.71	
	Say				1176.70	

12.65.2 0.71 mm, Aluminium Colour coated troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 20 Nos x 10.70mx1.092m = 233.69sqm.					
	Add 3% wastage = 7.01sqm					
	Total = 240.70 sqm					
3061	Precoated Aluminium troughed profile sheet 0.71mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm	sqm	240.70	814.00	195929.80	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				217288.70	W
	Add 1 % Water charges on "W"				2172.89	
	TOTAL				219461.59	X
	Add GST on "X" (multiplying factor 0.2127)				46679.48	
	TOTAL				266141.07	Y
	Add 15% CPOH on "Y"				39921.16	
	TOTAL				306062.23	Z
	Add Cess @ 1% on "Z"				3060.62	
	Cost of 216.14 sqm				309122.85	
	Cost of 1 sqm				1430.20	
	Say				1430.20	

12.65.3 0.91 mm, Aluminium Colour coated troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 20 Nos x 10.70mx1.092m = 233.69sqm.					
	Add 3% wastage = 7.01sqm					
	Total = 240.70 sqm					
3062	Precoated Aluminium troughed profile sheet 0.91mm thick with center to center pitch of 200 mm, depth of 32 mm, overall profile width1092 mm, cover width 1000mm	sqm	240.70	1046.00	251772.20	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				273131.10	W
	Add 1 % Water charges on "W"				2731.31	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				275862.41	X
	Add GST on “X” (multiplying factor 0.2127)				58675.93	
	TOTAL				334538.34	Y
	Add 15% CPOH on “Y”				50180.75	
	TOTAL				384719.09	Z
	Add Cess @ 1% on “Z”				3847.19	
	Cost of 216.14 sqm				388566.28	
	Cost of 1 sqm				1797.75	
	Say				1797.75	

12.65.4 0.56mm Aluminium colour profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 19 Nos x 10.70mx1.144m= 232.58sqm.					
	Add 3% wastage = 6.98sqm					
	Total = 239.56 sqm					
3063	Aluminium color coated profile sheet 0.56mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	239.56	852.00	204105.12	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no’s	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				225464.02	W
	Add 1 % Water charges on “W”				2254.64	
	TOTAL				227718.66	X
	Add GST on “X” (multiplying factor 0.2127)				48435.76	
	TOTAL				276154.42	Y
	Add 15% CPOH on “Y”				41423.16	
	TOTAL				317577.58	Z
	Add Cess @ 1% on “Z”				3175.78	
	Cost of 216.14 sqm				320753.36	
	Cost of 1 sqm				1484.01	
	Say				1484.00	

12.65.5 0.71mm Aluminium colour coated profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 19 Nos x 10.70mx1.144m= 232.58sqm.					
	Add 3% wastage = 6.98sqm					
	Total = 239.56 sqm					
3064	Aluminium color coated profile sheet 0.71mm thick with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	239.56	1094.00	262078.64	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	8.65	511.00	4420.15	
	(per sqm 4 nos) 216.14x4=864.55 no's					
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				283437.54	W
	Add 1 % Water charges on "W"				2834.38	
	TOTAL				286271.92	X
	Add GST on "X" (multiplying factor 0.2127)				60890.04	
	TOTAL				347161.96	Y
	Add 15% CPOH on "Y"				52074.29	
	TOTAL				399236.25	Z
	Add Cess @ 1% on "Z"				3992.36	
	Cost of 216.14 sqm				403228.61	
	Cost of 1 sqm				1865.59	
	Say				1865.60	

12.65.6 0.91mm Aluminium colour coated profile with center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Sheets used = 19 Nos x 10.70mx1.144m= 232.58sqm.					
	Add 3% wastage = 6.98sqm					
	Total = 239.56 sqm					
3065	Aluminium color coated profile sheet 0.91mm thick ith center to center pitch of 175 mm, depth of 46mm, top crest width of 41mm, bottom valley width of 80mm, overall profile width of 1144mm, cover width 1050mm	sqm	239.56	1392.00	333467.52	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	8.65	511.00	4420.15	
	(per sqm 4 nos) 216.14x4=864.55 no's					
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				354826.42	W
	Add 1 % Water charges on "W"				3548.26	
	TOTAL				358374.68	X
	Add GST on "X" (multiplying factor 0.2127)				76226.29	
	TOTAL				434600.97	Y
	Add 15% CPOH on "Y"				65190.15	
	TOTAL				499791.12	Z
	Add Cess @ 1% on "Z"				4997.91	
	Cost of 216.14 sqm				504789.03	
	Cost of 1 sqm				2335.47	
	Say				2335.45	

12.65.7 0.56 mm Aluminium profile with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 22 Nos x 10.70mx0.987m= 232.34sqm.					
	Add 3% wastage = 6.97sqm					
	Total = 239.31 sqm					
3066	Aluminium profile sheet 0.56mm thick with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm	sqm	239.31	686.00	164166.66	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				185525.56	W
	Add 1 % Water charges on "W"				1855.26	
	TOTAL				187380.82	X
	Add GST on "X" (multiplying factor 0.2127)				39855.90	
	TOTAL				227236.72	Y
	Add 15% CPOH on "Y"				34085.51	
	TOTAL				261322.23	Z
	Add Cess @ 1% on "Z"				2613.22	
	Cost of 216.14 sqm				263935.45	
	Cost of 1 sqm				1221.13	
	Say				1221.15	

12.65.8 0.71 mm Aluminium profile with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 216.14 sqm.					
	Consider a shed of 20 x 10 meters.					
	(External dimensions of plinth)					
	Area of roof- 20.20x10.70m = 216.14 sqm.					
	MATERIAL:					
	Sheets used = 22 Nos x 10.70mx0.987m= 232.34sqm.					
	Add 3% wastage = 6.97sqm					
	Total = 239.31 sqm					
3067	Aluminium profile sheet 0.71mm thick with center to center pitch of 177.5 mm, depth of 28.5 mm, 987mm overall profile width, cover width 900mm	sqm	239.31	884.00	211550.04	
9999	Carriage of sheets	L.S.	104.00	2.27	236.08	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal (per sqm 4 nos) 216.14x4=864.55 no's	100 Nos	8.65	511.00	4420.15	
9999	Carriage of screws, washers	L.S.	8.06	2.27	18.30	
9999	Sundries	L.S.	39.52	2.27	89.71	
	LABOUR:					
0130	Mistry	day	2.34	897.00	2098.98	
0112	Carpenter 2nd class	day	9.34	816.00	7621.44	
0114	Beldar	day	9.34	736.00	6874.24	
	Total				232908.94	W
	Add 1 % Water charges on "W"				2329.09	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				235238.03	X
	Add GST on “X” (multiplying factor 0.2127)				50035.13	
	TOTAL				285273.16	Y
	Add 15% CPOH on “Y”				42790.97	
	TOTAL				328064.13	Z
	Add Cess @ 1% on “Z”				3280.64	
	Cost of 216.14 sqm				331344.77	
	Cost of 1 sqm				1533.01	
	Say				1533.00	

12.66 Providing and fixing of Pre-coated colour or mill finish Aluminium Roofing Accessories in 0.71 mm thickness ,Alloy 31500 (IS designation) [Aluminium Alloy (AA) 3004 (ISO designation)] For color, coating shall be 5-7 microns epoxy primer on both sides of the sheet and polyester top coat 15-18 microns, using self drilling/tapping SS screws of size 6 x 50mm with 3mm thick EPDM seal and SS plain washer complete :

12.66.1 Precoated/mill finish aluminium Ridges plain (500- 600mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost for 20.20 metre					
	One piece plain ridges					
	Consider a shed of 20x10m (external dimensions at plinth)					
	Length of ridges 20.2 metre + 5% wastage = 1.01 metre. Total =23.11 metre.					
	MATERIAL					
3068	Precoated/Mill finish Aluminium plain ridges 0.71 mm TCT/plain and 500- 600 mm wide	metre	23.11	576.00	13311.36	
9977	Carriage (The ridge is to be fixed with the same screws as the Sheets)	L.S.	13.52	2.27	30.69	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0130	Mistry	day	0.14	897.00	125.58	
0112	Carpenter 2nd class	day	0.55	816.00	448.80	
0114	Beldar	day	1.64	736.00	1207.04	
	Total				15138.82	W
	Add 1 % Water charges on “W”				151.39	
	TOTAL				15290.21	X
	Add GST on “X” (multiplying factor 0.2127)				3252.23	
	TOTAL				18542.44	Y
	Add 15% CPOH on “Y”				2781.37	
	TOTAL				21323.81	Z
	Add Cess @ 1% on “Z”				213.24	
	Cost of 20.20 metre				21537.05	
	Cost of 1 metre				1066.19	
	Say				1066.20	

12.66.2 Precoated/mill finish aluminium Flashings/ Aprons (Upto 600 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details for shed of 20.2 metres completed length					
	MATERIAL					
	Length of ridges 20.2 metre + 5% wastage = 1.01 metre. Total =23.11 metre.					
3069	Precoated/Mill finish Aluminium flashings/ aprons 0.50mm TCT/plain and wide upto 600 mm	metre	23.11	561.00	12964.71	
9977	Carriage of apron pieces. (The apron pieces are to be fixed with the same screws as the sheets)	L.S.	3.25	2.27	7.38	
9999	Sundries	L.S.	3.25	2.27	7.38	
	LABOUR					
0130	Mistry	day	0.07	897.00	62.79	
0112	Carpenter 2nd class	day	0.28	816.00	228.48	
0114	Beldar	day	0.82	736.00	603.52	
	Total				13874.26	W
	Add 1 % Water charges on “W”				138.74	
	TOTAL				14013.00	X
	Add GST on “X” (multiplying factor 0.2127)				2980.57	
	TOTAL				16993.57	Y
	Add 15% CPOH on “Y”				2549.04	
	TOTAL				19542.61	Z
	Add Cess @ 1% on “Z”				195.43	
	Cost of 20.20 metre				19738.04	
	Cost of 1 metre				977.13	
	Say				977.15	

12.66.3 Precoated/mill finish aluminium North light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of North light curve 20.20 metres long complete length					
	MATERIAL					
	Length of ridges 20.2 metre + 5% wastage = 1.01 metre. Total =23.11 metre.					
3070	Precoated/Mill finish Aluminium plain north light cuves	metre	23.11	592.00	13681.12	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	0.40	511.00	204.40	
9977	Carriage of screws, washers and curves	L.S.	9.88	2.27	22.43	
9999	Sundries	L.S.	6.24	2.27	14.16	
	LABOUR					
0130	Mistry	day	0.10	897.00	89.70	
0112	Carpenter 2nd class	day	0.30	816.00	244.80	
0114	Beldar	day	1.00	736.00	736.00	
	Total				14992.61	W
	Add 1 % Water charges on “W”				149.93	
	TOTAL				15142.54	X
	Add GST on “X” (multiplying factor 0.2127)				3220.82	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				18363.36	Y
	Add 15% CPOH on "Y"				2754.50	
	TOTAL				21117.86	Z
	Add Cess @ 1% on "Z"				211.18	
	Cost of 20.20 metre				21329.04	
	Cost of 1 metre				1055.89	
	Say				1055.90	

12.66.4 Precoated/mill finish aluminium Barge board (Upto 200 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 8.23 metres Completed length of barge boards					
	MATERIAL					
	length of barge boards = 8.23 metre + Add wastage @ 5% = 0.41 metre. Total = 8.64 metre					
3071	Precoated/mill finish aluminium Barge board (Upto 200 mm)	metre	8.64	493.00	4259.52	
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	11.00	5.50	
1211	Washer for seam bolts	100 Nos	0.10	32.00	3.20	
3075	EPDM washer	100 Nos	0.50	41.00	20.50	
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	2.27	21.25	
9999	Sundries	L.S.	6.76	2.27	15.35	
	LABOUR					
0130	Mistry	day	0.04	897.00	35.88	
0112	Carpenter 2nd class	day	0.06	816.00	48.96	
0114	Beldar	day	0.40	736.00	294.40	
	Total				4704.56	W
	Add 1 % Water charges on "W"				47.05	
	TOTAL				4751.61	X
	Add GST on "X" (multiplying factor 0.2127)				1010.67	
	TOTAL				5762.28	Y
	Add 15% CPOH on "Y"				864.34	
	TOTAL				6626.62	Z
	Add Cess @ 1% on "Z"				66.27	
	Cost of 8.23 metre				6692.89	
	Cost of 1 metre				813.23	
	Say				813.25	

12.66.5 Precoated/mill finish aluminium Crimp curve

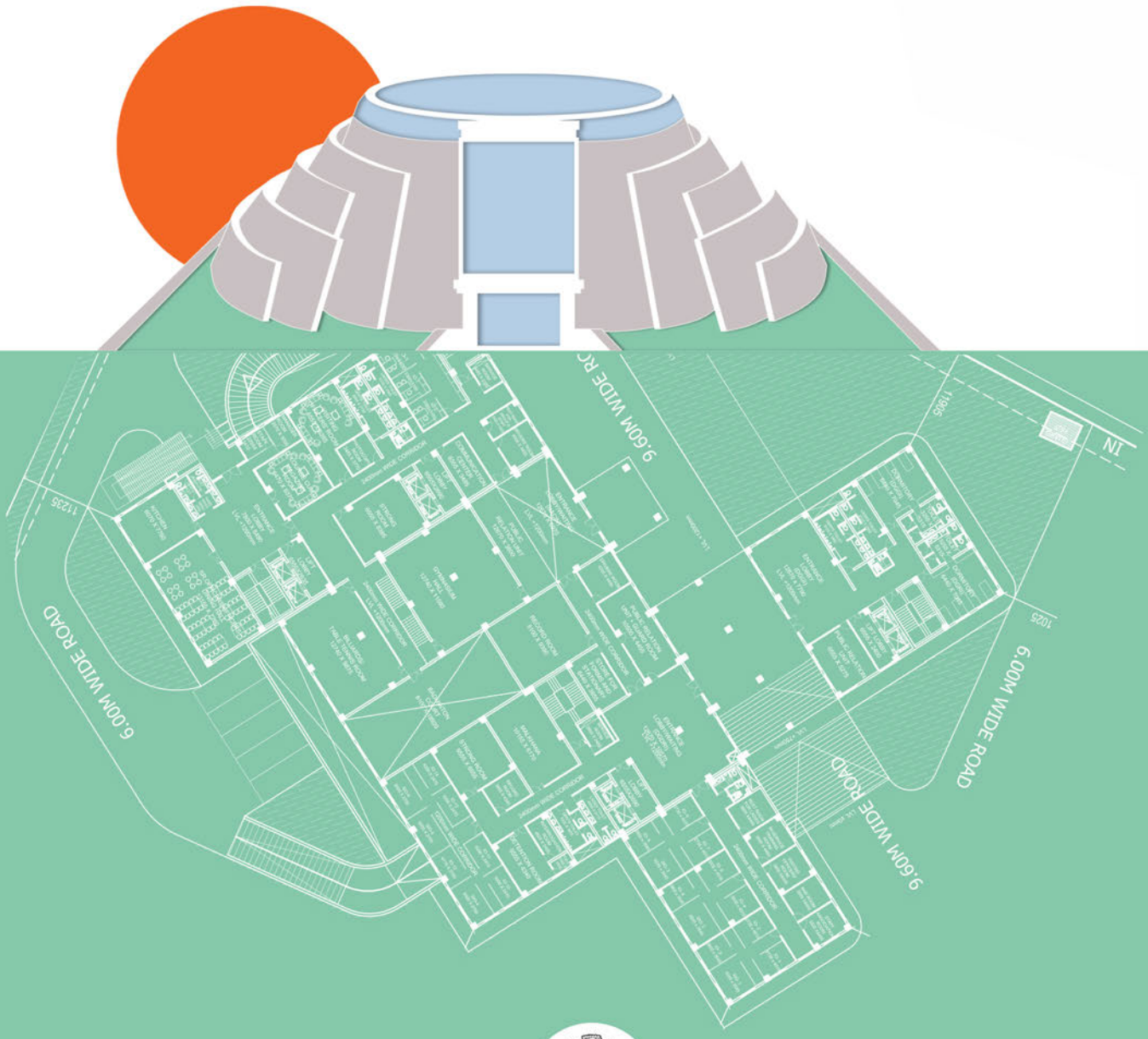
Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Details of cost for 21.412 sqm					
	MATERIAL					
	crimp curve 20.2 metres long complete length and 1.06 metre wide					
	Area 20.20 x 1.06 = 21.412 sqm + Add wastage @ 5% = 1.071 sqm. Total = 22.483 sqm.					
3072	Precoated/Mill finish Aluminium crimp curve	sqm	22.48	554.00	12455.58	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	0.40	511.00	204.40	
9977	Carriage of screws, washers and curves	L.S.	9.88	2.27	22.43	
9999	Sundries	L.S.	6.24	2.27	14.16	
	LABOUR				0.00	
0130	Mistry	day	0.10	897.00	89.70	
0112	Carpenter 2nd class	day	0.30	816.00	244.80	
0114	Beldar	day	1.00	736.00	736.00	
	Total				13767.07	W
	Add 1 % Water charges on “W”				137.67	
	TOTAL				13904.74	X
	Add GST on “X” (multiplying factor 0.2127)				2957.54	
	TOTAL				16862.28	Y
	Add 15% CPOH on “Y”				2529.34	
	TOTAL				19391.62	Z
	Add Cess @ 1% on “Z”				193.92	
	Cost of 21.412 metre				19585.54	
	Cost of 1 metre				914.70	
	Say				914.70	

12.66.6 Precoated/mill finish aluminium Gutter (600 mm over all girth)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	Detail of cost of 100 metre 0.63mm thick with zinc coating not less than 275gm/ sqm Consider a length of 100m					
3073	Precoated/Mill finish Aluminium gutter	metre	100.000	736.00	73600.00	
9977	Carriage of gutter	L.S.	10.400	2.27	23.61	
1008	Flats upto 10 mm in thickness	quintal	0.749	5450.00	4082.05	
3074	Stainless steel self tapping screw of 6x50mm with SS hex cap and 3mm thick EPDM seal	100 Nos	2.000	511.00	1022.00	
3076	Stainless steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	300.000	41.00	12300.00	
9977	Carriage of screws, seam bolts & washer	L.S.	27.300	2.27	61.97	
9999	Sundries	L.S.	53.300	2.27	120.99	
	LABOUR					
0102	Blacksmith 1st class	day	5.000	897.00	4485.00	
0114	Beldar	day	5.000	736.00	3680.00	
9999	Sundries	L.S.	126.100	2.27	286.25	
0130	Mistry	day	2.800	897.00	2511.60	
0102	Blacksmith 1st class	day	8.400	897.00	7534.80	
0112	Carpenter 2nd class	day	6.200	816.00	5059.20	
0114	Beldar	day	16.800	736.00	12364.80	
	Total				127132.27	W
	Add 1 % Water charges on “W”				1271.32	
	TOTAL				128403.59	X
	Add GST on “X” (multiplying factor 0.2127)				27311.44	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹	
	TOTAL				155715.03	Y
	Add 15% CPOH on “Y”				23357.25	
	TOTAL				179072.28	Z
	Add Cess @ 1% on “Z”				1790.72	
	Cost of 100 metre				180863.00	
	Cost of 1 metre				1808.63	
	Say				1808.65	



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