



सत्यमेव जयते

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

**ANALYSIS OF RATES
FOR DELHI**

(VOL. 1)

2016



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FOREWORD

Central Public Works Department Analysis of Rates for Delhi is a very comprehensive and useful document forming basis for the rates of various items. It is based on scientific assessment of Inputs of materials, labour and machinery in various items of work normally involved in civil construction projects.

It was first compiled in the year 1950, followed by subsequent publication or revision in the years 1955, 1962, 1972, 1977, 1985, 1997, 2007, 2012, 2013 & 2014. Since publication of Analysis of Rates for Delhi 2014, prices of labour and materials have registered some changes. Besides the decrease in the cost of Cement and Steel, a number of new construction materials have also emerged. Innovation & introduction of new technology and mechanization of construction techniques have also taken place. This has necessitated revision of existing Analysis of Rates for Delhi 2014 to include the above changes. Accordingly, this Analysis of Rates for Delhi 2016 has been prepared.

The analysis of existing items has been updated in conformity with updated items of works in DSR 2016.

I wish to place on record the technical input and the effective coordination on the part of Shri Abhai Sinha, Special D.G.(HQ), Shri Balraj Chadha, ADG (TD), Shri M.K. Sharma, Chief Engineer(CSQ) and the efforts put in by Shri S.P. Chaudhary, Director (Tech & PR) and team of officers in CSQ unit in finalizing Analysis of Rates for Delhi 2016 in a record time.

I am sure that C.P.W.D. Analysis of Rates for Delhi 2016 shall be very useful document to various Central Govt. Ministries, Departments & Public Sector Undertakings also besides various units of CPWD.

(Divakar Garg)
DIRECTOR GENERAL

Place : New Delhi
Date : July, 2016

PREFACE

1. C.P.W.D. Analysis of Rates for Delhi 2016 is the revised edition of C.P.W.D. Analysis of Rates for Delhi 2014.
2. Analysis of Rates for Delhi 2016 incorporates most of the analysis of items of Analysis of Rates for Delhi 2014 with updated correction slips, including analysis of existing items and also corresponding new items introduced in DSR 2016.
3. Analysis of Rates for Delhi, 2016 is published in two volumes i.e. volume I & II as under:

Volume Number	Sub-head No.	Content/ Sub-head
One	00	Basic Rates
	01	Carriage of Materials
	02	Earth Work
	03	Mortars
	04	Concrete Work
	05	Reinforced Cement Concrete
	06	Brick Work
	07	Stone Work
	08	Marble & Granite Work
	09	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
	20	Pile work
	21	Aluminium Work
	22	Water Proofing
	23	Rain Water Harvesting & Tubewells
	24	Conservation of Heritage Buildings.
	25	Structural Glazing Aluminium Composite Panel
	26	New Technologies and Materials

4. Analysis of few existing items in sub head - 4 (RCC Work) and 18 (Water Supply) have been deleted. Similarly, analysis of many items have been modified to correspond to items of DSR 2016. Several new analysis and sub items have been introduced in Analysis of Rates for Delhi 2016. Labour coefficients for items of dry stone cladding, stone jali work in sub head 07 have also been modified. Similarly, the labour coefficient for marble work 08 have also been modified.
5. Analysis of Rates for Delhi, 2016 is based on the study of current market rates of materials at Delhi, prevailing as on 01-04-2016. The basic rates of materials, incorporated in the analysis, pertain to materials conforming to BIS Standards/ CPWD Specifications/Materials of good quality generally available in the market. Labour rates are taken from the minimum wages issued by the Government of Delhi and Central Govt. (whichever is higher) w.e.f. 01.04.2016.
6. The nomenclatures of main items have been printed along with the analysis of first Sub item only to conserve the space and number of pages.
7. Sundries have been considered as 1.73 times based on Cost Index of Delhi as on 01.04.2016 (102) with base as per PAR-2012 as 100.
8. Lot of efforts have gone into the preparation of this Analysis of Rates for Delhi 2016. I convey my deep appreciation and sincere thanks to Shri M K Sharma CE(CSQ), Shri S P Chaudhary, Director (T& PR), Shri P.P Singh, SE (QA-cum-TLC), Shri S.K. Srivastava, E EE (QA) Shri D.K. Choudhary, EE (QA) and team, Shri Sanjeev Rastogi , SE (C& M), Shri Virender Kumar, EE (C), Shri Keshav Ram, EE (M) and his team, Shri R B Garg, EE(TAS-II), Shri K R Meena, EE(TAD) and his team, Shri D.S. Adhikari, AE (QA) and other officers and staff of CSQ unit whose names are not mentioned here, for sincere efforts made in the preparation of this document in such a short time. Various Committees and field units, who contributed field inputs, also deserve appreciation for their timely help.
9. Due care has been taken to print the C.P.W.D. Analysis of Rates for Delhi as correctly as possible. It is, however possible that some errors might have crept in. In case any error or omission is noticed, it may be brought to the notice of the Superintending Engineer (TAS), CPWD, Room no. 418, A-wing, Nirman Bhawan, New Delhi.



(Balraj Chadha)

ADG (TD), CPWD,
Nirman Bhawan, New Delhi.

New Delhi

Dated: July, 2016

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BASIC RATES

BASIC RATES

0.1 HIRE CHARGES OF PLANTS & MACHINERY

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

Code No.	Description	Unit	Rate ₹
0001	Hire charges of Coaltar Boiler 900 to 1400 litres	day	800.00
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with Hopper	day	800.00
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	2200.00
0004	Production cost of concrete by batch mix plant	cum	400.00
0005	Hire charges of Diesel Truck - 9 tonne	day	2000.00
0006	Hire charges of Spraying machine including electric charges	day	250.00
0007	Hire charges of Coaltar Sprayer	day	250.00
0008	Hire charges of Barber green, drying, mixing and Asphalt Plant, with accessories, capacity 30/45 tonne	day	7700.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	200.00
0010	Hire charges of Derrick monkey rope	day	800.00
0011	Hire charges of Pump set of capacity 4000 litres/hour	day	650.00
0012	Vibrator (Needle type 40 mm)	day	350.00
0013	Machine for rubbing of floors	day	350.00
0014	Front end loader capacity 1.00 cum	day	6000.00
0015	Hire and running charges of Tripod and Mechanical Winch machine complete with power unit and accessories	day	2000.00
0016	Mastic Cooker	day	750.00
0017	Hire and running charges of tipper	day	1800.00
0018	Hire and running charges of loader	day	6000.00
0019	Hand Grinder for mirror polish	day	250.00
0020	Hydraulic Excavator (3D) with driver and fuel	day	6500.00
0021	Pin vibrator	day	250.00
0022	Surface Vibrator	day	250.00
0023	Hot Bitumen Mixer 0.5 cum i/c hand cart	day	3500.00
0024	Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site	day	34000.00
0025	Hire and running charges of light crane	day	2500.00

BASIC RATES : 0.1 - HIRE CHARGES OF PLANTS & MACHINERY

Code No.	Description	Unit	Rate ₹
0026	Hire and running charges of bentonite pump	day	4200.00
0027	Hire and running charges of vibrating pile driving hammer complete with power unit and accessories	day	35000.00
0028	Hire and running charges of crane 20 tonne capacity	day	9300.00
0029	Carriage of concrete by transit mixer	km/cum	23.00
0030	Generator 250 KVA	day	2500.00
0033	Paint applicator	day	800.00
0037	Mobile crane	day	7500.00
0038	Tractor with ripper attachment	day	1100.00
0039	Tractor with trolley	day	1250.00
0040	Air compressor 250 cfm with two leads for pneumatic cutters / hammers	day	1500.00
0041	Joint cutting machine with 2-3 blades	day	750.00
0042	C.C .batch mix plant	day	10000.00
0043	Road sweeper	day	550.00
0045	Slip form paver with sensor	day	13000.00
0046	Water tanker 5000 litre	day	1100.00
0047	Concrete joint cutting machine	day	900.00
0048	Texturing machine	day	925.00
0049	Dozer D-80-A 12	hour	2000.00
0050	Motor Grader 3.35 metre blade	hour	2100.00
0051	Hydraulic Excavator of 1 cum bucket	hour	800.00
0052	Front end loader 1 cum bucket capacity	hour	800.00
0053	Tipper-5 Cum	tonne km	3.00
0054	Vibratory roller 8 to 10 tonne	hour	650.00
0055	Smooth Wheeled Roller 8 to 10 tonne	hour	200.00
0056	Tandem Road Roller	hour	1150.00
0057	Water Tanker 5 to 6 KL capacity	hour	200.00
0058	Air compressor	hour	200.00
0059	Wet Mix Plant 60 TPH	hour	750.00
0060	Mechanical Broom Hydraulic	hour	200.00
0061	Emulsion Pressure Distributor of capacity 1750 sqm per hour	hour	800.00

BASIC RATES : 0.1 - HIRE CHARGES OF PLANTS & MACHINERY

Code No.	Description	Unit	Rate ₹
0062	Hot mix Plant -120 TPH capacity	hour	15000.00
0063	Hot mix Plant 100 TPH Capacity	hour	13000.00
0064	Paver finisher Hydrostatic with sensor control 100 TPH	hour	1500.00
0065	Paver finisher Mechanical 100 TPH	hour	700.00
0066	Batching and Mixing Plant @ 75 cum per hour	hour	2500.00
0068	Concrete Paver finisher with 40 HP Motor and sensor	hour	2500.00
0069	Generator 250 KVA	hour	400.00
0070	Generator 100 KVA/125 KVA	hour	300.00
0071	Truck 5.5 cum/10 tonnes	tonne km	3.00
0075	Road sweeper (Mechanical Broom) @ 1250 sqm per hour	hour	300.00
0076	Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output	hour	11000.00
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	7500.00
0081	Pile Integrity testing equipment	day	3000.00
0082	Excavation of Diaphragm wall by Mechanical Grab	sqm	1500.00
0083	Hire charges of TATA 407 or equivalent for local shifting.	day	1400.00
<p>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 all the taxes. 2. The hire charges of plant machinery on per day basis are for single shift of eight working hours.</p>			
0084	Hire charges of diesel truck - 9 tonne (witout POL)	day	1460.00
0085	Using cost of Ultra Violet Radiation tube	Hour	189.00
0086	Compressor, gun, rubber pipes & other accessories- hire charge of plant & machinery i/c necessary fuel	day	4000.00
0087	Hire Charges of Suction Jeting machine 2200 PSI machine i/c POL and operator	day	36000.00
0088	Hire charges of Drill machine upto 30 mm dia	day	150.00
0089	Hire charges of sand blasting equipment	day	400.00
0090	Hire charges of compressor	day	600.00
0091	Welding charges of shear key to existing reinforcement	each	2.00
0092	Hire charges of plant and Machinery that can inject 350 kg/day	day	100.00

BASIC RATES : 0.1 - HIRE CHARGES OF PLANTS & MACHINERY

BASIC RATES

0.2 LABOUR

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

Code No.	Description	Unit	Rate ₹
0100	Bandhani	day	407.00
0101	Bhisti	day	407.00
0102	Blacksmith 1st class	day	487.00
0103	Blacksmith 2nd class	day	448.00
0111	Carpenter 1st class	day	487.00
0112	Carpenter 2nd class	day	448.00
0113	Chowkidar	day	368.00
0114	Beldar	day	368.00
0115	Coolie	day	368.00
0116	Fitter (grade 1)	day	487.00
0117	Assistant Fitter or 2nd class Fitter	day	448.00
0119	Glazier	day	448.00
0122	Mason (for plaster of paris work) 1st class	day	487.00
0123	Mason (brick layer) 1st class	day	487.00
0124	Mason (brick layer) 2nd class	day	448.00
0125	Mason (for plain stone work) 2nd class	day	448.00
0126	Mason (for ornamental stone work) 1st class	day	487.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	487.00
0128	Mate	day	407.00
0129	Sewer man	day	390.00
0130	Mistry	day	487.00
0131	Painter	day	448.00
0132	Rock Excavator	day	368.00
0133	Rock Breaker	day	368.00
0134	Rock Hole Driller	day	368.00
0135	Stone Chiseller	day	407.00
0138	Sprayer (for bitumen, tar etc.)	day	407.00
0139	Skilled Beldar (for floor rubbing etc.)	day	407.00
0141	White Washer	day	407.00

Code No.	Description	Unit	Rate ₹
0154	Nozzel man/ gun man	day	487.00
0155*	Mason (average)	day	467.00
0156*	Carpenter (average)	day	467.00
0157	Operator (Pile/ Special machine)	day	487.00
0159	Skilled torch operator for laying tack	day	487.00
0160	Technician	day	775.00
0161	Helper (Technician)	day	368.00
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	485.00
0163	Labour for installation of uPVC extruded casement/ sliding windows and doors including scaffolding	sqm	430.00
0164	Security guard without gun (8 hours shift duty per day)	day	407.00
0165	Security guard with gun (8 hours shift duty per day)	day	448.00

***Note:These rates are average of 1st class and 2nd class catogories.These are for use in the analysis of rates only.**

BASIC RATES

0.3 MATERIALS

Note :- These rates are exclusive of contractor's profit and over heads and carriage but include octroi,royalty, excise duty (ED), sales tax (VAT) etc.

Code No.	Description	Unit	Rate ₹
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	37.00
0223	Fibre (high impact poly propelene reinforced) cement corrugated sheet 6 mm thick	sqm	225.00
0224	Fibre (high impact poly propelene reinforced) cement close fitting adjustable ridge	metre	210.00
0225	Fibre (high impact poly propelene reinforced) cement corrugate serrated adjustable ridge	metre	210.00
0226	Fibre (high impact poly propelene reinforced) cement plain wing adjustable ridge	metre	210.00
0227	Fibre (high impact poly propelene reinforced) cement unserrated adjustable ridge for hips	metre	210.00
0228	Fibre (high impact poly propelene reinforced) cement corrugated apron piece	metre	200.00
0229	Fibre (high impact poly propelene reinforced) cement eaves filler piece	each	175.00
0230	Fibre (high impact poly propelene reinforced) cement north light curves	metre	280.00
0231	Fibre (high impact poly propelene reinforced) cement ventilator curves	each	310.00
0232	Fibre (high impact poly propelene reinforced) cement barge boards boards 6 mm thick	metre	400.00
0233	Fibre (high impact poly propelene reinforced) cement ridge finial	pair	165.00
0234	Fibre (high impact poly propelene reinforced) cement special north light curves	each	555.00
0235	Fibre (high impact poly propelene reinforced) cement S type louvers	each	260.00
0236	Multi purpose fibre (high impact poly propelene reinforced) cement board 6 mm thick	sqm	210.00
0237	Multi purpose fibre (high impact poly propelene reinforced) cement board 8 mm thick	sqm	215.00
0238	6 mm thick heavy duty fiber cement board	sqm	440.00
0239	8mm thick heavy duty fiber cement board	sqm	322.00
0240	9 mm thick heavy duty fiber cement board	sqm	659.00
0241	12.5 mm thick Gypsum plaster board	sqm	160.00
0242	6 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	205.00
0243	8 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276	sqm	210.00
0285	Brick Aggregate (Single size) : 63 mm nominal size	cum	750.00
0286	Brick Aggregate (Single size) : 50 mm nominal size	cum	750.00
0287	Brick Aggregate (Single size) : 40 mm nominal size	cum	750.00
0291	Stone Aggregate (Single size) : 63 mm nominal size	cum	1150.00
0292	Stone Aggregate (Single size) : 50 mm nominal size	cum	1150.00
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	1250.00

Code No.	Description	Unit	Rate ₹
0294	Stone Aggregate (Single size) : 25 mm nominal size	cum	1250.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	1300.00
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	1300.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	1300.00
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	1300.00
0302	Safeda ballies 125 mm diameter	metre	35.00
0303	Cowdung	cum	50.00
0304	Bajri	cum	1200.00
0305	Bamboo 25 mm dia 2.5 metre long	score	400.00
0308	Bhusa	quintal	600.00
0309	Paving bitumen of grade VG-10 of approved quality	tonne	29600.00
0310	Bitumen emulsion	tonne	26395.00
0312	Bitumen grade PMB - 40	tonne	38550.00
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	34561.00
0314	Bitumen hot sealing compound : grade A	kg	28.00
0316	Bitumen solution primer of approved quality	litre	50.00
0317	Premoulded joint filler 12 mm thick	sqm	303.00
0318	Bitumen felt fibre base (vegetable or animal):As per IS 7193 Grade I	sqm	70.00
0319	Bitumen felt as per IS 7193 Grade II	sqm	80.00
0322	Bitumen felt :Type 3 grade 1	sqm	70.00
0323	Separation Membrane of impermeable plastic sheeting 125 micron thick	sqm	12.00
0324	Coal Tar	litre	30.00
0325	Blasting powder	kg	35.00
0326	Blasting fuse (fuse wire)	each	15.00
0328	White face insulating board: 12 mm thick	sqm	250.00
0332	Natural colour insulating board: 12 mm thick	sqm	220.00
0336	Flame retardant face insulating board: 12 mm thick	sqm	330.00
0339	Flame retardant face insulating, Impregnated fibre board 12 mm thick	sqm	350.00
0341	Flat pressed 3 layer particle board (medium density) Grade 1, 12 mm thick	sqm	330.00
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	270.00
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	180.00
0348	Extra for veneered particle board with Teak veneering on both sides	sqm	500.00
0349	Curing compound	litre	30.00
0351	Integral crystalline slurry	kg	270.00
0352	Integral crystalline admixture	kg	309.00
0353	Crystalline mortar	kg	248.00
0354	Integral crystalline dry shake	kg	412.00
0355	Swellable type water stop tape	metre	416.00
0356	Primer for swellable type water stop tape	litre	1750.00
0357	Polymer modified adhesive mortar	kg	14.50
0362	Brick bats	cum	500.00
0364	Wire brush	each	20.00
0365	Soft brush	each	18.00

Code No.	Description	Unit	Rate ₹
0367	Portland Cement (OPC-43 Grade)	tonne	5700.00
0368	White Cement	tonne	11200.00
0369	Plastic sheat,1.25 mm thick for dowel bars	sqm	30.00
0370	Coal (steam)	quintal	400.00
0371	Sealant primer	kg	125.00
0373	Cramp Gun metal 25x6x300 mm	each	80.00
0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	sqm	450.00
0378	Brass butt hinges (light/ordinary type) : 125x70x4 mm	10 Nos	850.00
0379	Brass butt hinges (light/ordinary type) : 100x70x4 mm	10 Nos	700.00
0380	Brass butt hinges (light/ordinary type) : 75x40x2.5 mm	10 Nos	430.00
0381	Brass butt hinges (light/ordinary type) : 50x40x2.5 mm	10 Nos	180.00
0382	Brass butt hinges (heavy type) : 125x85x5.5 mm(0.70 kg)	10 Nos	1442.00
0383	Brass butt hinges (heavy type) : 100x85x5.5 mm(0.56 kg)	10 Nos	1153.00
0384	Brass butt hinges (heavy type) :75x65x4.0 mm (weighing not less than 0.20 kg)	10 Nos	950.00
0385	Brass parliamentary hinges 150x125x27x5 mm	10 Nos	3000.00
0386	Brass parliamentary hinges 125x125x27x5 mm	10 Nos	2600.00
0387	Brass parliamentary hinges 100x125x27x5 mm	10 Nos	2400.00
0388	Brass parliamentary hinges 75x100x20x3.2 mm	10 Nos	2100.00
0389	Brass single acting spring hinges 150 mm	each	460.00
0390	Brass single acting spring hinges 125 mm	each	298.00
0391	Brass single acting spring hinges 100 mm	each	260.00
0392	Brass double acting spring hinges 150 mm	each	498.00
0393	Brass double acting spring hinges 125 mm	each	410.00
0394	Brass double acting spring hinges 100 mm	each	370.00
0400	Brass tower bolt (barrel type) 250x10 mm	each	250.00
0401	Brass tower bolt (barrel type) 200x10 mm	each	200.00
0402	Brass tower bolt (barrel type) 150x10 mm	each	150.00
0403	Brass tower bolt (barrel type) 100x10 mm	each	100.00
0404	Brass flush bolt 250 mm	each	150.00
0405	Brass flush bolt 150 mm	each	130.00
0406	Brass flush bolt 100 mm	each	90.00
0408	Brass handles 125 mm with plate 175x32 mm	each	140.00
0409	Brass handles 100 mm with plate 150x32 mm	each	130.00
0410	Brass handles 75 mm with plate 125x32 mm	each	100.00
0411	Brass door latch 300x16x5 mmweighing not less than 0.380 kg	each	180.00
0412	Brass door latch 250x16x5 mm weighing not less than 0.350 kg	each	170.00
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	390.00
0414	Brass mortice latch 100x65mm with a pair of brass lever handles	each	300.00
0417	Brass 150 mm floor door stopper weighing not less than 0.357kg	each	170.00
0418	Brass hard drawn hooks and eyes 300 mm	10 Nos	650.00
0419	Brass hard drawn hooks and eyes 250 mm	10 Nos	635.00
0420	Brass hard drawn hooks and eyes 200 mm	10 Nos	590.00
0421	Brass hard drawn hooks and eyes 150 mm	10 Nos	450.00

Code No.	Description	Unit	Rate ₹
0422	Brass hard drawn hooks and eyes 100 mm	10 Nos	400.00
0423	Brass casement window fastener	each	50.00
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	135.00
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	100.00
0427	Brass quadrant stays 300 mm	each	125.00
0428	Brass fanlight catch	10 Nos	200.00
0429	Brass fanlight pivot	10 Nos	195.00
0430	Brass chain with hook for fan light catch	each	40.00
0431	Brass hasps and staples (safety type) 150 mm	10 Nos	780.00
0432	Brass hasps and staples (safety type) 115 mm	10 Nos	650.00
0433	Brass hasps and staples (safety type) 90 mm	10 Nos	560.00
0438	Brass night latch	each	595.00
0442	Brass helical spring 150 mm	each	310.00
0444	Brass curtain rod 20 mm dia 1.25 mm thick	metre	120.00
0445	Brass curtain rod 25 mm dia 1.25 mm thick	metre	140.00
0446	Brass brackets (curtain rods) 20 mm	each	45.00
0447	Brass cupboard knob or wardrobe knob 50 mm	each	35.00
0449	Brass screws 50 mm	100 Nos	220.00
0450	Brass screws 40 mm	100 Nos	170.00
0451	Brass screws 30 mm	100 Nos	140.00
0452	Brass screws 25 mm	100 Nos	100.00
0453	Brass screws 20 mm	100 Nos	95.00
0524	Chromium plated Brass butt hinges (heavy) type 75x65x4 mm weighing not less than 200gms	10 Nos	1000.00
0525	Chromium plated Brass butt hinges (light/ordinary) type 125x70x4mm	10 Nos	900.00
0526	Chromium plated Brass butt hinges (light/ordinary) type 100x70x4 mm	10 Nos	750.00
0527	Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 mm	10 Nos	460.00
0528	Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5 mm	10 Nos	200.00
0552	75mm SS fancy handles for kitchen cabinet	10 Nos.	300.00
0553	100mm SS fancy handles for kitchen cabinet	10 Nos	500.00
0554	125mm SS fancy handles for kitchen cabinet	10 Nos	700.00
0555	Chromium plated Brass handles 125 mm with plate 175 x32 mm	each	175.00
0556	Chromium plated Brass handles 100 mm with plate 150 x 32 mm	each	150.00
0557	Chromium plated Brass handles 75mm with plate 125x32 mm	each	130.00
0558	Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	495.00
0568	Chromium plated brass casement window fastener	each	95.00
0569	Chromium plated Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	150.00
0570	Chromium plated Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	130.00

Code No.	Description	Unit	Rate ₹
0571	Chromium plated Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	115.00
0583	Chromium plated Brass Night latch	each	540.00
0584	Chromium plated Brass Wardrobe Knob 50 mm	each	85.00
0585	Chromium plated Brass screws 50 mm	100 Nos	340.00
0586	Chromium plated Brass screws 40 mm	100 Nos	310.00
0587	Chromium plated Brass screws 30 mm	100 Nos	250.00
0588	Chromium plated Brass screws 25 mm	100 Nos	190.00
0589	Chromium plated Brass screws 20 mm	100 Nos	170.00
0590	Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	200.00
0591	Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	275.00
0592	Chromium plated Brass curtain rod 25 mm dia 1.25mm thick	metre	365.00
0593	C.P. Brass Extension Nipple (1/2"x2" size)	each	45.00
0594	Bright finished or black enameled mild steel butt hinges 125x65x 2.12 mm	10 Nos	140.00
0595	Bright finished or black enameled mild steel butt hinges 100x58x 1.90 mm	10 Nos	85.00
0596	Bright finished or black enameled mild steel butt hinges 75x47x 1.70 mm	10 Nos	60.00
0597	Bright finished or black enameled mild steel butt hinges 50x37x 1.50 mm	10 Nos	50.00
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	40.00
0635	Bright finished or black enameled mild steel screws 50 mm	100 Nos	77.00
0637	Bright finished or black enameled mild steel screws 40 mm	100 Nos	63.00
0638	Bright finished or black enameled mild steel screws 30 mm	100 Nos	50.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	37.00
0640	Bright finished or black enameled mild steel screws 20 mm	100 Nos	32.00
0641	Bright finished or black enameled mild steel bolts and nuts 50x6 mm	each	5.00
0642	Oxidised mild steel butt hinges 125x65x2.12 mm	10 Nos	140.00
0643	Oxidised mild steel butt hinges 100x58x1.90 mm	10 Nos	90.00
0644	Oxidised mild steel butt hinges 75x47x1.70 mm	10 Nos	65.00
0645	Oxidised mild steel butt hinges 50x37x1.50 mm	10 Nos	55.00
0646	Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm	10 Nos	340.00
0647	Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm	10 Nos	315.00
0648	Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm	10 Nos	235.00
0649	Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm	10 Nos	200.00
0650	Oxidised mild steel single acting spring hinges 150 mm	each	140.00
0651	Oxidised mild steel single acting spring hinges 125 mm	each	120.00
0652	Oxidised mild steel single acting spring hinges 100 mm	each	100.00
0653	Oxidised mild steel double acting spring hinges 150 mm	each	160.00
0654	Oxidised mild steel double acting spring hinges 125 mm	each	140.00
0655	Oxidised mild steel double acting spring hinges 100 mm	each	120.00
0656	Nickel plated mild steel piano hinges 1 mm thick 35 mm wide	metre	45.00
0660	Oxidised mild steel sliding door bolt 300x16 mm	each	95.00
0661	Oxidised mild steel sliding door bolt 250x16 mm	each	85.00
0662	Oxidised mild steel door latch 300x20x6 mm	each	50.00
0663	Oxidised mild steel door latch 250x20x6 mm	each	40.00

Code No.	Description	Unit	Rate ₹
0664	Oxidised mild steel tower bolt (barrel type) 250x10 mm	each	45.00
0665	Oxidised mild steel tower bolt (barrel type) 200x10 mm	each	35.00
0666	Oxidised mild steel tower bolt (barrel type) 150x10 mm	each	30.00
0667	Oxidised mild steel tower bolt (barrel type) 100x10 mm	each	20.00
0668	Oxidised mild steel handles 125 mm	each	20.00
0669	Oxidised mild steel handles 100 mm	each	15.00
0670	Oxidised mild steel handles 75 mm	each	12.00
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	130.00
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	110.00
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	80.00
0682	Oxidised mild steel screws 50 mm	100 Nos	77.00
0683	Oxidised mild steel screws 40 mm	100 Nos	63.00
0684	Oxidised mild steel screws 30 mm	100 Nos	50.00
0685	Oxidised mild steel screws 25 mm	100 Nos	37.00
0686	Oxidised mild steel screws 20 mm	100 Nos	32.00
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	570.00
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	400.00
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	400.00
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	275.00
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	330.00
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	280.00
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	230.00
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	200.00
0696	Anodised Aluminium sliding door bolt 300x16 mm	each	150.00
0697	Anodised Aluminium sliding door bolt 250x16 mm	each	130.00
0698	Anodised Aluminium tower bolt (barrel type) 300x10 mm	10 Nos	590.00
0699	Anodised Aluminium tower bolt (barrel type) 250x10 mm	10 Nos	490.00
0700	Anodised Aluminium tower bolt (barrel type) 200x10 mm	10 Nos	390.00
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	310.00
0702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	10 Nos	230.00
0703	Anodised Aluminium handles 125 mm with plate 175 x 32 mm	10 Nos	330.00
0704	Anodised Aluminium handles 100 mm with plate 150 x 32 mm	10 Nos	280.00
0705	Anodised Aluminium handles 75mm with plate 125 x 32 mm	10 Nos	235.00
0706	Anodised Aluminium kicking plate 50 cm long 100x3.15 mm	each	145.00
0713	Block board construction flush door with teak wood ply on both faces 35 mm thick	sqm	1800.00
0714	Block board construction flush door with teak wood ply on both faces 30 mm thick	sqm	1700.00
0715	Block board construction flush door with teak wood ply on both faces 25 mm thick	sqm	1500.00
0717	Block board construction flush door with commercial ply on both faces 35 mm thick	sqm	1000.00
0718	Block board construction flush door with commercial ply on both faces 30 mm thick	sqm	1000.00

Code No.	Description	Unit	Rate ₹
0719	Block board construction flush door with commercial ply on both faces 25 mm thick	sqm	960.00
0752	Block board construction flush door lipping 25 mm thick	sqm of door area	315.00
0753	Square vision panel in Block board construction flush door not exceeding 0.10 sqm	sqm of door area	140.00
0754	Circular vision panel in Block board construction flush door	sqm of door area	150.00
0755	Decorative type louvers in Block board construction flush door	sqm of door area	325.00
0757	Rebate cutting in block board construction flush door	sqm of door area	110.00
0759	Decorative plywood 4 mm	sqm	300.00
0761	Fuel wood	quintal	500.00
0763	Glue	kg	70.00
0764	Calcium silicate base compound for jointing calcium silicate tiles	kg	25.00
0765	Hessian cloth	sqm	25.00
0768	Cement Concrete Jali 50 mm thick	sqm	235.00
0769	Cement Concrete Jali 40 mm thick	sqm	200.00
0770	Cement Concrete Jali 25 mm thick	sqm	165.00
0771	Kerosene oil	litre	45.00
0772	White cement based polymer modified self curing compound in powder form	kg	15.00
0773	Unslaked lime	quintal	270.00
0775	Dehradun white lime	quintal	550.00
0776	Satna lime	quintal	370.00
0777	Dry hydrated lime (factory made)	quintal	280.00
0784	Marble dust/ powder	cum	1000.00
0785	Marble chips up to 4 mm and down size White & black	quintal	250.00
0788	Marble chips large size above 4 mm White & black	quintal	250.00
0801	Silicon and acrylic emulsion	litre	130.00
0802	Acrylic distemper 1st quality , having VOC content less than 50 grams/ litre	Kg	38.00
0803	Acrylic emulsion, having VOC content less than 50 grams/ litre	litre	180.00
0804	Premium acrylic emulsion of interior grade, having VOC content less than 50 grams/ litre	litre	210.00
0805	Synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre	litre	200.00
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	litre	125.00
0807	Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 grams/ litre	litre	120.00
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 grams/ litre	litre	56.00
0809	Exterior primer	kg	52.00
0810	Moorum	cum	450.00

Code No.	Description	Unit	Rate ₹
0811	Mud (dry)	cum	150.00
0815	Dry distemper	kg	30.00
0816	Oil bound washable distemper/ Acrylic distemper	kg	45.00
0818	Linseed oil (double boiled)	litre	200.00
0820	Cement primer	litre	60.00
0821	Distemper primer	litre	59.00
0823	Pink primer (for wood)	litre	85.00
0824	White cement based putty	kg	20.00
0826	Aluminium paint	litre	130.00
0827	Acid proof paint (chocolate or black)	litre	225.00
0828	Anticorrosive bituminous paint (black)	litre	100.00
0829	Black Japan paint	litre	90.00
0830	Enamel paint	litre	155.00
0831	Floor enamel paint in all shades except green	litre	122.00
0833	Synthetic enamel paint in black or chocolate shade	litre	170.00
0834	Synthetic enamel paint in all shades except black or chocolate shade	litre	150.00
0835	Plastic emulsion paint	litre	200.00
0845	Roofing paint for iron sheets in red colour	litre	120.00
0850	White lead	kg	150.00
0851	Water proofing cement paint	kg	38.00
0855	Wax polish (ready made)	kg	250.00
0856	Ordinary varnish	litre	90.00
0857	Superior copal varnish	litre	130.00
0858	Superior spar varnish	litre	130.00
0859	Oil type wood preservative	litre	140.00
0863	Putty for wood work	kg	30.00
0865	Pig lead	kg	138.00
0868	Premixed super white gypsum plaster	kg	5.00
0869	Plaster of Paris	kg	4.00
0870	Plug	each	10.00
0873	Copper pins 6 mm dia 7.5 cm long	each	10.00
0874	Black colour dark shade pigment	kg	80.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kg	80.00
0876	Green or blue medium shade pigment	kg	80.00
0886	Standard holder bat clamps for sand cast iron or cast iron pipes 150 mm dia	each	45.00
0966	Sand Cast iron plain shoe 150 mm dia	each	310.00
0967	Copper plate	kg	280.00
0969	Pulley 25 mm dia	each	55.00
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	1320.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	886.00
0975	27.5 cm long wire spring grade No. 2 for rolling shutters	each	350.00
0976	Ball bearing for rolling shutters	each	280.00

Code No.	Description	Unit	Rate ₹
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	600.00
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 16.80 sqm area of door	sqm	600.00
0979	Royalty for good earth	cum	30.00
0980	Royalty for sludge	cum	90.00
0982	Coarse sand (zone III)	cum	1200.00
0983	Fine sand (zone IV)	cum	760.00
0992	Galvanised steel plain sheets	quintal	5600.00
0994	Standard quality hard board sheet 3 mm thick	sqm	144.00
0996	Standard quality hard board sheet 4.5 mm thick	sqm	1.00
0999	Shellac	kg	300.00
1000	Spirit	litre	50.00
1001	Spun yarn	kg	50.00
1002	Mild steel round bar 12 mm dia and below	quintal	3675.00
1003	Mild steel round bar above 12 mm dia	quintal	3575.00
1004	Average rate of Mild steel round bars for reinforcement	quintal	3625.00
1005	Twisted steel/ deformed TMT bars Fe-500D	quintal	3730.00
1006	Mild steel square bars	quintal	3675.00
1007	Structural steel such as tees, angles channels and R.S. joists	quintal	3775.00
1008	Flats up to 10 mm in thickness	quintal	3675.00
1009	Flats exceeding 10 mm in thickness	quintal	3775.00
1010	Mild steel plates	quintal	3900.00
1011	Steel glazed door, window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc.	kg	48.00
1013	Mild steel sheets of 1.00 mm thickness for tanks	quintal	3775.00
1015	Mild steel expanded metal 20x60 mm strands 3.25 mm wide 1.60 mm thick	sqm	280.00
1019	Mild steel hooks	each	30.00
1020	Mild steel rivets	quintal	4500.00
1021	Hard drawn steel wire fabric 75 x 25 mm mesh of weight not less than 7.75 kg/sqm	sqm	400.00
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	115.00
1024	Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots	each	11.00
1025	Mild steel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	27.00
1028	Straining bolts	each	65.00
1029	Galvanised steel barbed wire of 9.8 kg /100metre	quintal	4800.00
1030	Galvanised steel turn buckles	each	15.00
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	22.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	18.00

Code No.	Description	Unit	Rate ₹
1034	Bolts and nuts up to 300 mm in length	quintal	5100.00
1035	Bolts and nuts above 300 mm in length	quintal	5250.00
1036	Iron pintels including welded pin	each	37.00
1143	Steel beading 10x10x1.6mm (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	70.00
1154	Through and bond stone	100 Nos	1260.00
1157	Stone for masonry work	cum	865.00
1158	Stone for pitching 15 cm x 22.5 cm	cum	636.00
1159	Stone dust	cum	865.00
1160	Red sand stone block	10 cudm	65.00
1161	White sand stone block	10 cudm	70.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	315.00
1164	Red sand stone slab 40 mm thick (un-dressed)	sqm	200.00
1165	White sand stone slab 40 mm thick (un-dressed)	sqm	200.00
1166	Red sand stone slab 30 mm thick (un-dressed)	sqm	180.00
1168	Kota stone slab 20 mm to 25 mm thick (semi-polished)	sqm	280.00
1169	Kota stone slab 25mm thick (rough chiseled)	sqm	280.00
1174	Red sand stone slab 45 mm to 50 mm thick (un-dressed)	sqm	225.00
1175	White sand stone slab 45 mm to 50 mm thick (un-dressed)	sqm	225.00
1177	Stone grit 6 mm and down size or pea sized gravel	cum	795.00
1179	Crushed stone 2.36 mm to 12.5 mm size	cum	900.00
1182	Surkhi	cum	700.00
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	660.00
1190	Second class teak wood in planks	10 cudm	675.00
1194	Second class deodar wood in planks	10 cudm	500.00
1196	First class kail wood in planks	10 cudm	310.00
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	285.00
1202	Precast terrazzo tiles 22 mm thick (medium shade)	sqm	265.00
1203	Precast terrazzo tiles 22 mm thick (dark shade)	sqm	245.00
1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	475.00
1207	G.I. Limpet washer	100 Nos	35.00
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	32.00

Code No.	Description	Unit	Rate ₹
1211	G.I. plain washer for seam bolts	100 Nos	30.00
1213	Water proofing materials	kilogram	35.00
1214	Welding by gas plant	cm	2.00
1215	Welding by electric plant	cm	2.00
1216	Whiting	quintal	600.00
1219	Wire nails	kilogram	60.00
1220	Wire mesh (rabbit)	sqm	42.00
1221	20 mm dia holding down bolts	quintal	5500.00
1222	Mild steel sheets with bolts and nuts to rest on pintels	each	120.00
1224	Hard drawn steel wire	quintal	4600.00
1225	Mild steel flat strap fitting	quintal	4000.00
1227	Chequered terrazzo tiles 22 mm thick (light shade)	sqm	275.00
1228	Chequered terrazzo tiles 22 mm thick (medium shade)	sqm	300.00
1229	Chequered terrazzo tiles 22 mm thick (dark shade)	sqm	260.00
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	46.55
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
1239	18 mm thick Flamed finish granite stone slab	sqm	1700.00
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	65.00
1242	Glass mosaaic tiles (20 mm x 20 mm x 4 mm)	sqm	1076.00
1243	Tile fixing chemical adhesive	kg	20.00
1244	Cement Polymer Grout Compound	kg	25.00
1245	Acid for cleaning tiles	litre	18.00
1246	Silicon based Joint Sealant for Tiles	kg	150.00
1247	Rubber base Adhesive	kg	160.00
1248	Epoxy based sealing Compound	kg	502.00
1249	Acrylic based sealing compound	kg	481.00
1250	Non woven reinforcement Tape	metre	0.14
1301	Bleaching powder	quintal	1750.00
1304	Surface box for stop cock	each	125.00
1305	Surface box for sluice valve	each	210.00
1307	Surface box for water meter	each	250.00
1309	C.I. bracket for wash basin and sinks	pair	65.00
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	200.00
1314	C.P.brass chain with 32 mm dia rubber plug	each	40.00
1315	C.P.brass chain with 40 mm dia rubber plug	each	40.00
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	30.00
1331	M.S. Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	20.00
1332	M.S. Holder bat clamp of approved design for 75 mm S.C.I. pipe	each	18.00
1334	Clamps and M.S. stays including bolts and nuts for 50 mm pipe	each	28.00

Code No.	Description	Unit	Rate ₹
1335	Clamps and M.S. stays including bolts and nuts for 75 mm pipe	each	30.00
1336	Clearing eye with chain and lid 100 mm dia	each	44.00
1337	Clearing eye with chain and lid 150 mm dia	each	50.00
1339	Brass bib-cock 15 mm dia	each	210.00
1340	Brass bib-cock 20 mm dia	each	225.00
1342	Brass stop-cock 15 mm dia	each	210.00
1343	Brass stop-cock 20 mm dia	each	225.00
1350	Mosquito proof coupling of approved design	each	30.00
1352	C.I. cover and frame 300x300 mm inside	each	300.00
1353	C.I. cover without frame 300x300 mm inside i/c cover of 4.50 kg	each	225.00
1354	Rectangular cover 455x610 mm with frame (low duty)	each	1500.00
1355	Rectangular cover 455x610 mm without frame (low duty)	each	1000.00
1356	500 mm dia cover with frame (medium duty)	each	4750.00
1357	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	15.00
1366	C.I. grating 150x150 mm	each	25.00
1367	C.I. grating 180x180 mm	each	30.00
1369	S.C.I. gully or nahani grating 100 mm dia	each	18.00
1373	Rubber insertions for 75 mm dia pipe joints	each	15.00
1374	Rubber insertions for 100 mm dia pipe joints	each	18.00
1375	Rubber insertions for 125 mm dia pipe joints	each	20.00
1376	Rubber insertions for 150 mm dia pipe joints	each	20.00
1377	Rubber insertions for 200 mm dia pipe joints	each	25.00
1378	Rubber insertions for 250 mm dia pipe joints	each	40.00
1379	Rubber insertions for 300 mm dia pipe joints	each	45.00
1380	Rubber insertions for 350 mm dia pipe joints	each	50.00
1381	Rubber insertions for 400 mm dia pipe joints	each	73.00
1382	Rubber insertions for 450 mm dia pipe joints	each	92.00
1383	Rubber insertions for 500 mm dia pipe joints	each	110.00
1384	Rubber insertions for 600 mm dia pipe joints	each	125.00
1392	Mirror of superior make glass 60x45 cm	each	310.00
1396	Vitreous china pedestal for wash basin	each	700.00
1397	Pig lead	kg	138.00
1464	S & S.C.I. standard specials upto 300 mm dia (heavy class)	quintal	3600.00
1466	S & S.C.I. standard specials over 300 mm dia (heavy class)	quintal	3700.00
1468	Flanged C.I. standard specials upto 300 mm dia (heavy class)	quintal	5500.00
1470	Flanged C.I. standard specials over 300 mm dia (heavy class)	quintal	5500.00
1472	Casing pipe 100 mm dia	metre	335.00
1532	Flush pipe with union spreaders and clamps all in C.P. brass for single stall	each	270.00

Code No.	Description	Unit	Rate ₹
1533	Flush pipe with union spreaders and clamps all in C.P. brass for double stall	each	400.00
1534	Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall	each	520.00
1535	Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall	each	600.00
1540	Flush pipe and spreaders G.I. for single set of one squatting plate urinal	each	175.00
1541	Flush pipe and spreaders G.I. for range of two squatting plates urinal	each	250.00
1542	Flush pipe and spreaders G.I. for range of three squatting plates urinal	each	300.00
1543	Flush pipe and spreaders G.I. for range of four squatting plates urinal	each	390.00
1545	G.I. pipes 15 mm dia	metre	77.00
1546	G.I. pipes 20 mm dia	metre	99.00
1547	G.I. pipes 25 mm dia	metre	110.00
1548	G.I. pipes 32 mm dia	metre	145.00
1549	G.I. pipes 40 mm dia	metre	185.00
1550	G.I. pipes 50 mm dia	metre	220.00
1551	G.I. pipes 65 mm dia	metre	295.00
1552	G.I. pipes 80 mm dia	metre	400.00
1555	G.I. back (jam) nuts 25 mm dia	each	8.00
1559	G.I. back (jam) nuts 65 mm dia	each	20.00
1608	G.I. tees (equal) 25 mm	each	40.00
1612	G.I. tees (equal) 65 mm	each	250.00
1614	G.I. inlet connection	each	60.00
1616	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 75 mm dia	each	950.00
1617	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 100 mm dia	each	1150.00
1618	S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 150 mm dia	each	1750.00
1620	S.C.I. plain bend 75 mm dia	each	170.00
1621	S.C.I. plain bend 100 mm dia	each	350.00
1622	S.C.I. plain bend 150 mm dia	each	400.00
1624	S.C.I. bend with access door 75 mm dia	each	200.00
1625	S.C.I. bend with access door 100 mm dia	each	252.00
1627	S.C.I. plain single equal junctions 75x75x75 mm dia	each	265.00
1628	S.C.I. plain single equal junctions 100x100x100 mm dia	each	450.00
1630	S.C.I. single equal junctions 75x75x75 mm dia with access door	each	278.00
1631	S.C.I. single equal junctions 100x100x100 mm dia with access door	each	376.00
1633	S.C.I. plain double equal junctions 75x75x75x75 mm dia	each	346.00
1634	S.C.I. plain double equal junctions 100x100x100x100 mm dia	each	520.00
1636	S.C.I. double equal junctions 75x75x75x75 mm dia with access door	each	425.00
1637	S.C.I. double equal junctions 100x100x100x100 mm dia with access door	each	550.00
1639	Slotted cowl (terminal guard) 75 mm dia	each	151.00
1640	Slotted cowl (terminal guard) 100 mm dia	each	190.00
1641	G.I. Union 15 mm nominal bore	each	30.00

Code No.	Description	Unit	Rate ₹
1642	G.I. Union 20 mm nominal bore	each	50.00
1643	G.I. Union 25 mm nominal bore	each	80.00
1644	G.I. Union 32 mm nominal bore	each	110.00
1645	G.I. Union 40 mm nominal bore	each	160.00
1646	G.I. Union 50 mm nominal bore	each	200.00
1647	G.I. Union 65 mm nominal bore	each	400.00
1648	G.I. Union 80 mm nominal bore	each	470.00
1649	Polyethylene water storage tank with cover and suitable locking arrangement	per litre	5.30
1653	Sand cast iron S&S plain single unequal junctions: 100x100x75 mm dia	each	370.00
1656	Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door	each	400.00
1659	Sand cast iron S&S plain double unequal junctions: 100x100x75x75 mm dia	each	550.00
1662	Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door	each	550.00
1666	Sand cast iron heel rest bend 75 mm dia	each	220.00
1667	Sand cast iron heel rest bend 100 mm dia	each	250.00
1669	S.C.I. single equal invert branch of required degree 75x75x75 mm dia	each	320.00
1670	S.C.I. single equal invert branch of required degree 100x100x100 mm dia	each	410.00
1672	S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia	each	410.00
1673	S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia	each	550.00
1674	S.C.I. single unequal invert branch of required degree 100x100x75 mm dia	each	495.00
1677	S.C.I. double unequal invert branch of required degree 100x100x75x75 mm dia	each	570.00
1682	S.C.I. door pieces 75 mm dia	each	275.00
1683	S.C.I. door pieces 100 mm dia	each	400.00
1685	S.C.I. collar 75 mm dia	each	92.00
1686	S.C.I. collar 100 mm dia	each	138.00
1687	Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore	each	30.00
1688	Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore	each	35.00
1689	Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore	each	35.00
1690	Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore	each	48.00
1693	S.C.I. hand pump	each	670.00
1700	R.C.C. pipes NP2 class 100 mm dia	metre	200.00
1701	R.C.C. pipes NP2 class 150 mm dia	metre	210.00
1702	R.C.C. pipes NP2 class 250 mm dia	metre	260.00

Code No.	Description	Unit	Rate ₹
1703	R.C.C. pipes NP2 class 300 mm dia	metre	300.00
1704	R.C.C. pipes NP2 class 450 mm dia	metre	400.00
1705	R.C.C. pipes NP2 class 500 mm dia	metre	580.00
1706	R.C.C. pipes NP2 class 600 mm dia	metre	920.00
1707	R.C.C. pipes NP2 class 700 mm dia	metre	1050.00
1709	R.C.C. pipes NP2 class 800 mm dia	metre	1170.00
1710	R.C.C. pipes NP2 class 900 mm dia	metre	1280.00
1711	R.C.C. pipes NP2 class 1000 mm dia	metre	1590.00
1712	R.C.C. pipes NP2 class 1100 mm dia	metre	1875.00
1713	R.C.C. pipes NP2 class 1200 mm dia	metre	1677.00
1714	R.C.C. collars NP2 class 100 mm dia	each	30.00
1715	R.C.C. collars NP2 class 150 mm dia	each	35.00
1716	R.C.C. collars NP2 class 250 mm dia	each	50.00
1717	R.C.C. collars NP2 class 300 mm dia	each	55.00
1718	R.C.C. collars NP2 class 450 mm dia	each	100.00
1719	R.C.C. collars NP2 class 500 mm dia	each	115.00
1720	R.C.C. collars NP2 class 600 mm dia	each	140.00
1721	R.C.C. collars NP2 class 700 mm dia	each	150.00
1723	R.C.C. collars NP2 class 800 mm dia	each	200.00
1724	R.C.C. collars NP2 class 900 mm dia	each	235.00
1725	R.C.C. collars NP2 class 1000 mm dia	each	280.00
1726	R.C.C. collars NP2 class 1100 mm dia	each	300.00
1727	R.C.C. collars NP2 class 1200 mm dia	each	350.00
1728	RCC pipe 450 mm dia NP-3 spigot	metre	1496.00
1729	RCC pipe 600 mm dia NP-3 spigot	metre	1995.00
1730	RCC pipe 900 mm dia NP-3 spigot	metre	3150.00
1731	RCC pipe 1000 mm dia NP-3 spigot	metre	3885.00
1732	RCC pipe 1200 mm dia NP-3 spigot	metre	5040.00
1733	RCC pipe 1800 mm dia NP-3 spigot	metre	9450.00
1734	RCC pipe 450 mm dia NP-4 spigot	metre	1733.00
1735	RCC pipe 600 mm dia NP-4 spigot	metre	2310.00
1736	RCC pipe 900 mm dia NP-4 spigot	metre	4494.00
1737	RCC pipe 1000 mm dia NP-4 spigot	metre	5565.00
1738	RCC pipe 1200 mm dia NP-4 spigot	metre	6510.00
1739	RCC pipe 1800 mm dia NP-4 spigot	metre	13650.00
1854	Stoneware pipes grade A (60 cm long) 100 mm dia	each	50.00
1855	Stoneware pipes grade A (60 cm long) 150 mm dia	each	80.00
1856	Stoneware pipes grade A (60 cm long) 200 mm dia	each	110.00
1857	Stoneware pipes grade A (60 cm long) 230 mm dia	each	170.00
1858	Stoneware pipes grade A (60 cm long) 250 mm dia	each	210.00
1859	Stoneware pipes grade A (60 cm long) 300 mm dia	each	240.00
1863	Fire clay kitchen sink: 600x450x250 mm	each	1300.00
1871	White vitreous china laboratory sink 450x300x150 mm	each	820.00
1872	White vitreous china laboratory sink 600x450x200 mm	each	1525.00

Code No.	Description	Unit	Rate ₹
1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	330.00
1876	Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	310.00
1878	Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia	each	50.00
1879	Shower rose C.P. brass for 15 to 20 mm inlet 150 mm dia	each	60.00
1880	Dismanteled P or S trap scrap (approx wt 2kg)	kg	22.00
1881	Spun yarn	kg	50.00
1882	Strainer brass 40 mm dia 1.5 metre long	each	600.00
1885	15 mm C.P. brass tap	each	210.00
1889	C.P. brass toilet paper holder of standard size	each	185.00
1890	Centrifugally SCI(spun) S & S P or S trap	each	300.00
1891	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	each	170.00
1893	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 80 mm dia	each	225.00
1895	C.P. brass trap 40 mm dia	each	250.00
1896	100 mm S.C.I. trap with vent heel	each	315.00
1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	275.00
1898	100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet	each	218.00
1900	S.W. gully trap P type 100x100 mm	each	90.00
1902	S.W. gully trap P type 150x100 mm	each	130.00
1904	S.W. gully trap P type 180x150 mm	each	225.00
1913	Vitreous china lipped front urinal	each	460.00
1915	Vitreous china squatting plate urinal	each	1053.00
1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	210.00
1923	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	235.00
1924	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	230.00
1926	20 mm dia Gunmetal gate valve with wheel	each	325.00
1927	Brass full way valve with C.I. wheel (screwed end) 25 mm dia	each	350.00
1928	Brass full way valve with C.I. wheel (screwed end) 32 mm dia	each	410.00
1929	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	each	480.00
1930	Brass full way valve with C.I. wheel (screwed end) 50 mm dia	each	620.00
1931	Brass full way valve with C.I. wheel (screwed end) 65 mm dia	each	1080.00
1932	Brass full way valve with C.I. wheel (screwed end) 80 mm dia	each	1620.00
1933	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	each	330.00
1934	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	each	450.00
1935	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	each	560.00
1936	Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	each	820.00
1937	Gunmetal non-return valve-horizontal (screwed end) 65 mm dia	each	1490.00
1938	Gunmetal non-return valve-horizontal (screwed end) 80 mm dia	each	2120.00
1940	C.I. sluice valve (with caps) class I: 100 mm dia	each	2410.00
1941	C.I. sluice valve (with caps) class I : 125 mm dia	each	2600.00
1942	C.I. sluice valve (with caps) class I: 150 mm dia	each	3600.00
1943	C.I. sluice valve (with caps) class I : 200 mm dia	each	7500.00
1944	C.I. sluice valve (with caps) class I : 250 mm dia	each	10980.00

Code No.	Description	Unit	Rate ₹
1945	C.I. sluice valve (with caps) class I: 300 mm dia	each	15500.00
1947	Vitreous china flat back wash basin 630x450 mm	each	725.00
1949	Vitreous china angle back wash basin 600x480 mm	each	725.00
1950	Vitreous china angle back wash basin 400x400 mm	each	425.00
1951	C.P. brass waste 32 mm	each	80.00
1952	C.P. brass waste 40 mm	each	95.00
1953	Vitreous china Indian type W.C. pan of size 580 mm	each	450.00
1954	Vitreous china orrisa type W.C. pan of size 580 mm	each	780.00
1955	Vitreous china pedestal type water closet	each	700.00
1956	Bolts and nuts 16 mm dia 60 mm long	each	11.00
1957	Bolts and nuts 16 mm dia 65 mm long	each	12.00
1958	Bolts and nuts 20 mm dia 65 mm long	each	15.00
1959	Bolts and nuts 20 mm dia 70 mm long	each	17.00
1960	Bolts and nuts 20 mm dia 75 mm long	each	16.00
1961	Bolts and nuts 20 mm dia 80 mm long	each	18.00
1962	Bolts and nuts 24 mm dia 85 mm long	each	28.00
1963	Bolts and nuts 24 mm dia 90 mm long	each	32.00
1964	Bolts and nuts 27 mm dia 100 mm long	each	38.00
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	1300.00
1966	Floor mounted white vitreous china double trap syphonic WC with 10 litre cistern and all fittings & fixtures, seat cover etc	each	9500.00
1970	Vitreous china foot rests 250x125x25 mm	pair	100.00
1980	Fly ash	cum	8.00
1984	Common burnt clay F.P.S. bricks tile class designation 10	1000 Nos	5200.00
1986	Common burnt clay modular bricks class designation 12.5	1000 Nos	5500.00
2200	Carriage of Steam coal	tonne	118.59
2201	Carriage of Bricks	1000 Nos	276.72
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	103.77
2203	Carriage of Coarse sand	cum	103.77
2204	Carriage of Timber	cum	118.59
2205	Carriage of Steel	tonne	92.24
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	112.79
2207	Carriage of Brick tiles	1000 Nos	166.03
2208	Carriage of Lime	cum	103.77
2209	Carriage of Cement	tonne	92.24
2211	Carriage of Tar / Bitumen	tonne	103.77
2215	Carriage of Soling stone & masonry stone	cum	122.08
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	92.24
2224	Carriage of S.W. pipes 100 mm dia	100 metre	138.36
2225	Carriage of S.W. pipes 150 mm dia	100 metre	276.72
2226	Carriage of S.W. pipes 200 mm dia	100 metre	461.19
2228	Carriage of S.W. pipes 250 mm dia	100 metre	790.62

Code No.	Description	Unit	Rate ₹
2229	Carriage of S.W. pipes 300 mm dia	100 metre	988.27
2241	Carriage of Good earth	cum	129.71
2242	Carriage of Dump manure by mechanical transport upto 5 km lead	cum	112.79
2260	Carriage of Brick aggregate	cum	112.79
2261	Carriage of Fine sand	cum	103.77
2262	Carriage of Flyash	cum	103.77
2264	Carriage of Rubbish	cum	103.77
2265	Carriage of Moorum	cum	103.77
2266	Carriage of Surkhi	cum	103.77
2267	Carriage of Stone dust	cum	103.77
2268	Carriage of Marble dust and/or marble chips	cum	103.77
2271	Carriage of G.I. pipes below 100 mm dia	tonne	92.24
2272	Carriage of Stainless Steel pipes below 100 mm dia	tonne	92.24
2273	Carriage of A.C.sheet and accessories	tonne	92.24
2275	Carriage of R.C.C. pipes 100 mm dia	100 metre	226.82
2281	Carriage of R.C.C. pipes 150 mm dia	100 metre	378.03
2287	Carriage of R.C.C. pipes 250 mm dia	100 metre	873.84
2290	Carriage of R.C.C. pipes 300 mm dia	100 metre	1080.08
2299	Carriage of R.C.C. pipes 450 & 500 mm dia	100 metre	2520.19
2302	Carriage of G.I. sheet and accessories	tonne	92.24
2303	Carriage of R.C.C. pipes 600,700,750 & 800 mm dia	100 metre	3780.28
2308	Carriage of Plaster of paris	tonne	92.24
2309	Carriage of Cast Iron fittings	tonne	92.24
2311	Carriage of Red bajri	cum	103.77
2314	Carriage of Barbed wire	tonne	92.24
2317	Carriage of Sludge	cum	112.79
2319	Carriage of Spun iron S & S pipes 100 mm dia	100 metre	226.82
2320	Carriage of Spun iron S & S pipes 125 mm dia	100 metre	302.97
2321	Carriage of Spun iron S & S pipes 150 mm dia	100 metre	378.03
2322	Carriage of Spun iron S & S pipes 200 mm dia	100 metre	614.93
2323	Carriage of Spun iron S & S pipes 250 mm dia	100 metre	873.84
2324	Carriage of Spun iron S & S pipes 300 mm dia	100 metre	1080.08
2325	Carriage of Spun iron S & S pipes 350 mm dia	100 metre	1512.11
2326	Carriage of Spun iron S & S pipes 400 mm dia	100 metre	2061.97
2327	Carriage of Spun iron S & S pipes 450 mm dia	100 metre	2520.19
2328	Carriage of Spun iron S & S pipes 500 mm dia	100 metre	2520.19
2329	Carriage of Spun iron S & S pipes 600mm dia	100 metre	3780.28
2330	Carriage of C.I. pipes 500 mm dia	100 metre	2520.19
2331	Carriage of R.C.C. pipes 900 mm dia	100 metre	5670.42
2332	Carriage of R.C.C. pipes 1000 mm dia	100 metre	7560.57
2333	Carriage of R.C.C. pipes 1100 mm dia	100 metre	7560.57
2334	Carriage of R.C.C. pipes 1200 mm dia	100 metre	7560.57
2335	Carriage of sand	cum	103.77
2336	Carriage of R.C.C. pipe above 1200 mm dia and upto 1800 mm dia	100 metre	7560.57

Code No.	Description	Unit	Rate ₹
2341	Carriage of Pig lead	tonne	92.24
2342	Carriage of Solvent / Diesel.	quintal	10.38
2343	Carriage of Ductile Iron pipes (k7) 100 mm dia	100 metre	226.82
2344	Carriage of Cast iron pipes 150 mm dia	100 metre	378.03
2345	Carriage of Cast iron pipes 200 mm dia	100 metre	614.93
2346	Carriage of Cast iron pipes 250 mm dia	100 metre	873.84
2347	Carriage of Cast iron pipes 300 mm dia	100 metre	1080.08
2348	Carriage of Cast iron pipes 350 mm dia	100 metre	1512.11
2349	Carriage of Cast iron pipes 400 mm dia	100 metre	2061.97
2350	Carriage of Cast iron pipes 450 mm dia	100 metre	2520.19
2351	Carriage of Cast iron pipes 500 mm dia	100 metre	2520.19
2352	Carriage of Cast iron pipes 600 mm dia	100 metre	3780.28
2353	Carriage of Cast iron pipes 700 mm dia	100 metre	3780.28
2355	Carriage of Cast iron pipes 800 mm dia	100 metre	3780.28
2356	Carriage of Cast iron pipes 900 mm dia	100 metre	5670.42
2357	Carriage of Cast iron pipes 1000 mm dia	100 metre	7560.57
2391	Strips-Aluminium fluted 3.15 mm thick and 150 mm wide	metre	228.00
2392	Strips Aluminium fluted 3.15 mm thick and 200 mm wide	metre	323.00
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	275.00
2394	Coupler 16 mm dia	each	67.00
2395	Coupler 20 mm dia	each	88.00
2396	Coupler 25 mm dia	each	130.00
2397	Coupler 28 mm dia	each	192.00
2398	Coupler 32 mm dia	each	231.00
2399	Complete Roof Joint of 100 mm	metre	2800.00
2400	Complete Roof Joint of 150 mm	metre	3200.00
2401	Complete Roof Joint of 200 mm	metre	4000.00
2402	Epoxy adhesive	kg	150.00
2403	Floor Joint of 100 mm	metre	3100.00
2404	Floor Joint of 150 mm	metre	4000.00
2405	Floor Joint of 200 mm	metre	5400.00
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10 kg/sqm)	sqm	286.00
2407	Float glass sheet of nominal thickness 5.5 mm (weight not less than 13.50 kg/sqm)	sqm	490.00
2408	Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/sqm)	sqm	605.00
2409	Wall Joint of 100 mm	metre	2400.00
2410	Wall Joint of 150 mm	metre	2800.00
2411	Wall Joint of 200 mm	metre	3400.00
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	376.00
2413	12 mm commercial ply	sqm	700.00
2414	18 mm thick block board with commercial ply veneering on both side	sqm	788.00
2415	21mm thick clear toughened Laminated glass for fins with holes	sqm	6000.00

Code No.	Description	Unit	Rate ₹
2447	Hollock ballies 125 mm diameter	metre	35.00
2449	Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	55.00
2451	Brass cupboard lock 6 levers of approved quality, 40 mm size	each	52.00
2452	Brass cupboard lock 6 levers of approved quality, 50 mm size	each	80.00
2453	Brass cupboard lock 6 levers of approved quality, 65 mm size	each	85.00
2454	Brass cupboard lock 6 levers of approved quality, 75 mm size	each	100.00
2455	Brass hanging type door stopper 150 mm	each	70.00
2456	Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete	each	303.00
2459	Anodised Aluminium hanging type door stopper	each	18.00
2464	Anodised Aluminium pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	45.00
2465	Anodised Aluminium Casement stay 250 mm	each	30.00
2466	Hollock wood in scantling	10 cudm	340.00
2467	Chromium plated Brass pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete	each	165.00
2468	Nickled Chromium Brass cupboard lock 40 mm size	each	56.00
2469	Nickled Chromium Brass cupboard lock 50 mm size	each	66.00
2470	Nickled Chromium Brass cupboard lock 65 mm size	each	90.00
2471	Nickled Chromium Brass cupboard lock 75 mm size	each	115.00
2480	Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	807.00
2481	Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	850.00
2483	Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	950.00
2484	Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 12 mm thick confirming to IS:14587	sqm	460.00
2485	Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 18 mm thick confirming to IS:14587	sqm	597.00
2486	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 25 mm thick confirming to IS: 14587	sqm	860.00
2487	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 12 mm thick confirming to IS:14587	sqm	430.00
2488	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 18 mm thick confirming to IS:14587	sqm	560.00
2489	PVC edge bending tape 2.00 mm thick	metre	30.00
2491	Pre laminated both side solid foam uPVC profile (45x20mm)	metre	125.00
2492	Solid foam uPVC sheet 20mm thick pre laminated on both side	sqm	2075.00
2493	PVC edge beading	metre	30.00
2494	Expandable fastner with plastic sleeve	each	5.00
2500	Extra for selected planks of second class deodar wood	10 cudm	110.00
2504	Kiln seasoning of timber	cum	750.00

Code No.	Description	Unit	Rate ₹
2505	Hollock wood in planks	10 cudm	390.00
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	260.00
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	300.00
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	365.00
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	460.00
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	575.00
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	4500.00
2603	Common burnt clay F.P.S. (non modular) bricks class designation 5.0	1000 Nos	4000.00
2604	Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum/ Aluminium work complying to ASTM C920, DIN 18540-F & ISO 11600 incl all taxes	each	532.00
2605	Structural sealant - 6 mm x 12 mm	metre	30.00
2606	Spacer tape 6.4 mm thick x 6 mm wide	metre	20.00
2607	Weather Sealant - Non Staining (600 ml)	each	420.00
2608	Weather Sealant - Normal (300 ml)	each	125.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	100.00
2610	Silicon Gasket in Kg (Above 50 g / m)	kg	570.00
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	150.00
2612	Anchor Fastner - M10	each	10.00
2613	SS Bolt with washer of different sizes for structural glazing / ACP Cladding	each	35.00
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	4.00
2615	Protective Tape	metre	20.00
2616	GI flashing - 1.2 mm Thick	kg	58.00
2617	6 mm thick High performance glass	sqm	1850.00
2618	6 mm thick clear heat strengthened glass	sqm	640.00
2619	6 mm thick clear heat strengthened glass	each	128.00
2620	ARMS GS HD - Top Hung -20"- Type P- Couple	pair	1550.00
2621	Connection Block for vision glass panel	each	39.00
2622	Curtain wall striker for vision glass panel	each	100.00
2623	Adjustable Fastening Pawl for vision glass panel	each	38.00

Code No.	Description	Unit	Rate ₹
2624	Corner drive for vision glass panel	each	295.00
2625	Top wedge Block for vision glass panel	each	135.00
2626	Glass wool of density @ 48 Kg / cum with black glass tissue (BGT)	sqm	230.00
2627	SS Screws - # 8 x 19	each	10.00
2628	Weather Sealant - DC 789	cartridge	130.00
2629	Cement Board	sqm	250.00
2630	Baker rod	metre	5.00
2631	4 mm thick ACP	sqm	1000.00
2632	Fire Stop	metre	550.00
2634	GI/Aluminium Sheet (0.8 mm thick)	kg	45.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section	each	2.75
2636	GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section	each	3.00
2637	Vapour barrier	sqm	170.00
2640	Clear.toughned interlayered,non-wired fire resistant glass panes of minimum 11 mm thickness (120 minutes fire rating)	sqm	25000.00
2641	G.I U beading of 1.6 mm thick G.I sheet with ceramic tape.	metre	240.00
2642	Ceramic tape 5 x20 mm size	metre	400.00
2704	Aluminium Strip 40 mm wide and 2 mm thick	kg	225.00
2708	Truf Paver (500 x 500 x 40 mm)	sqm	500.00
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	135.00
2710	White marble makrana second quality plain veined stone pieces for crazy flooring	quintal	147.00
2711	FS800H Grade Flooring Panel (Size 600 mm x600 mm x32 mm)	each	750.00
2712	Zinc Electroplated Pedestals - 300 mm	each	140.00
2713	Zinc Electroplated Pedestals - 450 mm	each	200.00
2714	Zinc Electroplated Tube Stinger	each	66.00
2715	Machine Screw for Fixing	each	2.00
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	700.00
2751	8 mm thick marble tiles (polished) Raj Nagar	sqm	378.00
2901	Stone Aggregate (Single size): 100 mm nominal size	cum	1000.00
2902	Stone Aggregate (Single size): 80 mm nominal size	cum	1000.00
2903	Stone chippings/ screenings 4.75 mm nominal size	cum	1150.00
2904	Stone chippings/ screenings 150 micron nominal size	cum	1150.00
2908	Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size	cum	450.00
2909	Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size	cum	470.00
2910	Stone chippings/ screenings 12.5/ 13.2 mm nominal size	cum	1200.00
2911	Stone chippings/ screenings 10/ 11.2 mm nominal size	cum	1200.00
2914	Solvent	kg	25.00
2916	Paving Asphalt VG 10 of approved quality	tonne	29600.00
3002	Polyvinyl chloride sheet 400 micron thick	sqm	40.00
3004	Stone ware spouts 100 mm dia 60 cm long	each	40.00
3050	Galvanised steel corrugated sheets	quintal	5200.00

Code No.	Description	Unit	Rate ₹
3080	Gunmetal non-return valve - vertical (screwed end) 25 mm dia	each	350.00
3084	Gunmetal non-return valve - vertical (screwed end) 32 mm dia	each	500.00
3088	Gunmetal non-return valve - vertical (screwed end) 40 mm dia	each	700.00
3092	Gunmetal non-return valve - vertical (screwed end) 50 mm dia	each	900.00
3096	Gunmetal non-return valve - vertical (screwed end) 65 mm dia	each	1500.00
3213	Vitreous china Surgeon type wash basin of size 660x460 mm	each	1000.00
3228	600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size	each	250.00
3229	Vitreous china flat back wash basin 550x400 mm	each	550.00
3300	Gunmetal non-return valve - vertical (screwed end) 80 mm dia	each	2500.00
3311	C.I. sluice valve (with caps) class II : 100 mm dia	each	2700.00
3314	C.I. sluice valve (with caps) class II : 125 mm dia	each	3200.00
3317	C.I. sluice valve (with caps) class II : 150 mm dia	each	4000.00
3320	C.I. sluice valve (with caps) class II : 200 mm dia	each	8900.00
3321	C.I. sluice valve (with caps) class II : 250 mm dia	each	14500.00
3326	C.I. sluice valve (with caps) class II : 300 mm dia	each	18200.00
3327	15 mm Battery Based Sensor Pillar Cock	each	5800.00
3617	C.P. Brass union 40mm dia	each	195.00
3620	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long: 100 mm dia	each	1196.00
3621	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long: 75 mm dia	each	1035.00
3624	S.C.I. S&S bends with access door 100 mm dia	each	290.00
3625	S.C.I. S&S bends with access door 75 mm dia	each	240.00
3628	S.C.I. S&S bend 100 mm dia	each	265.00
3629	S.C.I. S&S bend 75 mm dia	each	195.00
3634	S.C.I. S&S heel rest sanitary bend 100 mm dia	each	296.00
3635	S.C.I. S&S heel rest sanitary bend 75 mm dia	each	250.00
3640	S.C.I. S&S single equal junctions 100x100x100 mm	each	472.00
3641	S.C.I. S&S single equal junctions 75x75x75 mm	each	330.00
3644	S.C.I. S&S single equal junctions with access door 100x100x 100 mm	each	495.00
3645	S.C.I. S&S single equal junctions with access door 75x75x75 mm	each	373.00
3650	S.C.I. S&S double equal junctions 100x100x100x100 mm	each	620.00
3651	S.C.I. S&S double equal junctions 75x75x75x75 mm	each	462.00
3654	S.C.I. S&S double equal junctions with access door 100x100x100x 100 mm	each	615.00
3655	S.C.I. S&S double equal junctions with access door 75x75x75x75 mm	each	480.00
3660	S.C.I. S&S single unequal junctions 100x100x75 mm	each	570.00
3664	S.C.I. S&S single unequal junctions with access door 100x100x75 mm	each	640.00
3670	S.C.I. S&S double unequal junctions 100x100x75x75 mm	each	800.00
3674	S.C.I. S&S double unequal junctions with access door 100x100x 75x75 mm	each	850.00
3681	S.C.I. S&S single equal invert branch of required degree 100x100x 100 mm dia	each	425.00

Code No.	Description	Unit	Rate ₹
3682	S.C.I. S&S single equal invert branch of required degree 75x75x 75 mm dia	each	323.00
3685	S.C.I. S&S double equal invert branch of required degree 100x100x 100x100 mm dia	each	530.00
3686	S.C.I. S&S double equal invert branch of required degree 75x75x 75x75 mm dia	each	425.00
3690	S.C.I. S&S single unequal invert branch of required degree 100x 100x75 mm dia	each	545.00
3695	S.C.I. S&S double unequal invert branch of required degree 100x 100x75x75 mm dia	each	725.00
3699	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	225.00
3707	S.C.I. S&S, 150 mm offset for 75 mm dia pipe	each	285.00
3708	S.C.I. S&S, 150 mm offset for 100 mm dia pipe	each	390.00
3712	S.C.I. S&S, 114 mm offset for 75 mm dia pipe	each	300.00
3713	S.C.I. S&S, 114 mm offset for 100 mm dia pipe	each	383.00
3716	S.C.I. S&S, 152 mm offset for 75 mm dia pipe	each	358.00
3717	S.C.I. S&S, 152 mm offset for 100 mm dia pipe	each	455.00
3728	S.C.I. S&S door pieces 100 mm dia	each	400.00
3729	S.C.I. S&S door pieces 75 mm dia	each	295.00
3733	S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm	each	264.00
3734	S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm	each	210.00
3738	S.C.I. S&S, collars 100 mm	each	279.00
3739	S.C.I. S&S, collars 75 mm	each	170.00
3746	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	218.00
3747	S.C.I. S&S, 75 mm offset for 100 mm dia pipe	each	363.00
3749	Vitreous china toilet paper holder of standard size	each	100.00
3860	560 mm dia cover with frame (Heavy duty)	each	9000.00
3861	560 mm dia cover without frame (Heavy duty)	each	5000.00
3991	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window/door frame, sash, mullion & small series sliding window frame	metre	65.00
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, big & small series sliding window frame	metre	70.00
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash	metre	95.00
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window / door sash	metre	85.00
3995	G.I fasteners 100 x 8 mm	each	15.00
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	230.00
4002	Stainless steel bolts/square bar and plates	kg	120.00
4006	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "B"	metre	200.00
4007	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "C"	metre	220.00
4008	Pressed steel door frames (mild steel sheet 1.60 mm) Profile "E"	metre	250.00
4009	Mild steel tubes hot finished welded type	kg	42.00

Code No.	Description	Unit	Rate ₹
4010	Mild steel tubes hot finished seamless type	kg	45.00
4011	Mild steel tubes electric resistant or induction butt welded	kg	60.00
4012	Circular C.I. Box for ceiling fan internal dia 140 mm, 73 mm height, toplid of 1.5mm thick MS sheet	each	55.00
4013	Pulley 40 mm dia	each	30.00
4201	Aluminium primer	litre	88.00
4202	Red oxide Zinc chromate primer	litre	65.00
4203	Copper acetate	kg	300.00
4204	Hydrochloric acid	kg	35.00
4205	Copper chloride	kg	280.00
4206	Copper nitrate	kg	220.00
4207	Ammonium chloride	kg	20.00
5001	Mobil oil	litre	245.00
5050	SS pipe 304 grades with press fit technology as per JIS 3448 Standard 48.60 mm outer dia	metre	680.00
5743	Coloured inter locking C.C. paver Block	sqm	500.00
6001	White marble slab Makrana second quality plain veined 18 mm thick	sqm	1500.00
6007	Pink marble slab plain 18 mm thick	sqm	677.00
6010	Udaypur green marble slab plain 18 mm thick	sqm	650.00
6019	Black Zebra marble slab plain 18 mm thick	sqm	500.00
6501	Sand zone V (Jamuna)	cum	600.00
7001	Brass 100mm mortice latch and lock with 6 levers without pair of handles	each	220.00
7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	225.00
7004	Vitreous china flat back wash basin 450x300 mm	each	325.00
7005	Vitreous china 10 litres low level cistern without fittings	each	750.00
7006	Vitreous china 10 litres low level cistern with fittings	each	1300.00
7008	F.P.S. (non modular) clay fly ash bricks class designation 7.5	1000 Nos	4000.00
7009	12.5 mm thick tapered edge gypsum plain borad	sqm	160.00
7010	Galvanised Steel ceiling section (size 80x26x0.50 mm)	metre	48.00
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50 mm)	metre	23.00
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	27.00
7017	Joint finisher	kg	24.00
7018	Joint tape roll	roll	105.00
7019	Dash fastener / Chemical fastener	each	15.00
7020	All drive screws (for gypsum board)	100 Nos	60.00
7021	Primer (for gypsum board)	litre	73.00
7022	Chlorpyriphos 20% E.C. / Lindane 20% E.C.	litre	160.00
7023	Chromium plated brackets (curtain rods)	each	7.00
7024	Acid Proof cement	tonne	8150.00
7025	Self tapping pan head nickel coated mild steel screws of size 13 x 3.2 mm	1000 Nos	550.00

Code No.	Description	Unit	Rate ₹
7026	Fibre joint tape 50 mm wide (90 metre) roll	each roll	170.00
7027	M.S. Butt hinges 125x90x4 mm	10 Nos	110.00
7028	12.5 mm thick Fully Perforated gypsum board	sqm	430.00
7029	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm	sqm	260.00
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	255.00
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	285.00
7032	Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	350.00
7033	Nickel plated M.S. pipe 25 mm dia	metre	80.00
7034	Nickel plated M.S. pipe 20 mm dia	metre	75.00
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	8.00
7040	Oxidised mild steel screws 35 mm	100 Nos	50.00
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia	metre	44.00
7043	Mild steel conduit pipe (heavy type) ISI marked-25 mm dia	metre	56.00
7044	Rolling shutters of 80x0.90 mm laths	sqm	1000.00
7045	Rolling shutters of 80x1.2 mm laths	sqm	1100.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	300.00
7047	Top cover of Rolling shutters 1.20 mm thick	metre	320.00
7048	Rawl plug 50 mm (designation 10 nos)	each	10.00
7049	Teak wood lipping of size 25x3 mm in pelmets	metre	15.00
7050	PU Primer	sqm	40.00
7051	40 mm (average) PU spray having 40-45 kg/m3 density	sqm	421.00
7052	GI wire netting 3/4" x 24 G	sqm	27.00
7053	400 G polythene sheet	sqm	15.00
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	440.00
7056	Aluminium tee channel (heavy duty) with rollers and stop end	metre	52.00
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	27.00
7060	Hydraulic door closer tubular type Aluminium section body	each	281.00
7063	Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg	each	20.00
7064	Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg	each	17.00
7065	Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg	each	14.00
7068	Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	270.00
7070	Chequered precast cement concrete tiles 22 mm thick using marble chips of size 6mm - Light shade using white cement	sqm	360.00
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	4650.00
7073	Adjustable Vitreous China Cistern with fittings of flushing capacity 3 litre/ 6litre 9adjustibla to 4 litre/8litre)	each	2000.00

Code No.	Description	Unit	Rate ₹
7074	White Vitreous China Waterless Urinal of size 600x330x315 mm	each	10105.00
7075	Cistern with fittings for Waterless Urinal	each	2400.00
7076	Battery based infrared sensor operated white Vitreous Urinal of aprox.size 610x390x370 mm	each	4000.00
7077	Acid and alkali resistant tiles 300x300 mm size, 10 mm thick	10 Nos	450.00
7087	S.C.I. Tee 150 mm	each	600.00
7090	Expanded polystyrene type N- Normal 50 mm thick	sqm	130.00
7091	Expanded polystyrene type - SE 50 mm thick	sqm	155.00
7095	Stainless steel kitchen sink - with drain board bowl depth 250 mm	each	2600.00
7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm	each	2350.00
7097	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm	each	2300.00
7098	Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 178 mm	each	2250.00
7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	1500.00
7102	Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm	each	1250.00
7103	Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm	each	1100.00
7104	Coloured Orissa pattern W.C. pan 580x440 mm	each	980.00
7105	Coloured Pedestal type W.C. pan 580x440 mm (European type)	each	900.00
7106	Coloured Vitreous china 10 lit. low level cistern	each	1100.00
7107	Coloured (other than black) solid P.V.C. seat in European W.C. pan	each	405.00
7112	Circular shape 450 mm dia Mirror with Plastic moulded frame	each	450.00
7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	300.00
7114	Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame	each	350.00
7115	Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	each	700.00
7116	Hard board 6 mm thick	sqm	120.00
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	30.00
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	35.00
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	28.00
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	30.00
7121	Bottle Trap	each	650.00
7122	CP Brass Single lever telephonic wall mixer of approved make	each	4000.00
7123	Coloured High density polyethylene / poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings	each	540.00
7126	White Vitreous china 10 litre (full flush) capacity controlled low level flushing cistern with all fittings	each	800.00

Code No.	Description	Unit	Rate ₹
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	190.00
7129	S.W. intercepting trap 150 mm dia	each	250.00
7130	Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	700.00
7131	Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	600.00
7132	Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 25	each	600.00
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	600.00
7135	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20	each	920.00
7136	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - E.H.D. - 35	each	1225.00
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	1700.00
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 prelaminate 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	1800.00
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 prelaminate 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	2000.00
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	1700.00
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	1700.00
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	1500.00
7157	Laminated veneer lumber conforming to TADS 15:1995 manufactured in factory in frames of doors, windows	10 cudm	730.00
7178	Chemical ASTM C-type I	kg	110.00

Code No.	Description	Unit	Rate ₹
7181	C.I. pile shoe	kg	50.00
7182	M.S. clamps for pile shoe of 35 kg per pile	kg	45.00
7183	Bentonite of 35 kg per pile	tonne	3100.00
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	28.00
7188	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 75 mm dia	metre	72.00
7189	U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 110 mm dia	metre	135.00
7190	U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 75 mm dia	each	8.00
7191	U-PVC pipes (working pressure 4 kg / cm ²) 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	19.00
7195	uPVC pushfit coupler (single) 110 mm thick	each	34.00
7196	uPVC single equal Tee (without door) 75x75x75 mm	each	48.00
7197	uPVC single equal Tee (without door) 110x110x110 mm	each	85.00
7198	uPVC single equal Tee (with door) 75x75x75 mm	each	62.00
7199	uPVC single equal Tee (with door) 110x110x110 mm	each	97.00
7208	UPVC bend 87.5° 75 mm bend	each	37.00
7209	UPVC bend 87.5° 110 mm bend	each	62.00
7212	UPVC plain shoe 75 mm bend	each	28.00
7213	UPVC plain shoe 110 mm bend	each	49.00
7214	UPVC pipe clip 75 mm bend	each	16.00
7215	UPVC pipe clip 110 mm bend	each	15.00
7231	Resin Bonded Glass wool 16 kg/m ³ : 50 mm thick	sqm	105.00
7232	Resin Bonded Glass wool 24 kg/m ³ : 50 mm thick	sqm	150.00
7233	Fibre glass tissue reinforcement Type II Grade i	sqm	86.00
7236	Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement	sqm	235.00
7237	Precast chequered cement tiles 22 mm thick medium shade using 50% white cement 50% ordinary cement	sqm	350.00
7238	High Albedo paint	kg	240.00
7239	Epoxy paint	litre	240.00
7240	Fire retardant paint	litre	269.00
7241	Melamine polish	litre	290.00
7244	Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick	sqm	1700.00
7245	Table rubbed polished stone 18mm thick (75x50cm) Granite stone- 18 mm thick	sqm	1700.00
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	33200.00

Code No.	Description	Unit	Rate ₹
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	40300.00
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	48500.00
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	15000.00
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	23000.00
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	29500.00
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	15000.00
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	23600.00
7254	Hardening compound	litre	40.00
7255	Road marking paint (spirit based)	litre	120.00
7256	Superior quality road marking paint (water based)	litre	140.00
7257	C.P. Brass bibcock 15 mm	each	300.00
7258	C.P. Brass long nose bibcock 15 mm	each	450.00
7259	C.P. Brass long body bibcock 15 mm	each	400.00
7260	C.P. Brass stop cock (concealed) 15 mm	each	450.00
7261	C.P. Brass angle valve 15 mm	each	390.00
7266	Pressed clay tiles 20mm thick 250x250 mm size	1000 Nos	9000.00
7267	Plain ceiling tiles (BWP type phenol formaldehyde synthetic resin bonded) (600x600x12 mm)	each	120.00
7268	Semi perforated ceiling tiles (600x600x12 mm)	each	112.00
7269	25 mm thick particle board	sqm	480.00
7270	30 mm thick prelaminated flush door shutter	sqm	850.00
7271	Second class teak wood lipping 25 mm wide x 12 mm thick	metre	30.00
7272	25 mm thick melamine faced prelaminated three layer particle board	sqm	940.00
7273	Resin Bonded Rockwool 48 kg/m ³	sqm	125.00
7274	Glass wool 50 mm thick	sqm	250.00
7280	Waste plastic additive	tonne	40000.00
7281	Chemical ASTM C-type II	kg	170.00
7295	Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)	sqm	1750.00
7296	Granite of any colour, 30 mm thick (slab area upto 0.50 sqm)	sqm	2000.00

Code No.	Description	Unit	Rate ₹
7297	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	1800.00
7306	Aluminium T or L sections	kg	200.00
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	340.00
7309	Paving Asphalt of grade VG-30 of approved quality	tonne	30516.00
7312	Expandable fastener with plastic sleeve and M.S. screws : 25 mm long	each	10.00
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	38.00
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	70.00
7324	Spring coil 12 mm	each	16.00
7325	Plastic cone 12 mm dia	each	18.00
7326	Corner angle 45x45x5 mm 1.50 m long	each	250.00
7327	100 mm channel shoulder 2.5 m long	each	950.00
7328	Double clip (bridge clip)	each	80.00
7329	Single clip	each	62.00
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	265.00
7333	Column clamp 450x1070 mm	each	1010.00
7334	Prop 2 m (2-3.5 m)	each	665.00
7335	Binding wire	kg	48.00
7338	Gun metal cramp	kg	330.00
7339	Stainless steel cramp	kg	300.00
7340	Stainless steel pin	kg	190.00
7342	Adjustable span ESO+SI (2.35-3.40)	each	1550.00
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	1000.00
7344	Beam clamp 300-380 mm (450-1070 mm)	each set	370.00
7345	Prop 4 m	each	950.00
7346	Double coupler	each	48.00
7347	Cadmium plated full threaded steel screws (30x4 mm dia)	100 Nos	28.00
7348	Aluminium washer 2 mm thick 15 mm dia	100 Nos	10.00
7349	12 mm M.S. 'U' beading	metre	15.00
7354	Plastic encapsulated M.S. foot rest 30x20x15 cm	each	115.00
7358	Flushing Cistern P.V.C. 10 litre capacity (low level) (White) (with fittings, accessories and flush pipe)	each	600.00
7359	P.V.C. automatic flushing cistern 5 litre capacity	each	490.00
7361	P.V.C. automatic flushing cistern 10 litre capacity	each	530.00
7363	15 mm C.P. brass tap with elbow operation lever	each	450.00

Code No.	Description	Unit	Rate ₹
7364	White glazed fire clay draining board 600x450x25 mm	each	550.00
7366	Glass reinforced Gypsum (GRG) board 12.5 mm thick	sqm	250.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	60.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm	metre	75.00
7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	465.00
7376	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped urinals	each	800.00
7377	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipped urinals	each	1100.00
7378	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals	each	1500.00
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	907.00
7380	Precast R.C.C. grating with frame 500x450 mm horizontal grating	each	650.00
7381	Precast R.C.C. grating with frame 450x100 mm vertical grating	each	245.00
7382	Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887	tonne	25425.00
7383	12 mm dia 50 mm long wedge type expanded zinc alloy dash fastener	each	7.00
7385	3 mm thick translucent white acrylic plastic sheet	sqm	570.00
7386	12 mm thick particle board ceiling tile	sqm	112.00
7387	Spigot for standard jointing	kg	45.00
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	12.00
7389	Anodising 15 microns on aluminium sections	kg	40.00
7390	EPDM Gasket for uPVC window/door	metre	20.00
7391	Anodising 25 microns on aluminium sections	kg	50.00
7392	Powder coating 50 microns on aluminium sections	kg	64.00
7393	Polyester powder coating 50 microns on aluminium sections	kg	70.00
7394	Double action hydraulic floor spring with stainless steel cover plate	each	1550.00
7395	6 mm dia G.I. adjustable hangers including clips (up to 1.2 m length)	each	20.00
7396	Double action hydraulic floor spring with brass cover plate	each	1700.00
7397	Base Jack	each	150.00
7398	Challies	each	800.00
7399	Cup locks	each	50.00
7400	15 mm PTMT bib cock	each	75.00
7401	15 mm PTMT bib cock with flange (fancy)	each	110.00
7402	15 mm PTMT bib cock long body with flange	each	122.00
7403	15 mm dia PTMT stop cock (male thread)	each	75.00
7405	20 mm dia PTMT stop cock	each	102.00
7406	PTMT pillar cock	each	129.00
7407	PTMT push cock 15 mm dia	each	65.00
7408	PTMT push cock 12 mm dia 20 mm BSP	each	60.00
7409	PTMT grating 100 mm dia	each	21.00
7410	PTMT Pillar cock (fancy) 15 mm foam flow	each	144.00
7411	125 mm grating with waste hole	each	32.00

Code No.	Description	Unit	Rate ₹
7412	Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm)	each	122.00
7415	Double acting air valve 50 mm	each	3900.00
7416	Double acting air valve 80 mm	each	4750.00
7417	Double acting air valve 100 mm	each	6200.00
7418	Water meter (including testing charges) 80 mm	each	2130.00
7419	Water meter (including testing charges) 100 mm	each	3300.00
7420	Water meter (including testing charges) 150 mm	each	5000.00
7421	Water meter (including testing charges) 200 mm	each	5400.00
7422	Dirt box strainer 80 mm	each	2810.00
7423	Dirt box strainer 100 mm	each	4580.00
7424	Dirt box strainer 150 mm	each	5810.00
7425	Dirt box strainer 200 mm	each	8250.00
7426	Cat's eye	each	105.00
7427	Water stops Serrated with central bulb (225 mm wide, 8-11 mm thick)	metre	211.00
7428	Water stops Dumb bell with central bulb	metre	165.00
7429	Kickers	metre	195.00
7430	Wedge expansion hold fastener 1/4" or 6 mm	each	12.00
7431	Wedge expansion hold fastener 3/8" or 10 mm	each	12.00
7432	Wedge expansion hold fastener 1/2" or 12 mm	each	28.00
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	500.00
7442	Wheel 75 mm dia. 40 mm wide	each	65.00
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	808.00
7449	Aluminium U beading	kg	220.00
7451	Glass sheet (Pin headed) 4 mm thick	sqm	320.00
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	600.00
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	700.00
7466	Second class deodar teak wood lipping 30 mm wide x 12 mm thick	metre	25.00
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	520.00
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	563.00
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	675.00
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	930.00
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	596.00

Code No.	Description	Unit	Rate ₹
7485	Oxidised M. S. hinges finished with nickel plating 50 mm (Over all width)	metre	42.00
7486	Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width)	metre	55.00
7491	PTMT - Waste Coupling 31/32 mm	each	36.00
7492	PTMT - Waste Coupling 38/40 mm	each	50.00
7493	PTMT - Bottle Trap 31/32 mm	each	218.00
7494	PTMT - Bottle Trap 38/40 mm	each	228.00
7495	PTMT Ball Cock 15mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	105.00
7496	PTMT Ball Cock 20mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	140.00
7497	PTMT Ball Cock 25mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	300.00
7498	PTMT Ball Cock 40mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	501.00
7499	PTMT Ball Cock 50mm complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	913.00
7500	PTMT Angle Stop cock with Flange 15 mm	each	102.00
7501	PTMT Swiveling shower 15 mm	each	75.00
7503	PTMT Liquid Soap Container of 400 ml capacity	each	107.00
7504	PTMT - Towel Ring 215x200x37 mm	each	135.00
7505	PTMT - Towel Rail (450 mm long)	each	141.00
7506	PTMT - Towel Rail (600 mm long)	each	169.00
7507	PTMT Shelf 450x124x36 mm	each	210.00
7508	PTMT - Urinal Spreader 15 mm	each	80.00
7509	PTMT Soap Dish/Holder 138x102x75 mm	each	85.00
7512	PTMT handle 125x34x24 mm	each	25.00
7513	PTMT handle 150x34x24 mm	each	25.00
7514	PTMT butt hinges 75x60x10 mm	each	35.00
7515	PTMT butt hinges 100x75x10 mm	each	45.00
7516	PTMT Tower bolt 152x42x18 mm	each	50.00
7517	PTMT Tower bolt 202x42x18 mm	each	70.00
7518	PTMT door catcher 72x42 mm	each	25.00
7552	Coir veneered board 4 mm thick	sqm	300.00
7553	Coir veneered board 6 mm thick	sqm	400.00
7555	Coir veneered board 12 mm thick	sqm	700.00
7556	Coir veneered board 18 mm thick	sqm	1050.00
7621	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 100 mm dia (3000 mm length pipe)	metre	729.00
7622	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 75 mm dia (3000 mm length pipe)	metre	597.00
7623	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 100 mm dia	each	241.00
7624	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 75 mm dia	each	164.00
7625	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 100x100x100x100 mm dia	each	532.00

Code No.	Description	Unit	Rate ₹
7626	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 75x75x75x75 mm dia	each	286.00
7627	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 100x100x100 mm dia	each	410.00
7628	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 75x75x75 mm dia	each	225.00
7629	Hubless centrifugally cast (spun) iron double unequal plain junction as per IS 15905 - 100x100x75x75 mm dia	each	421.00
7630	Hubless centrifugally cast (spun) iron single unequal plain junction as per IS 15905 - 100x100x75 mm dia	each	392.00
7631	Hubless centrifugally cast (spun) iron double equal plain invert branch as per IS 15905 - 100x100x100x100 mm dia	each	653.00
7632	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 100x100x100 mm dia	each	410.00
7633	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 75x75x75 mm dia	each	270.00
7634	Hubless centrifugally cast (spun) iron single unequal plain invert branch 45 degree as per IS 15905 - 100x100x75 mm dia	each	450.00
7635	Hubless centrifugally cast (spun) iron 65 mm offset with 100 mm dia pipe as per IS 15905	each	378.00
7636	Hubless centrifugally cast (spun) iron 65 mm offset with 75 mm dia pipe as per IS 15905	each	308.00
7637	Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia pipe as per IS 15905	each	457.00
7638	Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia pipe as per IS 15905	each	325.00
7639	Hubless centrifugally cast (spun) iron bend with access door - 100 mm dia as per IS 15905	each	380.00
7640	Hubless centrifugally cast (spun) iron bend with access door - 75 mm dia as per IS 15905	each	303.00
7641	Hubless centrifugally cast (spun) iron terminal guard (slotted cowl) - 100 mm dia as per IS 15905	each	283.00
7642	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905	each	560.00
7643	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 75 mm outlet as per IS 15905	each	404.00
7644	SS 304 grade shielded coupling with EPDM rubber gasket for 100 mm dia Hubless centrifugally cast (spun) iron	each	287.00
7645	SS 304 grade shielded coupling with EPDM rubber gasket for 75 mm dia Hubless centrifugally cast (spun) iron	each	262.00
7651	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 100 mm dia	metre	800.00
7652	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 150 mm dia	metre	1200.00
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	2300.00
7655	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 300 mm dia	metre	2860.00
7656	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350 mm dia	metre	3510.00
7657	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 400 mm dia	metre	4500.00

Code No.	Description	Unit	Rate ₹
7658	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 450 mm dia	metre	5200.00
7659	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500 mm dia	metre	6580.00
7660	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 600 mm dia	metre	7930.00
7661	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700 mm dia	metre	11000.00
7662	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750 mm dia	metre	11900.00
7663	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800 mm dia	metre	12000.00
7664	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 900 mm dia	metre	14500.00
7665	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000 mm dia	metre	16300.00
7666	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia	each	30.00
7668	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150 mm dia	each	38.00
7669	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200 mm dia	each	66.00
7670	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250 mm dia	each	78.00
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	132.00
7673	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia	each	240.00
7674	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia	each	280.00
7675	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia	each	305.00
7676	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia	each	380.00
7677	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia	each	575.00
7678	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia	each	690.00
7679	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia	each	760.00
7680	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia	each	1000.00
7681	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia	each	1200.00
7682	Ductile Iron K - 12 specials suitable for push on jointing up to 600 mm dia	quintal	13000.00
7683	Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia	quintal	18000.00
7684	Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - up to 600 mm dia	quintal	13700.00
7685	Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia	quintal	19650.00
7686	Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia	metre	1155.00
7687	Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia	metre	1733.00
7688	Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia	metre	2179.00
7689	Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia	metre	3098.00
7690	Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia	metre	3980.00
7691	Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia	metre	5019.00
7692	Ductile Iron Pipe Class K-9 flanges and welding 400 mm dia	metre	6458.00
7693	Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia	metre	6776.00
7694	Ductile Iron Pipe Class K-9 flanges and welding 500 mm dia	metre	9639.00
7695	Ductile Iron Pipe Class K-9 flanges and welding 600 mm dia	metre	12758.00
7696	Ductile Iron Pipe Class K-9 flanges and welding 700 mm dia	metre	15089.00
7697	S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia	metre	900.00
7698	S&S Centrifugally (Spun) C.I. Pipe class LA 125 mm dia	metre	1120.00
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	2300.00

Code No.	Description	Unit	Rate ₹
7701	S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia	metre	3000.00
7702	S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia	metre	4050.00
7703	S&S Centrifugally (Spun) C.I. Pipe class LA 350 mm dia	metre	4850.00
7704	S&S Centrifugally (Spun) C.I. Pipe class LA 400 mm dia	metre	6400.00
7705	S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia	metre	7750.00
7706	S&S Centrifugally (Spun) C.I. Pipe class LA 500 mm dia	metre	9000.00
7707	S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia	metre	12595.00
7708	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia	quintal	5450.00
7709	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia	quintal	6510.00
7710	S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia	quintal	9000.00
7711	S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per I.S. 13382 over 300 mm dia	quintal	9500.00
7712	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia	metre	1375.00
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	3400.00
7715	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia	metre	4100.00
7716	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia	metre	5240.00
7717	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia	metre	6600.00
7718	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia	metre	8550.00
7719	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia	metre	10900.00
7720	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500 mm dia	metre	13560.00
7721	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia	metre	18800.00
7722	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia	metre	775.00
7723	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia	metre	1120.00
7724	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia	metre	1550.00
7725	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia	metre	2100.00
7726	Ductile Iron Class K- 7 pipe conforming to i.S. 8329 - 300 mm dia	metre	2771.00
7727	Ductile Iron Class K- 7 pipe conforming to i.S. 8329 - 350 mm dia	metre	3354.00
7728	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia	metre	4015.00
7729	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia	metre	4852.00
7730	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia	metre	5735.00
7731	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia	metre	7402.00
7732	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia	metre	9613.00

Code No.	Description	Unit	Rate ₹
7733	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia	metre	12100.00
7734	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia	metre	15603.00
7735	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia	metre	17032.00
7736	Extruded burnt flyash clay sewer bricks conforming to I.S 4885	1000 Nos	5400.00
7737	Fly ash bricks conforming to I.S. 12894	1000 Nos	5800.00
7738	Calcium Silicate Bricks machine moulded conforming to I.S. 4139	1000 Nos	5700.00
7739	Modified Bitumen Refinery produced CRMB - 55	tonne	33548.00
7741	Modified Bitumen Refinery produced CRMB - 60	tonne	34006.00
7742	Bitumen emulsion medium setting (M.S.) conforming to IS : 8887	tonne	25654.00
7743	M.S. pipe 150 mm dia casing pipe	metre	950.00
7744	M.S. pipe 200 mm dia casing pipe	metre	1200.00
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	487.00
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	519.00
7747	M.S. cap 150 mm dia	each	150.00
7748	M.S. cap 200 mm dia	each	190.00
7749	M.S bail plug 150 mm dia	each	190.00
7750	M.S bail plug 200 mm dia	each	210.00
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	450.00
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	700.00
7753	Stone Boulder 50 mm to 200 mm	cum	700.00
7754	Gravel 5 mm to 10 mm	cum	800.00
7755	Gravel 1.5 mm to 2 mm	cum	800.00
7756	Gravel 3 mm to 6 mm	cum	800.00
7757	M.S. pipe 100 mm dia casing pipe	metre	700.00
7758	uPVC blind pipe 100 mm dia as per IS: 12818	metre	244.00
7759	uPVC slotted pipe 100 mm dia as per IS: 12818	metre	380.00
7760	M.S. cap 100 mm dia	each	120.00
7761	M.S. bail plug 100 mm dia	each	150.00
7762	Precast R.C.C. perforated slab	each	800.00
7763	Water supply tanker of 5000 litre capacity	each	750.00
7764	M.S. socket 100 mm dia	each	120.00
7765	M.S. socket 150 mm dia	each	210.00
7766	M.S. socket 200 mm dia	each	270.00
7767	Stone cleaning chemical approved by ASI	litre	165.00
7768	Water repellent chemical approved by ASI	litre	650.00
7769	Stone surface strengthening chemical approved by ASI	litre	1020.00
7770	Turpentine oil	litre	55.00
7771	Liquid Ammonia 5%	litre	161.00
7772	Pea Gravel	cum	900.00
7773	Coloured inter locking C.C. paver Block (60 mm thick, M-35)	sqm	500.00
7774	Stone size 10x10x7.50cm	each	9.00
7775	Sodium pentachlorophenate	kg	630.00
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black	sqm	210.00

Code No.	Description	Unit	Rate ₹
7801	Ceramic Glazed Tiles 1st quality 300 x 300 mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.	sqm	210.00
7802	Ceramic Glazed Tiles 1st quality 300 x 300 in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sqm	260.00
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	334.00
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	400.00
7805	Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724 mm X 578 mm	each	3600.00
7806	Salem Stainless steel AISI - 304 (18/8) Round basin 405mm X 355 mm	each	1500.00
7807	Salem Stainless steel AISI - 304 (18/8) Wash basin 530mm X 345 mm	each	1500.00
7808	Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet	each	435.00
7809	Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet	each	468.00
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	110.00
7859	P.T.M.T. Bib cock with nozzle 15 mm	each	84.00
7861	P.T.M.T. Stop cock (concealed) 15 mm	each	125.00
7862	15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts	each	32.00
7863	15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts	each	34.00
7864	P.T.M.T. extension nipple 15 mm dia	each	19.00
7865	P.T.M.T. extension nipple 20 mm dia	each	28.00
7866	P.T.M.T. extension nipple 25 mm dia	each	40.00
7893	Tactile tile	sqm	900.00
7895	Matt finished vitrified tile 100x100 x16 mm	sqm	377.00
7896	Vitrified tile	sqm	309.00
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	4600.00
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	5350.00
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	5000.00
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	5000.00
7911	Chemical Rust Remover	litre	200.00
7912	Hire charges of Drill machine upto 30 mm dia	day	150.00
7913	Epoxy	kg	550.00
7914	SBR Polymer	kg	180.00
7915	Woven PVC cloth	sqm	25.00
7916	Hire charges of sand blasting equipment	day	400.00
7917	Hire charges of compressure	day	600.00
7918	25mm thick cement concrete shotcrete(guniting) with compressor	sqm	100.00

Code No.	Description	Unit	Rate ₹
7919	50mm thick cement concrete shotcrete(guniting) with compressor	sqm	160.00
7920	75mm thick cement concrete shotcrete(guniting) with compressor	sqm	266.00
7921	Adhesive chemical	ml	2.36
7922	Bit of drilling machine for Hole upto 30mm dia	each	475.00
7923	GI injection nipple 12mm dia, 75mm long	each	40.00
7924	Blowing compressed air for cleaning holes upto 30mm dia	each	10.00
7925	L shaped 100mm long, 10mm dia mild steel shear key	kg	67.10
7926	Welding charges of shear key to existing reinforcement	each	2.00
7927	Acrylic Polymer chemical for cracks	kg	30.00
7928	Hire charges of Plant and machinery, it can inject - 350kg/day	day	100.00
8001	24 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1395.00
8002	30 mm thick Factory made shutters with style, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	1522.00
8003	Factory made PVC rigid foam panelled shutter i/c carriage	sqm	2200.00
8004	Factory made PVC rigid foam panelled shutter as per IS : 4020 i/c carriage	sqm	2600.00
8006	Factory made PVC rigid foam sheet 1 mm thick	sqm	200.00
8007	Factory made PVC rigid foam sheet 5 mm thick	sqm	632.00
8008	Factory made prelaminated PVC rigid foam sheet 5 mm thick	sqm	752.00
8010	48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	160.00
8011	Factory made door frame PVC extruded sheet i/c carriage	metre	350.00
8012	Adhesive solvent cement	kg	140.00
8013	Factory made EPS Core wallpanel /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	1650.00
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	500.00
8015	Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m3	sqm	18.00
8016	High Density expanded poly ethylene (EPE) Foam 1mm thick	sqm	8.50
8017	Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes fire rating)	metre	950.00
8018	Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes fire rating) including hinges (without glass panels)	sqm	5000.00
8021	Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x 130mm	sqm	3775.00
8022	Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm	metre	125.00
8023	Bamboo wood door reducer 14mm thick of size 1900mm x 44mm	metre	275.00
8024	Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm	sqm	325.00
8025	Bamboo wood Tile Wall Cladding 10mm thick of size 1900mm x 135mm	sqm	3375.00
8026	Bamboo wood T-mold 14mm thick of size 1900mm x 44mm	metre	275.00
8027	Bamboo wood Threshold 14mm thick of size 1900mm x 44mm	metre	275.00
8028	Bamboo wood shutter of doors	10 cudm	1800.00
8029	Bamboo wood panelling (10mm thick)	10 cudm	1800.00

Code No.	Description	Unit	Rate ₹
8030	Superior class Bamboo wood door frame 65 mm thick,	10 cudm	1800.00
8031	Aluminium sheets Grade 5052, 4 mm thick for wall panel/deck panel/ WRB panel/Kicker Panels/door closing panels (for form work)	sqm	8500.00
8032	Aluminium sheets Grade 5052, 4 mm thick for Internal Corner/ Column Corners/ (for form work)	sqm	11500.00
8033	Aluminium sheets Grade 5052, 4 mm thick for Mid Soldier/End soldier (for form work)	sqm	32000.00
Accessories for aluminium form work			
8034	External corner 2050 mm	each	1400.00
8035	External corner 825 mm	each	565.00
8036	soldier tie 370mm	each	274.00
8037	Adjustable prop-2.0 x2.0 m	each	1080.00
8038	Pin-50	each	15.00
8039	Pin-127	each	52.00
8040	wedge	each	14.00
8041	wall tie-150 (355 mm)	each	45.00
8042	Polythene Sleeve 90 x 150mm	each	3.00
8043	Polythene Roll - 150mm Long.	each	6.00
8044	Vertical Soldier -1100mm	each	351.00
8045	Wall Attached Bracket 600x1000mm	each	936.00
8046	Allignment Pipe - 3.00 Mtr.	each	960.00
8047	Allignment Bracket	each	450.00
8048	Tie Rod for Bracket - 500mm	each	108.00
8049	Anchor Wing Nut Ø100 mm	each	60.00
8050	Debit Pin - 250mm	each	56.00
8051	PVC Pipe Ø20mm - 150mm long	each	5.00
8052	PVC Cone	each	5.00
8053	Bolt+Nut - 16 x 80 mm	each	30.00
8054	Flat Washer Ø16, 3mm thik	each	5.00
8055	Bolt+Nut - 16 x 30 mm	each	18.00
8056	Door spacer 45x45x5-1135mm Long	each	340.00
8057	Door spacer 45x45x5 - 985mm long	each	295.00
8100	Powder coated M.S. butt hinges 100 mm X58 mmX1.9 mm	10 Nos	85.00
8101	SS ball bearing of size 100 x89x3mm	each	300.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door	each	455.00
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	2000.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window	each set	950.00
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	1150.00
8121	uPVC extruded (small series) casement window frame size 47x50mm	metre	247.00

Code No.	Description	Unit	Rate ₹
8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm	metre	267.00
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash	metre	90.00
8126	uPVC extruded (big series) casement window frame size 67x60 mm	metre	358.00
8127	uPVC extruded (big series) casement door frame size 67x64 mm	metre	370.00
8128	uPVC extruded (big series) casement window sash/window mullion/door mullion size 67x80 mm	metre	423.00
8129	uPVC extruded (big series) casement door sash size 67x110 mm	metre	550.00
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window/door sash	metre	114.00
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash	metre	55.00
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window/ door sash	metre	82.00
8133	uPVC extruded (small series) 2 track sliding window frame size 52x44 mm	metre	267.00
8134	uPVC extruded (big series) 2 track sliding window/door frame size 67x50mm	metre	367.00
8135	uPVC extruded (small series) 3 track sliding window frame size 92x44 mm	metre	360.00
8136	uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm	metre	505.00
8137	uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm	metre	251.00
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm	metre	311.00
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm	metre	311.00
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash	metre	75.00
8141	uPVC extruded interlock of appropriate dimension for big series sliding window/ door sash	metre	85.00
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash	metre	85.00
8143	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm	metre	327.00
8200	A.P.P. modified polymeric felt (two layers) 1.5 mm thick	sqm	75.00
8201	A.P.P. modified polymeric felt (two layers) 2 mm thick	sqm	98.00
8203	A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt	sqm	100.00
8204	A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt	sqm	200.00
8205	A.P.P. modified 3 mm thick membrane reinforced with polyester matt	sqm	205.00
8206	Bitumen primer for bitumen membrane	litre	90.00
8207	Geotextile 120 grams per sqm membrane	sqm	45.00
8210	Stainless steel screws 50 mm	100 Nos	260.00
8211	Stainless steel screws 40 mm	100 Nos	208.00
8212	Stainless steel screws 30 mm	100 Nos	180.00
8214	Stainless steel screws 20 mm	100 Nos	120.00

Code No.	Description	Unit	Rate ₹
8215	Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked	10 Nos	250.00
8216	Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked	10 Nos	230.00
8217	Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked	10 Nos	150.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	130.00
8219	Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS : 12817 marked	10 Nos	330.00
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	240.00
8221	Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked	10 Nos	195.00
8222	M.S. heavy weight butt hinges 125x90x4.0 mm IS: 1341 marked.	10 Nos	200.00
8223	M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked	10 Nos	150.00
8224	M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked	10 Nos	90.00
8225	M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked	10 Nos	75.00
8226	Concealed zinc coated hinges 19-20 mm thick with mounting plate	10 Nos	400.00
8300	1216 mm PE-AL-PE Composite pressure pipe	metre	62.00
8301	1620 mm PE-AL-PE Composite pressure pipe	metre	78.00
8302	2025 mm PE-AL-PE Composite pressure pipe	metre	110.00
8303	2532 mm PE-AL-PE Composite pressure pipe	metre	157.00
8304	3240 mm PE-AL-PE Composite pressure pipe	metre	235.00
8305	4050 mm PE-AL-PE Composite pressure pipe	metre	330.00
8500	Water for jetting / blowback	1000 litre	1500.00
8501	Polymer modified cementation coating	kg	140.00
8502	Fibre glass cloth	sqm	44.00
8504	Multi surface paint	litre	255.00
8505	Acrylic exterior paint	litre	170.00
8506	Premium Acrylic exterior paint	litre	203.00
8507	Textured exterior paint	litre	230.00
8508	Primer for cement paint	litre	70.00
8509	Special Primer (C.W.)	litre	140.00
8510	Metal Primer (U.G.)	litre	90.00
8511	Fibre reinforced elastomeric liquid water proofing membrane	litre	198.69
8512	Cementitious water proofing coating with elastic polymers	kg	189.13
8513	Acrylic modified resin based texture	kg	48.89
8514	40 mm long S.S screws with plastic rawl plugs	each	38.00
8515	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	1.00
8552	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick	sqm	786.00
8553	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications.	sqm	857.00
8554	Mineral fiber beveled tegular edged ceiling tiles 595 x595mm,20 mm thick.	sqm	990.00
8555	G.I main runner 15 x32 mm of 3000 mm length, 0.33 mm thick	each	177.00
8556	G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick	each	73.00
8558	G.I hanger rod 6mm dia fully threaded upto 1000 mm length	each	25.00
8559	Stainless steel U Channel of size (50x25x2mm)	metre	150.00
8560	Non staining water resistant clear silicon	metre	61.00

Code No.	Description	Unit	Rate ₹
8561	Extruded polystyrene rigid insulation board 50 mm thick	sqm	500.00
8563	15 mm thick, light weight, integral densified micro look edged,false ceiling tiles of size 595x595 mm.	sqm	900.00
8564	15 mm thick, light weight,fully perforated square/butt edge integral densified,false ceiling tiles of size 595x595 mm.	sqm	865.00
8565	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length	each	25.00
8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long)	each	225.00
8567	Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000 mm long)	each	110.00
8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long)	each	90.00
8569	Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40mm (600 mm long)	each	45.00
8576	Crates made of Mesh type 10x12 (D=100 mm) Zinc coated. (Mesh wire diameter 3.00 mm).	sqm	190.00
8577	Crates made of Mesh type 10x12 (D=100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).	sqm	220.00
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	290.00
8579	Cold form light gauge Steel C-section of thickness 0.75mm i/c zink coating/sliting etc.	kg	126.00
8580	Wastage of cold form light gauge steel	kg	17.00
8581	12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	624.00
8582	12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	706.00
8583	10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm	sqm	706.00
8587	Galvanized iron intermediate cross-T section 15x32x0.33 mm (600 mm long)	each	34.00
8588	Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000 mm length	each	25.00
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick on edges	sqm	860.00
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm (3 metre long)	each	113.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	63.00
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (1.2 metre long)	each	38.00
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (0.6 metre long)	each	19.00
8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	4.00
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	1.00
8596	Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long	each	31.00

Code No.	Description	Unit	Rate ₹
8597	Gi Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	650.00
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	812.00
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	510.00
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	610.00
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	470.00
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	480.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	180.00
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	90.00
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	110.00
8607	Spring T-connector	each	5.00
8608	C Carrier Connector	each	11.00
8609	C Suspension Clip	each	8.00
8610	Wire Coupling Clip	each	9.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	101.00
8612	Perimeter wall angle 24 x 24 x 0.3 mm (3 metre long)	each	75.00
8613	Intermediate cross T-Section 24x25x0.3 mm (1.2 m long)	each	34.00
8614	Intermediate cross T-Section 24x25x0.3 mm (0.6 m long)	each	17.00
8615	Hanger rod 4 mm thick	each	8.00
8616	Adjustment clip 85x30x0.8 mm	each	5.00
8617	Soffit cleat (Size 27x37x25x1.60 mm)	each	4.00
8618	Dash fastener 6 mm dia 50 mm long	each	8.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	14.00
8620	Vitrified floor tile 50x50 cm conforming to IS 15622:2006 group (B1a)	sqm	490.00
8621	Vitrified floor tile 60x60 cm conforming to IS 15622:2006 group (B1a)	sqm	600.00
8622	Vitrified floor tile 80x80 cm conforming to IS 15622:2006 group (B1a)	sqm	850.00
8623	Vitrified floor tile 100x100 cm conforming to IS 15622:2006 group (B1a)	sqm	1390.00
8624	"Border tiles 200x75mm size	each	16.00
8636	Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia	metre	35.00
8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia	metre	54.00
8638	Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia	metre	78.00
8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia	metre	117.00
8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia	metre	160.00
8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia	metre	268.00
8642	Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm inner dia	metre	651.00
8643	Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia	metre	730.00
8644	Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia	metre	985.00
8645	Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia	metre	1462.00
8646	Silicon sealant	cartridge	100.00
8647	Stainless steel screws 30 mm x4 mm	100 Nos	32.00

Code No.	Description	Unit	Rate ₹
8648	Hermetically sealed double glazed unit made with 6 mm thick clear float glass both side having 12 mm air gap	sqm	2108.00
8649	Stainless steel (SS 304 grade) adjustable friction window stay 205 x 19 mm	each	169.00
8650	Stainless steel (SS 304 grade) adjustable friction window stay 255 x 19 mm	each	219.00
8651	Stainless steel (SS 304 grade) adjustable friction window stay 355 x 19 mm	each	191.00
8652	Stainless steel (SS 304 grade) adjustable friction window stay 510 x 19 mm	each	515.00
8653	Stainless steel (SS 304 grade) adjustable friction window stay 710 x 19 mm	each	889.00
8654	Masking tape	metre	2.30
8655	Autoclaved aerated cement (AAC) blocks	cum	3200.00
8656	Gypsum panel 666 X 500 X 100 mm size	sqm	480.00
8657	Bonding plaster for Gypsum panel	kg	21.00
8659	Water proof ply 12 mm thick	sqm	517.00
8660	Aluminium casement window fastener (Anodised AC 15)	each	40.00
8661	Aluminium casement window fastener (powder coated)	each	43.00
8662	Aluminium casement window fastener (polyester powder coated)	each	42.00
8663	Aluminium round shape handle (anodised AC 15) outer dia 100 mm	each	49.00
8664	Aluminium round shape handle (powder coated) outer dia 100 mm	each	54.00
8665	Aluminium round shape handle (polyester powder coated) outer dia 100 mm	each	59.00
8666	Stainless steel screws 25 mm x4 mm	100 Nos	35.00
8667	UV stabilised 2 mm thick plain FRP sheet	sqm	470.00
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	540.00
8669	Mangalore ridge tiles 20 mm thick	each	8.00
8670	Mangalore tiles 20 mm thick	each	8.00
8671	Precoated galvanised iron profile sheet 0.50 mm TCT	sqm	375.00
8672	Precoated galvanised steel plain ridges 0.50 mm TCT and 500-600mm wide	metre	230.00
8673	Precoated galvanised steel flashings/aprons 0.50 mm TCT and upto 600mm wide	metre	230.00
8674	Precoated galvanised steel gutter 600mm overall girth	metre	455.00
8675	Precoated galvanised steel north light curves	metre	250.00
8676	Precoated galvanised steel barge board (upto 300mm)	metre	235.00
8677	Precoated galvanised steel crimp curve	sqm	250.00
8678	1 mm thick 35 mm wide bright finished stainless steel piano hinges	metre	40.00
8682	Epoxy Grout	kg	371.00
8683	Red sand stone gang saw cut 30 mm thick	sqm	350.00
8684	White sand stone gang saw cut 30 mm thick	sqm	400.00
8685	Delineator	each	275.00
8686	Precast C.C. Kerb stone M - 25	cum	3800.00
8687	Thermoplastic paint	kg	47.00
8688	Glass beads	kg	60.00
8689	Interlocking C.C. paver block (60 mm thick, M-30)	sqm	350.00
8690	High intensity retro - reflective sheet as per IRC 67-2001	sqm	1525.00
8691	Punched tape concertina coil 600 mm dia 10 m openable length (Total length 90 m)	bundle	675.00
8692	RBT reinforced barbed wire	metre	7.00

Code No.	Description	Unit	Rate ₹
8693	Turn buckle and strengthening bolt	each set	40.00
8694	Precast pavement slab 450 x 450 x 50 mm (M - 30)	each	70.00
8695	Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm	sqm	258.00
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	285.00
8697	Chain link fabric fencing mesh of size 25x25 mm made of G.I. wire of dia 3 mm	sqm	340.00
8698	Stainless steel cramps(weight 260 grams) with nuts, bolts and washer for dry stone cladding	each	90.00
8699	8 mm thick tapered edge calcium silicate board	sqm	250.00
8700	10 mm thick calcium silicate board	sqm	400.00
8701	SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia	metre	584.00
8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe	each	42.00
8703	Telescopic drawer channels 300 mm long	set	150.00
8704	Stainless steel roller for sliding arrangement in racks/ cupboards/ cabinets shutter	each	9.00
8705	50 mmX42 mmX2 mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish	metre	150.00
8706	25 mm thick factory made PVC flush door shutter i/c carriage	sqm	1700.00
8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage	metre	330.00
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage	sqm	1700.00
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	2100.00
8710	Factory made solid PVC door frame 60 x 30 mm i/c carriage	metre	300.00
8711	20 mm factory made solid PVC panel door shutter i/c carriage	sqm	2050.00
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish	sqm	2000.00
8713	Fiber glass reinforced plastic chajja	sqm	3000.00
8714	Magnetic catcher triple strip vertical type	each	20.00
8715	Magnetic catcher double strip horizontal type	each	14.00
8716	100 mm mortice lock with 6 levers for aluminium door	each	340.00
8717	12.5 mm thick Glass fibre reinforced Gypsum board	sqm	195.00
8719	2nd class teak wood moulded beading or Taj beading/ornamental beading of size 18X5 mm	metre	35.00
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	35.00
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	22.00
8722	Nylon sleeves & wooden screws (40 mm)	each	2.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	65.00
8724	12 mm thick marine plywood conforming to IS: 710	sqm	667.00
8725	12 mm thick fire retardant plywood conforming to IS: 5509	sqm	800.00
8726	1.5 mm thick decorative laminated sheet	sqm	500.00

Code No.	Description	Unit	Rate ₹
8727	1.0 mm thick decorative laminated sheet	sqm	250.00
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage	sqm	2000.00
8731	High polymer modified quickset tile adhesive	kg	9.00
8732	Synthetic ployster triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	365.00
8733	Synthetic ployster triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	400.00
8734	P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm	metre	247.00
8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished)	sqm	2150.00
8736	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (wood grain finished)	sqm	2600.00
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50 mm dia wire	sqm	650.00
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 vermiculite based concrete mix	metre	1050.00
8739	Fire rated door shuttere made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	4500.00
8740	Fire seal Putty	kg	280.00
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	21500.00
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/ m ²) with ceramic tape of suitable thickness and fire resistant primer coating	metre	280.00
8743	Matrix Mineral Board	metre	65.00
8744	Panic Bar / latch (Double point)	each	5200.00
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	340.00
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	2400.00
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	380.00
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	2600.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window/door	each	122.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window/door	each	100.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	55.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door/window	each	90.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding door/window	each	110.00
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows	each	195.00
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows	each	220.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	235.00

Code No.	Description	Unit	Rate ₹
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	320.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	350.00
8772	Aluminium Track on bottom rail for uPVC window	metre	28.00
8773	Wool pile/ weather pile strip for uPVC sliding window	metre	20.00
8774	Aluminium Grill as per IS 1868	kg	250.00
8775	Steel Galvanised tubular reinforcement for uPVC door/ window	metre	60.00
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	14.00
8777	GI Fastener 100x8 mm	each	15.00
8778	Toughened glass 12 mm thickness	sqm	1747.00
8779	SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia	metre	142.00
8780	SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia	metre	254.00
8781	SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia	metre	324.00
8782	SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia	metre	462.00
8783	SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia	metre	479.00
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	690.00
8785	Interlocking C.C. paver block (80 mm thick, M-30)	sqm	370.00
8786	Coupling/Socket fittings for 22.22 mm outer dia SS pipe	each	63.00
8787	Coupling/Socket fittings for 28.58 mm outer dia SS pipe	each	89.00
8788	Coupling/Socket fittings for 34.00 mm outer dia SS pipe	each	131.00
8789	Coupling/Socket fittings for 42.70 mm outer dia SS pipe	each	158.00
8790	Coupling/Socket fittings for 48.60 mm outer dia SS pipe	each	180.00
8791	Reducer for 22.22 mm X 15.88 mm outer Dia SS pipe	each	103.00
8792	Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe	each	141.00
8793	Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe	each	145.00
8794	Reducer for 34.00 mm X 15.88 mm outer Dia SS pipe	each	184.00
8795	Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe	each	187.00
8796	Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe	each	190.00
8797	Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe	each	359.00
8798	Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe	each	362.00
8799	Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe	each	362.00
8800	Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe	each	387.00
8801	Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe	each	410.00
8802	Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe	each	410.00
8803	Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe	each	410.00
8804	Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe	each	410.00
8805	Reducer for 48.60 mm X 42.70 mm outer Dia SS pipe	each	410.00
8806	Slip Coupling / Socket 15.88 mm outer dia SS pipe	each	47.00
8807	Slip Coupling / Socket 22.22 mm outer dia SS pipe	each	63.00

Code No.	Description	Unit	Rate ₹
8808	Slip Coupling / Socket 28.58 mm outer dia SS pipe	each	89.00
8809	Slip Coupling / Socket 34.00 mm outer dia SS pipe	each	131.00
8810	Slip Coupling / Socket 42.70 mm outer dia SS pipe	each	158.00
8811	Slip Coupling / Socket 48.60 mm outer dia SS pipe	each	170.00
8812	Elbow 90° for 15.88 mm outer dia SS pipe	each	58.00
8813	Elbow 90° for 22.22 mm outer dia SS pipe	each	63.00
8814	Elbow 90° for 28.58 mm outer dia SS pipe	each	96.00
8815	Elbow 90° for 34.00 mm outer dia SS pipe	each	109.00
8816	Elbow 90° for 42.70 mm outer dia SS pipe	each	116.00
8817	Elbow 90° for 48.60 mm outer dia SS pipe	each	150.00
8818	Reducing Elbow 90° for 22.22 mm X 15.88 mm outer dia SS pipe	each	148.00
8819	Reducing Elbow 90° for 28.58 mm X 15.88 mm outer dia SS pipe	each	191.00
8820	Reducing Elbow 90° for 28.58 mm X 22.22 mm outer dia SS pipe	each	221.00
8821	Reducing Elbow 90° for 34.00 mm X 22.22 mm outer dia SS pipe	each	287.00
8822	Reducing Elbow 90° for 34.00 mm X 28.58 mm outer dia SS pipe	each	396.00
8823	Reducing Elbow 90° for 42.70 mm X 34.00 mm outer dia SS pipe	each	179.00
8824	Equal Tee for 15.88 mm outer dia SS pipe	each	159.00
8825	Equal Tee for 22.22 mm outer dia SS pipe	each	231.00
8826	Equal Tee for 28.58 mm outer dia SS pipe	each	273.00
8827	Equal Tee for 34.00 mm outer dia SS pipe	each	437.00
8828	Equal Tee for 42.70 mm outer dia SS pipe	each	683.00
8829	Equal Tee for 48.60 mm outer dia SS pipe	each	887.00
8830	Reducing Tee for 22.22 mm X 15.88 mm outer dia SS	each	179.00
8831	Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe	each	273.00
8832	Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe	each	273.00
8833	Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe	each	437.00
8834	Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe	each	437.00
8835	Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe	each	437.00
8836	Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe	each	683.00
8837	Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe	each	683.00
8838	Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe	each	683.00
8839	Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe	each	683.00
8840	Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe	each	887.00
8841	Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe	each	887.00
8842	Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe	each	887.00
8843	Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe	each	887.00
8844	Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe	each	887.00
8845	Stainless steel Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	179.00
8846	Stainless steel Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	200.00
8847	Stainless steel Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	205.00
8848	Stainless steel Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	273.00

Code No.	Description	Unit	Rate ₹
8849	Stainless steel Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	273.00
8850	Stainless steel Male thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	273.00
8851	Stainless steel Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	437.00
8852	Stainless steel Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	437.00
8853	Stainless steel Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	437.00
8854	Stainless steel Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	437.00
8855	Stainless steel Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	683.00
8856	Stainless steel Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	683.00
8857	Stainless steel Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	683.00
8858	Stainless steel Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	683.00
8859	Stainless steel Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	683.00
8860	Stainless steel Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	887.00
8861	Stainless steel Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	887.00
8862	Stainless steel Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	887.00
8863	Stainless steel Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	887.00
8864	Stainless steel Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	887.00
8865	Stainless steel Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	887.00
8866	Stainless steel Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	179.00
8867	Stainless steel Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	200.00
8868	Stainless steel Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	200.00
8869	Stainless steel Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	273.00
8870	Stainless steel Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	273.00
8871	Stainless steel Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	273.00
8872	Stainless steel Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	437.00

Code No.	Description	Unit	Rate ₹
8873	Stainless steel Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	437.00
8874	Stainless steel Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	437.00
8875	Stainless steel Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	437.00
8876	Stainless steel Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	683.00
8877	Stainless steel Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	683.00
8878	Stainless steel Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	683.00
8879	Stainless steel Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	683.00
8880	Stainless steel Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	683.00
8881	Stainless steel Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	887.00
8882	Stainless steel Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	887.00
8883	Stainless steel Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	887.00
8884	Stainless steel Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	887.00
8885	Stainless steel Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	887.00
8886	Stainless steel Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	887.00
8887	Stainless steel Female threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded	each	190.00
8888	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded	each	230.00
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	286.00
8892	Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded	each	337.00
8893	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded	each	409.00
8894	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded	each	538.00
8895	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded	each	576.00
8896	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded	each	681.00

Code No.	Description	Unit	Rate ₹
8897	Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	838.00
8898	Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded	each	965.00
8899	Stainless steel Male threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded	each	193.00
8900	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded	each	227.00
8901	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded	each	248.00
8902	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded	each	313.00
8903	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded	each	320.00
8904	Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded	each	461.00
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	649.00
8907	Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded	each	726.00
8908	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded	each	840.00
8909	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded	each	1138.00
8910	Stainless steel Valve Connector for 15.88 mm outer dia X 15 mm nominal dia threaded	each	234.00
8911	Stainless steel Valve Connector for 22.22 mm outer dia X 15 mm nominal dia threaded	each	276.00
8912	Stainless steel Valve Connector for 22.22 mm outer dia X 20 mm nominal dia threaded	each	295.00
8913	Stainless steel Valve Connector for 28.58 mm outer dia X 25 mm nominal dia threaded	each	424.00
8914	Stainless steel Valve Connector for 34.00 mm outer dia X 32 mm nominal dia threaded	each	629.00
8915	Stainless steel Valve Connector for 42.70 mm outer dia X 40 mm nominal dia threaded	each	875.00
8916	Stainless steel Valve Connector for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1176.00
8917	SS Female Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded	each	150.00
8918	Stainless steel Female Threaded Elbow 90° for 22.22 mm outer dia X 15 mm nominal dia threaded	each	191.00

Code No.	Description	Unit	Rate ₹
8919	Stainless steel Female Threaded Elbow 90° for 22.22 mm outer dia X 20 mm nominal dia threaded	each	191.00
8920	Stainless steel Female Threaded Elbow 90° for 28.58 mm outer dia X 25 mm nominal dia threaded	each	205.00
8921	Stainless steel Female Threaded Elbow 90° for 34.00 mm outer dia X 32 mm nominal dia threaded	each	287.00
8922	Stainless steel Female Threaded Elbow 90° for 42.70 mm outer dia X 32 mm nominal dia threaded	each	478.00
8923	Stainless steel Female Threaded Elbow 90° for 42.70 mm outer dia X 40 mm nominal dia threaded	each	478.00
8924	Stainless steel Female Threaded Elbow 90° for 48.60 mm outer dia X 40 mm nominal dia threaded	each	683.00
8925	Stainless steel Female Threaded Elbow 90° for 48.60 mm outer dia X 50 mm nominal dia threaded	each	683.00
8926	Stainless steel Male Threaded Elbow 90° for 15.88 mm outer dia X 15 mm nominal dia threaded	each	191.00
8927	Stainless steel Male Threaded Elbow 90° for 22.22 mm outer dia X 15 mm nominal dia threaded	each	205.00
8928	Stainless steel Male Threaded Elbow 90° for 22.22 mm outer dia X 20 mm nominal dia threaded	each	205.00
8929	Stainless steel Male Threaded Elbow 90° for 28.58 mm outer dia X 25 mm nominal dia threaded	each	205.00
8930	Stainless steel Male Threaded Elbow 90° for 34.00 mm outer dia X 25 mm nominal dia threaded	each	287.00
8931	Stainless steel Male Threaded Elbow 90° for 34.00 mm outer dia X 32 mm nominal dia threaded	each	287.00
8932	Stainless steel Male Threaded Elbow 90° for 42.70 mm outer dia X 32 mm nominal dia threaded	each	478.00
8933	Stainless steel Male Threaded Elbow 90° for 42.70 mm outer dia X 40 mm nominal dia threaded	each	478.00
8934	Stainless steel Male Threaded Elbow 90° for 48.60 mm outer dia X 40 mm nominal dia threaded	each	683.00
8935	Stainless steel Male Threaded Elbow 90° for 48.60 mm outer dia X 50 mm nominal dia threaded	each	683.00
8936	Stainless steel Cap for 15.88 mm outer dia pipe	each	45.00
8937	Stainless steel Cap for 22.22 mm outer dia pipe	each	64.00
8938	Stainless steel Cap for 28.58 mm outer dia pipe	each	84.00
8939	Stainless steel Cap for 34.00 mm outer dia pipe	each	173.00
8940	Stainless steel Cap for 42.70 mm outer dia pipe	each	253.00
8941	Stainless steel Cap for 48.60 mm outer dia pipe	each	330.00
8942	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe	each	214.00
8943	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe	each	271.00
8944	Stainless steel Pipe Bridge for 28.58 mm outer dia pipe	each	407.00

Code No.	Description	Unit	Rate ₹
8945	4 Point facade glass bracket without flat head bolts	Nos	3318.00
8946	2 Point facade glass bracket (wall mounted with out flat head bolt)	Nos	1659.00
8947	1 Point facade glass bracket (wall mounted with out flat head bolt)	Nos	1300.00
8948	Flate head bolt for brackets of spider glazing	Nos	651.00
8949	400 mm long fin plate without fastners	pair	5931.00
8953	Micro Silica	kg	32.00
8954	Stop end tubes for diaphragmwall 600 mm dia.	sqm	4.50
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	72.00
8956	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction	sqm	95.00
8957	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction	sqm	109.00
8958	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction	sqm	178.00
8959	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction	sqm	260.00
8960	Geosynthetic Drainage with two filtering nonwoven geotextiles having a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm 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	504.00
8961	Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlaid 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	600.00
8962	Synthetic Geogrid having Ultimate tensile strength- 100 kN/m	sqm	200.00
8963	Synthetic Geogrid Ultimate tensile strength- 150 kN/m	sqm	220.00
8964	Synthetic Geogrid Ultimate tensile strength- 200 kN/m	sqm	300.00
8965	Synthetic Geogrid Ultimate tensile strength- 250 kN/m	sqm	330.00
8966	Synthetic Geogrid Ultimate tensile strength- 300kN/m	sqm	350.00
8967	Synthetic Geogrid Ultimate tensile strength- 350kN/m	sqm	390.00
8968	Synthetic Geogrid Ultimate tensile strength- 400kN/m	sqm	420.00
8969	Synthetic Geogrid Ultimate tensile strength- 500kN/m	sqm	500.00
8970	Synthetic Geogrid Ultimate tensile strength- 600kN/m	sqm	550.00
8971	Synthetic Geogrid Ultimate tensile strength- 700kN/m	sqm	650.00
8972	Synthetic Geogrid Ultimate tensile strength- 800kN/m	sqm	708.00
8973	Synthetic Geogrid Ultimate tensile strength- 900kN/m	sqm	841.00
8974	Synthetic Geogrid Ultimate tensile strength- 1000kN/m	sqm	950.00

Code No.	Description	Unit	Rate ₹
8975	Synthetic Geogrid Ultimate tensile strength- 1100kN/m	sqm	1000.00
8976	Synthetic Geogrid Ultimate tensile strength- 1200kN/m	sqm	1088.00
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	570.00
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	736.00
9001	C.P. Brass Centre Hole Basin Mixer With Cast Spout	each	1200.00
9977	Carriage	L.S.	1.73
9988	Carriage and sundries	L.S.	1.73
9999	Sundries	L.S.	1.73

BASIC RATES
0.4 CARRIAGE CODES

(Carriage for 5.0 km lead by Mechanical Transport including loading, Unloading and stacking).

Note: - These rates are exclusive of contractor's profit and overhead charges.

Code No.	Description	Unit	Rate ₹
2200	Steam coal	tonne	118.59
2201	Bricks	1000 Nos	276.72
2202	Stone aggregate below 40 mm nominal size	cum	103.77
2203	Coarse sand	cum	103.77
2204	Timber	cum	118.59
2205	Steel	tonne	92.24
2206	Stone aggregate 40 mm nominal size and above	cum	112.79
2207	Brick tiles	1000 Nos	166.03
2208	Lime	cum	103.77
2209	Cement	tonne	92.24
2211	Tar bitumen	tonne	103.77
2215	Soling stone & masonry stone	cum	122.08
2216	Stone blocks white & red sand stone & kota stone slab	tonne	92.24
2224	S.W. pipes 100 mm dia	100 metre	138.36
2225	S.W. pipes 150 mm dia	100 metre	276.72
2226	S.W. pipes 200 mm dia	100 metre	461.19
2228	S.W. pipes 250 mm dia	100 metre	790.62
2229	S.W. pipes 300 mm dia	100 metre	988.27
2241	Good earth	cum	129.71
2242	Dump manure	cum	112.79
2260	Brick aggregate	cum	112.79
2261	Sand	cum	103.77
2262	Fly ash	cum	103.77
2264	Rubbish	cum	103.77
2265	Moorum	cum	103.77
2266	Surkhi	cum	103.77
2267	Stone dust	cum	103.77
2268	Marble dust and marble chips	cum	103.77
2271	G.I. pipes below 100 mm dia	tonne	92.24
2272	Stainless Steel pipe below 100 mm dia	tonne	92.24
2273	A.C. sheet and accessories	tonne	92.24

Code No.	Description	Unit	Rate ₹
2275	R.C.C. pipes 100 mm dia	100 metre	226.82
2281	R.C.C. pipes 150 mm dia	100 metre	378.03
2287	R.C.C. pipes 250 mm dia	100 metre	873.84
2290	R.C.C. pipes 300 mm dia	100 metre	1080.08
2299	R.C.C. pipes 450 & 500 mm dia	100 metre	2520.19
2302	G.I.sheet and accessories	tonne	92.24
2303	R.C.C. pipes 600, 700, 750 & 800 mm dia	100 metre	3780.28
2308	Plaster of paris	tonne	92.24
2309	Cast iron fittings	tonne	92.24
2311	Red bajri	cum	103.77
2314	Barbed wire	tonne	92.24
2317	Sludge	cum	112.79
2319	Spun iron S & S pipes 100 mm dia	100 metre	226.82
2320	Spun iron S & S pipes 125 mm dia	100 metre	302.97
2321	Spun iron S & S pipes 150 mm dia	100 metre	378.03
2322	Spun iron S & S pipes 200 mm dia	100 metre	614.93
2323	Spun iron S & S pipes 250 mm dia	100 metre	873.84
2324	Spun iron S & S pipes 300 mm dia	100 metre	1080.08
2325	Spun iron S & S pipes 350 mm dia	100 metre	1512.11
2326	Spun iron S & S pipes 400 mm dia	100 metre	2061.97
2327	Spun iron S & S pipes 450 mm dia	100 metre	2520.19
2328	Spun iron S & S pipes 500 mm dia	100 metre	2520.19
2329	Spun iron S & S pipes 600mm dia	100 metre	3780.28
2330	C.I. pipes 500 mm dia	100 metre	2520.19
2331	R.C.C. pipes 900 mm dia	100 metre	5670.42
2332	R.C.C. pipes 1000 mm dia	100 metre	7560.57
2333	R.C.C. pipes 1100 mm dia	100 metre	7560.57
2334	R.C.C. pipes 1200 mm dia	100 metre	7560.57
2335	Jamuna sand	cum	103.77
2336	RCC pipe above 1200 mm dia & up to 1800 mm dia	100 metre	7560.57
2341	Pig lead	tonne	92.24
2342	Solvent/ Diesel	quintal	10.38
2343	Ductile iron pipes (k7) 100 mm dia	100 metre	226.82
2344	Cast iron pipes 150 mm dia	100 metre	378.03
2345	Cast iron pipes 200 mm dia	100 metre	614.93

Code No.	Description	Unit	Rate ₹
2346	Cast iron pipes 250 mm dia	100 metre	873.84
2347	Cast iron pipes 300 mm dia	100 metre	1080.08
2348	Cast iron pipes 350 mm dia	100 metre	1512.11
2349	Cast iron pipes 400 mm dia	100 metre	2061.97
2350	Cast iron pipes 450 mm dia	100 metre	2520.19
2351	Cast iron pipes 500 mm dia	100 metre	2520.19
2352	Cast iron pipes 600 mm dia	100 metre	3780.28
2353	Cast iron pipes 700 mm dia	100 metre	3780.28
2355	Cast iron pipes 800 mm dia	100 metre	3780.28
2356	Cast iron pipes 900 mm dia	100 metre	5670.42
2357	Cast iron pipes 1000 mm dia	100 metre	7560.57

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	1460.00
0114	Beldar	Day	368.00
0115	Coolie	Day	368.00
1235	High Speed Diesel	Litre	46.55
5001	Mobile Oil	Litre	245.00

Lead in km (L)	Ave- rage speed (S)	Nos of Trips N=8/ (2L/S)+1	Nos of km Done in one Day (2NL+6)	Litres of Diesel consum ed @ 5 km. per Litre	Cost of Diesel (1235) @ ₹ per Litre	Litres of Mobil oil consumed @ 140 km. per Litre	Cost of Mobil oil (5001) @ ₹ per Litre	Cost of 6 Beldars (0114) @ ₹ per Day	Hire charges of truck (0084) @ ₹ per Day	Total Cost= 6+8+9+10 in ₹	Cost per Trip = col. 11/ col. 3 in ₹	Increase of cost per km over previous km in ₹	Average cost per additional km after first 5,10 and 20 km in ₹	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	Km	16.00	Km	7.11	20.22	4.04	188.06	0.144	35.28	2208.00	1460.00	3891.34	547.31	
2	Km	17.00	Km	6.48	31.92	6.38	296.99	0.228	55.86	2208.00	1460.00	4020.85	620.50	
3	Km	17.50	Km	5.96	41.76	8.35	388.69	0.298	73.01	2208.00	1460.00	4129.70	692.90	
4	Km	18.00	Km	5.54	50.32	10.06	468.29	0.359	87.96	2208.00	1460.00	4224.25	762.50	
5	Km	18.50	Km	5.19	57.90	11.58	539.05	0.414	101.43	2208.00	1460.00	4308.48	830.15	
6	Km	19.00	Km	4.90	64.80	12.96	603.29	0.463	113.44	2208.00	1460.00	4384.72	894.84	64.69
7	Km	19.50	Km	4.66	71.24	14.25	663.34	0.509	124.71	2208.00	1460.00	4456.04	956.23	61.39
8	Km	20.00	Km	4.44	77.04	15.41	717.34	0.550	134.75	2208.00	1460.00	4520.09	1018.04	61.80
9	Km	20.50	Km	4.26	82.68	16.54	769.94	0.591	144.80	2208.00	1460.00	4582.73	1075.76	57.72
10	Km	21.00	Km	4.10	88.00	17.60	819.28	0.629	154.11	2208.00	1460.00	4641.39	1132.05	56.29
11	Km	21.50	Km	3.95	92.90	18.58	864.90	0.664	162.68	2208.00	1460.00	4695.58	1188.75	56.71
12	Km	22.00	Km	3.83	97.92	19.58	911.45	0.699	171.26	2208.00	1460.00	4750.70	1240.39	51.64
13	Km	22.50	Km	3.71	102.46	20.49	953.81	0.732	179.34	2208.00	1460.00	4801.15	1294.11	53.72
14	Km	23.00	Km	3.61	107.08	21.42	997.10	0.765	187.43	2208.00	1460.00	4852.53	1344.19	50.08
15	Km	23.50	Km	3.51	111.30	22.26	1036.20	0.795	194.78	2208.00	1460.00	4898.98	1395.72	51.53
16	Km	24.00	Km	3.43	115.76	23.15	1077.63	0.827	202.62	2208.00	1460.00	4948.25	1442.64	46.92
17	Km	24.50	Km	3.35	119.90	23.98	1116.27	0.856	209.72	2208.00	1460.00	4993.99	1490.74	48.11
18	Km	25.00	Km	3.28	124.08	24.82	1155.37	0.886	217.07	2208.00	1460.00	5040.44	1536.72	45.98
19	Km	25.50	Km	3.21	127.98	25.60	1191.68	0.914	223.93	2208.00	1460.00	5083.61	1583.68	46.96
20	Km	26.00	Km	3.15	132.00	26.40	1228.92	0.943	231.04	2208.00	1460.00	5127.96	1627.92	44.24

1	2	3	4	5	6	7	8	9	10	11	12	13	14		
21	Km	26.50	Km	3.09	135.78	27.16	1264.30	0.970	237.65	2208.00	1460.00	5169.95	1673.12	45.20	40.36
22	Km	27.00	Km	3.04	139.76	27.95	1301.07	0.998	244.51	2208.00	1460.00	5213.58	1714.99	41.87	
23	Km	27.50	Km	2.99	143.54	28.71	1336.45	1.025	251.13	2208.00	1460.00	5255.58	1757.72	42.72	
24	Km	28.00	Km	2.95	147.60	29.52	1374.16	1.054	258.23	2208.00	1460.00	5300.39	1796.74	39.02	
25	Km	28.50	Km	2.90	151.00	30.2	1405.81	1.079	264.36	2208.00	1460.00	5338.17	1840.75	44.01	
26	Km	29.00	Km	2.86	154.72	30.94	1440.26	1.105	270.73	2208.00	1460.00	5378.98	1880.76	40.02	
27	Km	29.50	Km	2.83	158.82	31.76	1478.43	1.134	277.83	2208.00	1460.00	5424.26	1916.70	35.94	
28	Km	30.00	Km	2.79	162.24	32.45	1510.55	1.159	283.96	2208.00	1460.00	5462.50	1957.89	41.19	
29	Km	30.50	Km	2.76	166.08	33.22	1546.39	1.186	290.57	2208.00	1460.00	5504.96	1994.55	36.66	
30	Km	31.00	Km	2.73	169.80	33.96	1580.84	1.213	297.19	2208.00	1460.00	5546.02	2031.51	36.96	

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 Km. per litre.
- 3 Consumption of mobile oil taken at 140 Km. per litre.
- 4 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.
- 5 (i) Cost of diesel @ (1235) per litre
(ii) Cost of mobile oil @(5001) per litre
(iii) Hire charges of truck @ (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	C.P. & Over heads @ 15%	Cost per Trip per unit i/c 15% CP & OH					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				
						Cost per Trip as per Col. 12 of Data sheet no. 1 Net Qty Payable								
											Net Qty Payable			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.1.1	Lime, moorum, building rubbish	8	8	cum	0.15	78.68	89.20	99.60	109.61	119.33	8.68	7.13	5.80	
1.1.2	Earth	8	6.4	cum	0.15	98.34	111.50	124.51	137.01	149.17	10.85	8.91	7.25	
1.1.3	Manure or sludge	8	7.36	cum	0.15	85.52	96.95	108.27	119.14	129.71	9.43	7.75	6.31	
1.1.4	Excavated rock	8	4	cum	0.15	157.35	178.39	199.21	219.22	238.67	17.36	14.26	11.60	
1.1.5	Sand, stone aggregate below 40 mm nominal size	8	8	cum	0.15	78.68	89.20	99.60	109.61	119.33	8.68	7.13	5.80	
1.1.6	Stone aggregate 40 mm nominal size and above	8	7.36	cum	0.15	85.52	96.95	108.27	119.14	129.71	9.43	7.75	6.31	
1.1.7	Soling stone	8	6.8	cum	0.15	92.56	104.94	117.18	128.95	140.39	10.21	8.39	6.83	
1.1.8	Bricks	3000	3000	1000 Nos	0.15	209.80	237.86	265.61	292.29	318.22	23.15	19.01	15.47	
1.1.9	Brick Tiles	5000	5000	1000 Nos	0.15	125.88	142.72	159.37	175.37	190.93	13.89	11.41	9.28	
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	0.15	69.93	79.29	88.54	97.43	106.07	7.72	6.34	5.16	
1.1.11	Steel	9	9	tonne	0.15	69.93	79.29	88.54	97.43	106.07	7.72	6.34	5.16	
1.1.12	Timber	7	7	cum	0.15	89.91	101.94	113.83	125.27	136.38	9.92	8.15	6.63	
1.1.13	Tar Bitumen	8	8	tonne	0.15	78.68	89.20	99.60	109.61	119.33	8.68	7.13	5.80	
1.1.14	Solvent, diesel	80	80	qtl	0.15	7.87	8.92	9.96	10.96	11.93	0.87	0.71	0.58	
1.1.15	Steam coal	7	7	tonne	0.15	89.91	101.94	113.83	125.27	136.38	9.92	8.15	6.63	
1.1.16	S.W. pipe													
1.1.16.1	100 mm dia	600	600	100 m	0.15	104.90	118.93	132.81	146.15	159.11	11.57	9.50	7.74	
1.1.16.2	150 mm dia	300	300	100 m	0.15	209.80	237.86	265.61	292.29	318.22	23.15	19.01	15.47	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.1.16.3	200 mm dia	180	180	100 m	0.15	349.67	396.43	442.69	487.15	530.37	38.58	31.68	25.78	
1.1.16.5	250 mm dia	105	105	100 m	0.15	599.43	679.60	758.89	835.12	909.21	66.13	54.31	44.20	
1.1.16.6	300 mm dia	84	84	100 m	0.15	749.29	849.50	948.62	0.00	1136.52	82.66	67.89	55.25	
1.1.16.7	350 mm dia	60	60	100 m	0.15	1049.00	1189.29	1328.06	1461.46	1591.12	115.73	95.04	77.35	
1.1.16.8	400 mm dia	42	42	100 m	0.15	1498.57	1698.99	1897.23	2087.80	2273.03	165.32	135.78	110.51	
1.1.16.9	450 mm dia	33	33	100 m	0.15	1907.28	2162.35	2414.66	2657.20	2892.95	210.41	172.81	140.64	
1.1.16.10	500 mm dia	30	30	100 m	0.15	2098.00	2378.59	2656.13	2922.92	3182.24	231.45	190.09	154.71	
1.1.16.11	600 mm dia	24	24	100 m	0.15	2622.51	2973.24	3320.16	3653.64	3977.80	289.32	237.61	193.39	
1.1.17	R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes													
1.1.17.1	100 mm dia	366	366	100 m	0.15	171.97	194.97	217.72	239.58	260.84	18.97	15.58	12.68	
1.1.17.2	125 mm dia	274	274	100 m	0.15	229.71	260.43	290.82	320.03	348.42	25.34	20.81	16.94	
1.1.17.3	150 mm dia	219.6	219.6	100 m	0.15	286.61	324.94	362.86	399.31	434.73	31.62	25.97	21.14	
1.1.17.4	200 mm dia	135	135	100 m	0.15	466.22	528.58	590.25	649.54	707.16	51.43	42.24	34.38	
1.1.17.5	250 mm dia	95	95	100 m	0.15	662.53	751.13	838.78	923.03	1004.92	73.09	60.03	48.86	
1.1.17.6	300 mm dia	76.86	76.86	100 m	0.15	818.89	928.41	1036.74	1140.87	1242.09	90.34	74.19	60.39	
1.1.17.7	350 mm dia	54.9	54.9	100 m	0.15	1146.45	1299.78	1451.44	1597.22	1738.93	126.48	103.87	84.54	
1.1.17.8	400 mm dia	40.26	40.26	100 m	0.15	1563.34	1772.42	1979.23	2178.03	2371.27	172.47	141.64	115.28	
1.1.17.9	450 mm & 500 mm dia	32.94	32.94	100 m	0.15	1910.75	2166.29	2419.06	2662.04	2898.22	210.79	173.12	140.90	
1.1.17.10	600, 700, 750 & 800 mm dia	21.96	21.96	100 m	0.15	2866.13	3249.44	3628.59	3993.05	4347.33	316.19	259.68	211.35	
1.1.17.11	900 mm dia	14.64	14.64	100 m	0.15	4299.19	4874.16	5442.89	5989.58	6520.99	474.29	389.52	317.03	
1.1.17.12	1000, 1100 & 1200 mm dia	10.98	10.98	100 m	0.15	5732.25	6498.88	7257.18	7986.11	8694.65	632.38	519.36	422.70	

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 trips of 8 cum capacity.				
	LABOUR				
0084	Hire charges of Diesel Truck -	day	1.00	1460.00	1460.00
	9 tonne excluding diesel & mobile oil				
0114	Beldar	day	6.00	368.00	2208.00
1235	Diesel oil	litre	12.88	46.55	599.56
5001	Mobil oil (64km/140=0.46 liter)	litre	0.46	245.00	112.70
	TOTAL				4380.26
	Add 15 % Contractor's profit and overheads				657.04
	Cost for 3.00 trips of capacity 8 cum				5037.30
	Cost per trip of capacity per cum				209.88
	Say				209.90

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 ₹
0114	Beldar	Day	368.00
0115	Coolie	Day	368.00

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

0114/0115 Beldars (Male/Female) 7.67 Nos. @ ₹ 368.00 = ₹ 2822.56 (X)

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 coolie 1.67 Nos @ ₹ 368.00 = ₹ 614.56 (Y)

Lead in Metres	Cost per 8 hours day	Increase in cost for every additional 50
(X)	(Y)	
50 metres	2822.56	614.56

Code No.	Material	Capacity per Trip	Net Qty Payable after deduction for looseness	Unit of rates	C.P. & Over heads @ 15%	Cost per 8 hours day	Cost per unit	
							cost for 1st 50 metres	cost for addl. 50 m or part thereof beyond 1 st 50 m upto 0.50 km.
1	2	3	4	5	6	7	8	9
1.2.1	Lime, moorum, building rubbish	35	35	cum	0.15	3245.94	92.74	20.19
1.2.2	Earth	35	28	cum	0.15	3245.94	115.93	25.24
1.2.3	Manure or sludge	35	32.2	cum	0.15	3245.94	100.81	21.95
1.2.4	Excavated rock	35	17.5	cum	0.15	3245.94	185.48	40.39
1.2.5	Sand, stone aggregate below 40 mm nominal size	28	28	cum	0.15	3245.94	115.93	25.24
1.2.6	Stone aggregate 40 mm nominal size and above	28	25.9	cum	0.15	3245.94	125.33	27.29
1.2.7	Soling stone	28	23.8	cum	0.15	3245.94	136.38	29.70
1.2.8	Bricks	15000 Nos	15000 Nos	1000 Nos	0.15	3245.94	216.40	47.12
1.2.9	Brick Tiles	24000 Nos	24000 Nos	1000 Nos	0.15	3245.94	135.25	29.45
1.2.10	Steam Coal	30 tonne	30 tonne	tonne	0.15	3245.94	108.20	23.56

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 ₹
0114	Beldar	Day	368.00
0115	Coolie	Day	368.00

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 @ ₹ 368.00 = ₹ 3385.60 (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 @ ₹ 368.00 = ₹ 496.80 (Y)

S. No	Material	Capacity per Trip	Net Qty payable after deduction for loose-ness	Unit of Rates	C.P. & Over head @ 15%	Cost per 8 hours day ₹	Cost per unit ₹	
							Cost for 1st 50 metres	Cost for addl. 50 m or part thereof beyond 1 st 50 m upto 0.50 km
1	2	3	4	5	6	7	8	9
1.2.11	Stone blocks,G.I.,C.I. Stainless Steel pipes below 100 mm dia and other heavy material	46 t	46 t	tonne	0.15	3893.44	84.64	12.42
1.2.12	Cement	57.99 t	57.99 t	tonne	0.15	3893.44	67.14	9.85
1.2.13	Steel	27 t	27 t	tonne	0.15	3893.44	144.20	21.16
1.2.14	Timber	42 cum	42 cum	cum	0.15	3893.44	92.70	13.60
1.2.15	Tar, bitumen etc.	46 t	46 t	toone	0.15	3893.44	84.64	12.42
1.2.16	S.W. pipe							
1.2.16.1	100 mm dia	2298 m	2298 m	100 m	0.15	3893.44	169.43	24.86
1.2.16.2	150 mm dia	1398 m	1398 m	100 m	0.15	3893.44	278.50	40.87
1.2.16.3	200 mm dia	999 m	999 m	100 m	0.15	3893.44	389.73	57.19
1.2.16.5	250 mm dia	600 m	600 m	100 m	0.15	3893.44	648.91	95.22
1.2.16.6	300 mm dia	420 m	420 m	100 m	0.15	3893.44	927.01	136.03
1.2.16.7	350 mm dia	300 m	300 m	100 m	0.15	3893.44	1297.81	190.44
1.2.16.8	400 mm dia	240 m	240 m	100 m	0.15	3893.44	1622.27	238.05
1.2.16.9	450 mm dia	198 m	198 m	100 m	0.15	3893.44	1966.38	288.55
1.2.16.10	500 mm dia	162 m	162 m	100 m	0.15	3893.44	2403.36	352.67
1.2.16.11	600 mm dia	132 m	132 m	100 m	0.15	3893.44	2949.58	432.82
1.2.17	R.C.C. pipes, Steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes							
1.2.17.1	100 mm dia	1702 m	1702 m	100 m	0.15	3893.44	228.76	33.57
1.2.17.2	125 mm dia	1391 m	1391 m	100 m	0.15	3893.44	279.90	41.07
1.2.17.3	150 mm dia	1208 m	1208 m	100 m	0.15	3893.44	322.30	47.29
1.2.17.4	200 mm dia	805 m	805 m	100 m	0.15	3893.44	483.66	70.97

1	2	3	4	5	6	7	8	9
1.2.17.5	250 mm dia	458 m	458 m	100 m	0.15	3893.44	850.10	124.74
1.2.17.6	300 mm dia	366 m	366 m	100 m	0.15	3893.44	1063.78	156.10
1.2.17.7	350 mm dia	256 m	256 m	100 m	0.15	3893.44	1520.88	223.17
1.2.17.8	400 mm dia	220 m	220 m	100 m	0.15	3893.44	1769.75	259.69
1.2.17.9	450 mm & 500 mm dia	165 m	165 m	100 m	0.15	3893.44	2359.66	346.25
1.2.17.10	600, 700, 750 & 800 mm dia	150 m	150 m	100 m	0.15	3893.44	2595.63	380.88
1.2.18	Asbestos cement pipes							
1.2.18.1	50 mm dia	10064	10064	100 m	0.15	3893.44	38.69	5.68
1.2.18.2	80 mm dia	3660	3660	100 m	0.15	3893.44	106.38	13.96
1.2.18.3	100 mm dia	2562	2562	100 m	0.15	3893.44	151.97	22.30
1.2.18.4	150 mm dia	1830	1830	100 m	0.15	3893.44	212.76	31.22

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 ₹
0114	Details of 23 tonnes of cement				
9999	LABOUR				
	Beldar	day	3.75	368	1380.00
	Sundries Add for sweeping the wagon, screening the swept cement and filling the same in bags	L.S.	2.62	1.73	4.53
	TOTAL				1384.53
	Add 15 % Contractor's profit and overheads				207.68
	Cost of 23 tonne				1592.21
	Cost of 1 tonne				69.22
	Say				69.20

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 ₹
0114	Details of 44 tonnes of steel				
	LABOUR				
	Beldar	day	10.66	368	3922.88
	TOTAL				3922.88
	Add 15 % Contractor's profit and overheads				588.43
	Cost of 44 tonne				4511.31
	Cost of 1 tonne				102.52
	Say				102.50

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	368	736.00
9999	Sundries	L.S.	3.10	1.73	5.36
	TOTAL				741.36
	Add 15 % Contractor's profit and overheads				111.20
	Cost of 14 tonne				852.56
	Cost of 1 tonne				60.89
	Say				60.90

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	368	1196.00
9999	Extra for fixing crane including labour involved	L.S.	91.15	1.73	157.69
9999	Sundries	L.S.	7.40	1.73	12.80
	TOTAL				1366.49
	Add 15 % Contractor's profit and overheads				204.97
	Cost of 14 tonne				1571.46
	Cost of 1 tonne				112.24
	Say				112.25

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	368.00	2502.40
0115	Coolie	day	5.60	368.00	2060.80
	TOTAL				4563.20
	Add 1 % Water charges				45.63
	TOTAL				4608.83
	Add 15 % Contractor's profit and overheads				691.32
	Cost of 100 sqm				5300.15
	Cost of 1 sqm				53.00
	Say				53.00

2.2 Earth work in rough excavation, banking excavated earth 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 or filling up ground depressions, lead upto 50 m and lift upto 1.5 m :

2.2.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum.				
	LABOUR				
0114	Beldar	day	5.90	368.00	2171.20
0115	Coolie	day	3.60	368.00	1324.80
0101	Bhisti	day	0.40	407.00	162.80
0113	Chowkidar	day	0.008	368.00	2.94
	Roller charges (one roller does 1850 sqm. of consolidation per day)				
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	2200.00	17.60
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				3684.06
	Add 1 % Water charges				36.84
	TOTAL				3720.90
	Add 15 % Contractor's profit and overheads				558.14
	Cost of 10 cum.				4279.04
	Cost of 1 cum.				427.90
	Say				427.90

2.3 Banking excavated earth 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 lift upto 1.5 m :

2.3.1 All kinds of soil

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. LABOUR				
0114	Beldar	day	2.20	368.00	809.60
0115	Coolie	day	3.60	368.00	1324.80
0101	Bhisti	day	0.40	407.00	162.80
	Roller charges (one roller does 1850 sqm. of consolidation per day)				
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	2200.00	17.60
0113	Chowkidar	day	0.008	368.00	2.94
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				2322.46
	Add 1 % Water charges				23.22
	TOTAL				2345.68
	Add 15 % Contractor's profit and overheads				351.85
	Cost of 10 cum.				2697.53
	Cost of 1 cum.				269.75
	Say				269.75

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	368.00	2.94
0003	Hire charges of Diesel Road Roller - 8 to 10 tonne	day	0.008	2200.00	17.60
9999	Sundries	L.S.	1.82	1.73	3.15
	TOTAL				23.69
	Add 1 % Water charges				0.24
	TOTAL				23.93
	Add 15 % Contractor's profit and overheads				3.59
	Cost of 10 cum.				27.52
	Cost of 1 cum.				2.75
	Say				2.75

2.5 Deduct for not watering the excavated earth for banking

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. LABOUR				
0101	Bhisti	day	0.40	407.00	162.80
	TOTAL				162.80
	Add 1 % Water charges				1.63
	TOTAL				164.43
	Add 15 % Contractor's profit and overheads				24.66
	Cost of 10 cum.				189.09
	Cost of 1 cum.				18.90
	Say				18.90

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 lift upto 1.5 m, 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	0.041	6500.00	266.50
0018	Hire and running charges of loader.	day	0.041	6000.00	246.00
	LABOUR				
0128	Mate	day	0.32	407.00	130.24
0115	Coolie	day	1.20	368.00	441.60
	TOTAL				1084.34
	Add 1 % Water charges				10.84
	TOTAL				1095.18
	Add 15 % Contractor's profit and overheads				164.28
	Cost of 10 cum.				1259.46
	Cost of 1 cum.				125.94
	Say				125.95

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	6500.00	409.50
0017	Hire and running charges of tipper	day	0.063	1800.00	113.40
0132	Rock Excavator	day	0.705	368.00	259.44
0133	Rock Breaker	day	1.59	368.00	585.12
0134	Rock Hole Driller	day	0.355	368.00	130.64
	LABOUR				
0114	Beldar	day	0.50	368.00	184.00
0115	Coolie	day	0.55	368.00	202.40
9999	Sundries	L.S.	10.79	1.73	18.67
	TOTAL				1903.17
	Add 1 % Water charges				19.03
	TOTAL				1922.20
	Add 15 % Contractor's profit and overheads				288.33
	Cost of 10 cum.				2210.53
	Cost of 1 cum.				221.05
	Say				221.05

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	6500.00	812.50
0017	Hire and running charges of tipper	day	0.125	1800.00	225.00
0132	Rock Excavator	day	1.06	368.00	390.08
0133	Rock Breaker	day	2.825	368.00	1039.60
0134	Rock Hole Driller	day	0.885	368.00	325.68
	LABOUR				
0114	Beldar	day	0.45	368.00	165.60
0115	Coolie	day	0.55	368.00	202.40
0325	Blasting powder	kilogram	3.93	35.00	137.55
0326	Blasting fuse (fuse wire)	each	4.00	15.00	60.00
9999	Sundries	L.S.	16.12	1.73	27.89
	TOTAL				3386.30
	Add 1 % Water charges				33.86
	TOTAL				3420.16
	Add 15 % Contractor's profit and overheads				513.02
	Cost of 10 cum.				3933.18
	Cost of 1 cum.				393.31
	Say				393.30

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	6500.00	812.50
0017	Hire and running charges of tipper	day	0.125	1800.00	225.00
0132	Rock Excavator	day	2.47	368.00	908.96
0133	Rock Breaker	day	6.00	368.00	2208.00
0135	Stone Chiseller	day	1.06	407.00	431.42
0103	Blacksmith 2nd class	day	0.175	448.00	78.40
0114	Beldar	day	0.75	368.00	276.00
0115	Coolie	day	1.00	368.00	368.00
9999	Sundries	L.S.	16.12	1.73	27.89
	TOTAL				5336.17
	Add 1 % Water charges				53.36
	TOTAL				5389.53
	Add 15 % Contractor's profit and overheads				808.43
	Cost of 10 cum.				6197.96
	Cost of 1 cum.				619.79
	Say				619.80

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, lift upto 1.5 m, 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	0.04125	6500.00	268.13
0018	Hire and running charges of loader.	day	0.04125	6000.00	247.50
	LABOUR				
0128	Mate	day	0.40	407.00	162.80
0115	Coolie	day	2.05	368.00	754.40
	TOTAL				1432.83
	Add 1 % Water charges				14.33
	TOTAL				1447.16
	Add 15 % Contractor's profit and overheads				217.07
	Cost of 10 cum.				1664.23
	Cost of 1 cum.				166.42
	Say				166.40

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 10 cum. MACHINERY				
0020	Hydraulic Excavator (3D) with driver and fuel.	day	0.0625	6500.00	406.25
0017	Hire and running charges of tipper	day	0.0625	1800.00	112.50
	LABOUR				
0132	Rock Excavator	day	0.885	368.00	325.68
0133	Rock Breaker	day	1.765	368.00	649.52
0134	Rock Hole Driller	day	0.53	368.00	195.04
0114	Beldar	day	0.50	368.00	184.00
0115	Coolie	day	1.30	368.00	478.40
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				2374.78
	Add 1 % Water charges				23.75
	TOTAL				2398.53
	Add 15 % Contractor's profit and overheads				359.78
	Cost of 10 cum.				2758.31
	Cost of 1 cum.				275.83
	Say				275.85

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	6500.00	812.50
0017	Hire and running charges of tipper	day	0.125	1800.00	225.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0132	Rock Excavator	day	1.24	368.00	456.32
0133	Rock Breaker	day	3.00	368.00	1104.00
0134	Rock Hole Driller	day	1.06	368.00	390.08
0114	Beldar	day	0.50	368.00	184.00
0115	Coolie	day	1.30	368.00	478.40
0325	Blasting powder	kilogram	6.42	35.00	224.70
0326	Blasting fuse (fuse wire)	each	7.00	15.00	105.00
9999	Sundries	L.S.	18.85	1.73	32.61
	TOTAL				4012.61
	Add 1 % Water charges				40.13
	TOTAL				4052.74
	Add 15 % Contractor's profit and overheads				607.91
	Cost of 10 cum.				4660.65
	Cost of 1 cum.				466.06
	Say				466.05

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	6500.00	812.50
0017	Hire and running charges of tipper	day	0.125	1800.00	225.00
	LABOUR				
0132	Rock Excavator	day	2.65	368.00	975.20
0133	Rock Breaker	day	6.175	368.00	2272.40
0135	Stone Chiseller	day	1.06	407.00	431.42
0103	Blacksmith 2nd class	day	0.175	448.00	78.40
0114	Beldar	day	0.75	368.00	276.00
0115	Coolie	day	1.50	368.00	552.00
9999	Sundries	L.S.	17.94	1.73	31.04
	TOTAL				5653.96
	Add 1 % Water charges				56.54
	TOTAL				5710.50
	Add 15 % Contractor's profit and overheads				856.58
	Cost of 10 cum.				6567.08
	Cost of 1 cum.				656.70
	Say				656.70

2.10 Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, 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 ₹
2.8.1 2.25	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 $180 \times 0.45 \times 1.05 = 85.05$ cum				
	Rate as per item no. 2.8.1 of SH: Earth work	cum	85.05	166.40	14152.32
	Rate as per Item Number 2.25 of SH: Earth Work	cum	85.05	125.75	10695.04
	TOTAL				24847.36
	Cost of 180m length of pipes				24847.36
	Cost for 1m. length of pipe				138.04
	Say				138.05

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1 2.25	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 = $0.75+0.20 = 0.95$ m Average depth = $(1.50+0.95)/2 = 1.225$ M Width = $0.40 + 0.20 = 0.60$ m $110 \times 0.60 \times 1.225 = 80.85$ cum 5% for collars = 4.04 cum Total = 84.89 cum				
	Rate as per item no. 2.8.1 of SH: Earth work	cum	84.89	166.40	14125.70
	Rate as per Item Number 2.25 of SH: Earth Work	cum	84.89	125.75	10674.92
	TOTAL				24800.62
	Cost of 110m length of pipe				24800.62
	Cost for 1m length of pipe				225.46
	Say				225.45

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 $0.75+0.45= 1.20$ m Average depth = $(1.50+1.20)/2 = 1.35$ Width = $0.40 + 0.45 = 0.85$ m $60 \times 0.85 \times 1.35 = 68.85$ cum 5% for collars = 3.44 cum Total = 72.29 cum				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.8.1	Rate as per item no. 2.8.1 of SH: Earth work	cum	72.29	166.40	12029.06
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	72.29	125.75	9090.47
	TOTAL				21119.53
	Cost of 60m length of pipe				21119.53
	Cost for 1m length of pipe				351.99
	Say				352.00

2.11 Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 300m length of pipe of an average dia. say 200mm (rate in percentage) Slope assumed 1 in 200. 100x0.60x1.75 = 105.00 cum 200x0.60x2.00 = 240.00 cum. Total = 345.00 cum. Collars 5%= 17.25 cum. Total = 362.25 cum.				
2.8.1	Rate as per item no. 2.8.1 of SH: Earth work	cum	362.25	166.40	60278.40
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	362.25	125.75	45552.94
2.6.1	1/2x200x1.60x1 = 160 cum Rate as per Item Number 2.6.1 of SH: Earth Work	cum	160.00	125.95	20152.00
2.25	Rate as per Item Number 2.25 of SH: Earth Work	cum	160.00	125.75	20120.00
	Extra for additional lift 1/2x200x0.60x1.50 = 135.00 cum Collars 5%=6.75 cum. Total= 141.75 cum				
2.26.1	Rate as per Item Number 2.26.1 of SH: Earth Work	cum	141.75	51.75	7335.56
	Cost for 300 m. length of pipe				153438.90
2.10.1.2	Rate as per Item Number 2.10.1.2 of SH:Earth Work (Cost for 300 m. length of pipe upto 1.5 m depth) Extra cost for 300 metre = Z = X - Y Extra cost for one metre = Z/300 Percentage increase over item no 2.10.1.2 =(Zx100)/Y Say	metre	-300.00	225.45	-67635.00
					85803.90
					286.01
					126.86
					127.00

2.12 Extra for excavating trenches for pipes, cables, etc, in all kinds of soil for depth exceeding 3 m in depth, but not exceeding 4.5 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a 100m length of a pipe of an average dia. say 200mm Slope assumed 1 in 200. Earth work and filling- $1 \times 100 \times 0.60 \times 2 = 120$ cum Collars 5% = 6 cum. Total = 126 cum.				
2.8.1	Rate as per item no. 2.8.1 of SH: Earth work	cum	126.00	166.40	20966.40
2.25	Rate as per item No.2.25 of SH: Earth work	cum	126.00	125.75	15844.50
	Earth work $100 \times 1.60 \times 1.25 = 200$ cum				
2.6.1	Rate as per item no. 2.6.1 of SH: Earth work	cum	200.00	125.95	25190.00
2.25	Rate as per item No.2.25 of SH: Earth work	cum	200.00	125.75	25150.00
	Extra for additional lift $1 \times 100 \times 0.60 \times 1.50 = 90$ cum. $2 \times 0.50 \times 100 \times 0.60 \times 0.50 = 30$ cum. Total = 120 cum. Collars 5% = 6 cum. Total = 126 cum				
2.26.1	Rate as per item no. 2.26.1 of SH: Earth work	cum	126.00	51.75	6520.50
	Cost for 100 m. length of pipe				93671.40
2.10.1.2	Rate as per Item Number 2.10.1.2 of SH: Earth work (Cost for 100 m. length of pipe upto 1.5 m depth) Extra cost for 100 metre = $Z = X - Y$ Extra cost for one metre = $Z/100$ Percentage increase over item no 2.10.1.2 = $(Z \times 100)/Y$ Say	metre	-100.00	225.45	-22545.00
					71126.40
					711.26
					315.49
					315.00

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 ₹
2.9.1	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 Rate as per Item Number 2.9.1 of SH: Earth Work Refilling, ramming and watering	cum	85.05	275.85	23461.04

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	85.05	125.75	10695.04
0114	Extra labour for ramming of rock	day	2.00	368.00	736.00
	Beldar				34892.08
	TOTAL				7.36
	Add 1 % Water charges on all except (A) i.e. on (34892.08 - 34156.08) = 736.00				34899.44
	TOTAL				111.50
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (34899.44 - 34156.08) = 743.36				35010.94
	Cost for 180 m. length of pipe				194.50
	Cost for 1m. length of pipe				194.50
	Say				

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. $0.75+0.15+0.20 = 1.10\text{m}$ Average depth = $(1.10+1.50)/2 = 1.30\text{m}$ Minimum width of trench = 0.90m $80 \times 0.90 \times 1.30 = 93.60 \text{ cum.}$				
2.9.1	Rate as per item no. 2.9.1 of SH: Earth Work	cum	93.60	275.85	25819.56
	Refilling, ramming and watering				
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	93.60	125.75	11770.20
0114	Extra labour for ramming of rock	day	2.20	368.00	809.60
	Beldar				38399.36
	TOTAL				8.10
	Add 1 % Water charges on all except (A) i.e. on (38399.36 - 37589.76) = 809.60				38407.46
	TOTAL				122.66
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (38407.46 - 37589.76) = 817.70				38530.12
	Cost for 80 m. length of pipe				481.62
	Cost for 1m. length of pipe				481.60
	Say				

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. $0.75+0.15+0.45 = 1.35\text{m}$ Average depth = $(1.35+1.50)/2 = 1.425\text{m}$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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	275.85	11144.06
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	40.399	125.75	5080.17
0114	Beldar	day	0.94	368.00	345.92
	TOTAL				16570.15
	Add 1 % Water charges on all except (A) i.e. on (16570.15 - 16224.23) = 345.92				3.46
	TOTAL				16573.61
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (16573.61 - 16224.23) = 349.38				52.41
	Cost for 30 m length of a pipe				16626.02
	Cost for one m length of a pipe				554.20
	Say				554.20

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-				
2.9.2	Quantity same as in item No.2.10.1.1 Rate as per item no. 2.9.2 of SH: Earth Work	cum	85.05	466.05	39637.55
2.25	Refilling, ramming and watering Rate as per item No.2.25 of SH: Earth Work	cum	85.05	125.75	10695.04
0114	Extra labour for ramming of rock Beldar	day	2.50	368.00	920.00
	TOTAL				51252.59
	Add 1 % Water charges on all except (A) i.e. on (51252.59 - 50332.59) = 920.00				9.20
	TOTAL				51261.79
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (51261.79 - 50332.59) = 929.20				139.38
	Cost for 180 m. length of pipe				51401.17
	Cost for 1m. length of pipe				285.56
	Say				285.55

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				

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	cum	93.60	466.05	43622.28
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	93.60	125.75	11770.20
0114	Beldar	day	2.75	368.00	1012.00
	TOTAL				56404.48
	Add 1 % Water charges on all except (A) i.e. on (56404.48 - 55392.48) = 1012.00				10.12
	TOTAL				56414.60
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (56414.60 - 55392.48) = 1022.12				153.32
	Cost for 80 m. length of pipe				56567.92
	Cost for 1m. length of pipe				707.09
	Say				707.10

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 Refilling, ramming and watering	cum	40.399	466.05	18827.95
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	40.399	125.75	5080.17
0114	Beldar	day	1.17	368.00	430.56
	TOTAL				24338.68
	Add 1 % Water charges on all except (A) i.e. on (24338.68 - 23908.12) = 430.56				4.31
	TOTAL				24342.99
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (24342.99 - 23908.12) = 434.87				65.23
	Cost for 30 m. length of pipe				24408.22
	Cost for 1m. length of pipe				813.60
	Say				813.60

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	656.70	55852.34

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	85.05	125.75	10695.04
0114	Extra labour for ramming of rock				
	Beldar	day	2.50	368.00	920.00
	TOTAL				67467.38
	Add 1 % Water charges on all except (A) i.e. on (67467.38 - 66547.38) = 920.00				9.20
	TOTAL				67476.58
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (67476.58 - 66547.38) = 929.20				139.38
	Cost for 180 m. length of pipe				67615.96
	Cost for 1m. length of pipe				375.64
	Say				375.65

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-				
2.9.3	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	cum	93.60	656.70	61467.12
	Refilling, ramming and watering				
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	93.60	125.75	11770.20
0114	Extra labour for ramming of rock				
	Beldar	day	2.75	368.00	1012.00
	TOTAL				74249.32
	Add 1 % Water charges on all except (A) i.e. on (74249.32 - 73237.32) = 1012.00				10.12
	TOTAL				74259.44
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (74259.44 - 73237.32) = 1022.12				153.32
	Cost for 80 m. length of pipe				74412.76
	Cost for 1m. length of pipe				930.15
	Say				930.15

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-				
2.9.3	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	656.70	26530.02
	Refilling, ramming and watering				
2.25	Rate as per item No.2.25 of SH: Earth Work	cum	40.399	125.75	5080.17
	Extra labour for ramming of rock				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	1.17	368.00	430.56
	TOTAL				32040.75
	Add 1 % Water charges on all except (A) i.e. on (32040.75 - 31610.19) = 430.56				4.31
	TOTAL				32045.06
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (32045.06 - 31610.19) = 434.87				65.23
	Cost for 30 m. length of pipe				32110.29
	Cost for 1m. length of pipe				1070.34
	Say				1070.35

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)

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- 100x0.90x1.50 = 157.50 cum. 200x0.90x20.00 = 360 cum. Total = 517.50 cum.				
2.9.2	Rate as per item no. 2.9.2 of SH: Earth Work 0.50x200x1.90x1 = 190 cum.	cum	517.50	466.05	241180.88
2.7.2	Rate as per item no. 2.7.2 of SH: Earth Work Refilling, ramming and watering 517.50+190.00 = 707.50 cum.	cum	190.00	393.30	74727.00
2.25	Rate as per item No.2.25 of SH: Earth Work Extra for additional lift 0.5x300x0.9x1.5 = 202.50 cum.	cum	707.50	125.75	88968.13
2.26.2	Rate as per item no. 2.26.2 of SH: Earth Work Extra labour for ramming of rock	cum	202.50	92.80	18792.00
0114	Beldar	day	16.50	368.00	6072.00
	TOTAL				429740.01
	Add 1 % Water charges on all except (A) i.e. on (429740.01 - 423668.01) = 6072.00				60.72
	TOTAL				429800.73
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (429800.73 - 423668.01) = 6132.72				919.91
	Cost for 300m length of pipe				430720.64
2.13.2.2	Rate as per Item No.2.13.2.2 of SH: Earth Work (cost of 300 m length of pipe upto 1.5m depth) Extra cost for 300 m = X - Y Extra cost for one m Percentage increase over item 2.13.2.2 = (Zx100)/Y Say	metre	-300.00	707.10	-212130.00
					218590.64
					728.64
					103.05
					103.00

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)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Details of cost for 100m length of a pipe of an average dia. say 200mm. (rate in percentage) Slope assumed 1 in 200. Max depth assumed 3.5m Excavation- 100x0.90x2 = 180 cum. Rate as per item no. 2.9.2 of SH: Earth Work 100x1.90x1.25 = 237.5	cum	180.00	466.05	83889.00
2.7.2	Rate as per item no. 2.7.2 of SH: Earth Work Extra for additional lift 1x100x0.90x1.50 = 135 2x0.50x100x0.90x0.50 = 45 Total = 180 cum.	cum	237.50	393.30	93408.75
2.26.2	Rate as per item no. 2.26.2 of SH: Earth Work Refilling, ramming and watering 180+237.50 = 417.50 cum.	cum	180.00	92.80	16704.00
2.25	Rate as per item No.2.25 of SH: Earth Work Extra labour for ramming of rock	cum	417.50	125.75	52500.63
0114	Beldar TOTAL = 199,217.75	day	9.25	368.00	3404.00
	Add 1 % Water charges on all except (A) i.e. on (249906.38 - 246502.38) = 3404.00				34.04
	TOTAL				249940.42
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (249940.42 - 246502.38) = 3438.04				515.71
	Cost for 100m length of pipe				250456.13
2.13.2.2	Rate as per item No 2.13.2.2 of SH: Earth Work (cost of 100 m length of pipe exceeding 1.5 m and upto 3 m depth) Extra cost for 100 m = X - Y Extra cost for 1 m Percentage increase over item 2.13.2.2 = (Zx100)Y Say	metre	-100.00	707.10	-70710.00
					179746.13
					1797.46
					254.20
					254.00

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 a trench 30m long and 1.5m deep area 2x30x1.50=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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cudm Qty taken for cost of using once after deducting for credit = $3420 \times \frac{1}{4} \times \frac{1}{4} = 213.75$ dm ³	10 cudm	21.375	260.00	5557.50
1197	Wallings 100mmx 100mm of Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum= 1200 cudm Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75$ dm ³	10 cudm	7.50	260.00	1950.00
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.50 = 51m Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.1875$ m CARRIAGE Poling boards = 3.42 cum Walling = 1.20 cum. Balli struts: $3.14/4 \times (0.125)^3 \times 51 = 0.63$ cum Total of carriage = $5.25 \times \frac{1}{4} = 1.3125$ cum.	metre	3.1875	35.00	111.56
2204	Carriage of Timber	cum	1.3125	118.59	155.65
0112	Carpenter 2nd class	day	0.50	448.00	224.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				8413.26
	Add 1 % Water charges				84.13
	TOTAL				8497.39
	Add 15 % Contractor's profit and overheads				1274.61
	Cost of 90 Sqm.				9772.00
	Cost per sqm.				108.57
	Say				108.55

2.16.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a trench 30m long and 1.5m deep Area 2x30x1.50=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				
1198	Poling boards of Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cudm Qty taken for cost of using once after deducting for credit = $3420 \times \frac{1}{4} \times \frac{1}{4} = 213.75$ dm ³	10 cudm	21.375	260.00	5557.50
1197	Walings 100 mmx 100mm of Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum = 1200 cudm Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75$ dm ³	10 cudm	7.50	260.00	1950.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.50 = 51m Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.1875$ m CARRIAGE Poling boards = 3.42 cum Walling= 1.20 cum. Balli struts: $3.14/4 \times (0.125)^3 \times 51 = 0.63$ cum Total of carriage = $5.25 \times \frac{1}{4} = 1.3125$ cum.	metre	3.1875	35.00	111.56
2204	Carriage of Timber	cum	1.3125	118.59	155.65
0112	Carpenter 2nd class	day	0.75	448.00	336.00
0114	Beldar	day	2.00	368.00	736.00
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				8916.65
	Add 1 % Water charges				89.17
	TOTAL				9005.82
	Add 15 % Contractor's profit and overheads				1350.87
	Cost of 90 Sqm.				10356.69
	Cost per sqm.				115.07
	Say				115.05

2.16.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench 30m long and 1.5m deep 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 Second class kail wood in planks 90x0.038 = 3.42 cum = 3420 cum Qty taken for cost of using once after deducting for credit = $3420 \times \frac{1}{4} \times \frac{1}{4} = 213.75$ dm ³	10 cudm	21.375	260.00	5557.50
1197	Wallings 100mmx 100mm of Second class kail wood in scantling 4x30x0.10x0.10 = 1.20cum = 1200 dm ³ Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75$ dm ³	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 = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.1875$ m CARRIAGE Poling boards = 3.42 cum Walling = 1.20 cum. Balli struts: $3.14/4 \times (0.125)^3 \times 51 = 0.63$ cum Total of carriage = $5.25 \times \frac{1}{4} = 1.3125$ cum.	metre	3.1875	35.00	111.56
2204	Carriage of Timber	cum	1.3125	118.59	155.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	1.50	448.00	672.00
0114	Beldar	day	4.00	368.00	1472.00
9999	Sundries	L.S.	80.73	1.73	139.66
	TOTAL				10058.37
	Add 1 % Water charges				100.58
	TOTAL				10158.95
	Add 15 % Contractor's profit and overheads				1523.84
	Cost of 90 Sqm.				11682.79
	Cost per sqm.				129.80
	Say				129.80

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 ₹
1198	Details of cost for a manhole 1.2m x 1.0m x 1.5m- Surface area: $2 \times (1.2+1.0) \times 1.5 = 6.6\text{sqm}$ 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 Second class kail wood in planks $6.60 \times 0.038 = 0.251\text{ cum} = 251\text{ cudm}$ Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4} = 15.6875\text{ dm}^3$	10 cudm	1.56875	260.00	407.88
1197	Wallings 100mm x 100mm of Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.1 \times 0.1 = 0.045\text{ cum}$ $2 \times 2 \times 0.924 \times 0.1 \times 0.1 = 0.037\text{ cum.}$ Total Kail wood = $0.082\text{ cum.} = 82\text{dm}^3$ Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4} = 5.125\text{ dm}^3$	10 cudm	0.5125	260.00	133.25
0302	Safeda ballies 125 mm diameter and 1.50m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4} = 0.4118\text{m}$	metre	0.4118	35.00	14.41
2204	Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59 = 0.081\text{ cum.}$ Total of carriage = $0.414\text{ cum} \times \frac{1}{4} = 0.1035\text{ cum}$	cum	0.1035	118.59	12.27

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0112	Carpenter 2nd class	day	0.06	448.00	26.88
0114	Beldar	day	0.12	368.00	44.16
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				643.57
	Add 1 % Water charges				6.44
	TOTAL				650.01
	Add 15 % Contractor's profit and overheads				97.50
	Cost of 6.6 sqm.				747.51
	Cost per sqm.				113.25
	Say				113.25

2.17.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a manhole 1.2m x 1.0m x 1.5m- Surface area: $2 \times (1.2+1.0) \times 1.5 = 6.6 \text{sqm}$				
	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 $6.6 \times 0.038 = 0.251 \text{ cum} = 251 \text{ cudm}$ Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4} = 15.6875 \text{ dm}^3$	10 cudm	1.56875	260.00	407.88
	Walling of				
1197	Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.1 \times 0.1 = 0.045 \text{ cum}$ $2 \times 2 \times 0.924 \times 0.1 \times 0.1 = 0.037 \text{ cum.}$ Total Kail wood = $0.082 \text{ cum.} = 82 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4} = 5.125 \text{ dm}^3$	10 cudm	0.5125	260.00	133.25
0302	Safeda ballies 125 mm diameter and 1.5m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4} = 0.4118 \text{ m}$	metre	0.4118	35.00	14.41
2204	Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59 = 0.081 \text{ cum.}$ Total of carriage = $0.414 \text{ cum} \times \frac{1}{4} = 0.1035 \text{ cum}$	cum	0.1035	118.59	12.27
	LABOUR				
0112	Carpenter 2nd class	day	0.12	448.00	53.76
0114	Beldar	day	0.25	368.00	92.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	5.46	1.73	9.45
	TOTAL				723.02
	Add 1 % Water charges				7.23
	TOTAL				730.25
	Add 15 % Contractor's profit and overheads				109.54
	Cost of 6.6 sqm.				839.79
	Cost per sqm.				127.24
	Say				127.25

2.17.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a manhole 1.2m x 1.0m x 1.5m- Surface area: $2 \times (1.2+1.0) \times 1.5 = 6.6 \text{sqm}$ 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 Second class kail wood in planks $6.6 \times 0.038 = 0.251 \text{ cum} = 251 \text{ cudm}$ Qty taken for cost of using once after deducting for credit = $251 \times \frac{1}{4} \times \frac{1}{4} = 15.6875 \text{ dm}^3$	10 cudm	1.56875	260.00	407.88
1197	Walling of Second class kail wood in scantling $2 \times 2 \times 1.124 \times 0.10 \times 0.10 = 0.045 \text{ cum}$ $2 \times 2 \times 0.924 \times 0.10 \times 0.10 = 0.037 \text{ cum.}$ Total Kail wood = $0.082 \text{ cum.} = 82 \text{dm}^3$ Qty taken for cost of using once after deducting for credit = $82 \times \frac{1}{4} \times \frac{1}{4} = 5.125 \text{ dm}^3$	10 cudm	0.525	260.00	133.25
0302	Safeda ballies 125 mm diameter and 1.50m long $2 \times 2 \times 0.924 = 3.696$ $2 \times 2 \times 0.724 = 2.896$ Total of balli = 6.592m Qty taken for cost of using once after deducting for credit = $6.592 \times \frac{1}{4} \times \frac{1}{4} = 0.4118 \text{ m}$	metre	0.4118	35.00	14.41
2204	Carriage of Timber CARRIAGE Poling boards = 0.251 cum Walling = 0.082 cum. Balli struts $3.14/4 \times (0.125)^2 \times 6.59 = 0.081 \text{ cum.}$ Total of carriage = $0.414 \text{ cum} \times \frac{1}{4} = 0.1035 \text{ cum}$	cum	0.1035	118.59	12.27
0112	LABOUR Carpenter 2nd class	day	0.19	448.00	85.12
0114	Beldar	day	0.38	368.00	139.84
9999	Sundries	L.S.	8.06	1.73	13.94
	TOTAL				806.71
	Add 1 % Water charges				8.07
	TOTAL				814.78
	Add 15 % Contractor's profit and overheads				122.22
	Cost of 6.6 sqm.				937.00
	Cost per sqm.				141.96
	Say				141.95

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 ₹
1198	Details of cost for an area 30m long and 1.50m deep-Area -30x1.5m = 45 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 Second class kail wood in planks 250x38mm : $45 \times 0.038 = 1.71 \text{ cum} = 1710 \text{ cudm}$ Qty taken for cost of using once after deducting for credit = $1710 \times \frac{1}{4} \times \frac{1}{4} = 106.875 \text{ dm}^3$	10 cudm	10.6875	260.00	2778.75
1197	Wallings 100mmx 100mm of Second class kail wood in scantling 100x100mm : $30 \times 0.10 \times 0.10 = 0.30 \text{ cum} = 300 \text{ cudm}$ Qty taken for cost of using once after deducting for credit = $300 \times \frac{1}{4} \times \frac{1}{4} = 18.75 \text{ dm}^3$	10 cudm	1.875	260.00	487.50
0302	Raking struts Safeda ballies 125 mm diameter Qty taken for cost of using once after deducting for credit = $25.5 \times \frac{1}{4} \times \frac{1}{4} = 1.59 \text{ m}$	metre	1.59	35.00	55.65
2204	Carriage of Timber CARRIAGE Poling boards = 1.71 cum Walling = 0.30 cum Raking struts $3.14/4 \times (0.125)^2 = 0.313 \text{ cum}$ Total of carriage = $2.323 \text{ cum} \times \frac{1}{4} = 0.581 \text{ cum}$	cum	0.581	118.59	68.90
0112	LABOUR Carpenter 2nd class	day	0.25	448.00	112.00
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries	L.S.	31.46	1.73	54.43
	TOTAL				3741.23
	Add 1 % Water charges				37.41
	TOTAL				3778.64
	Add 15 % Contractor's profit and overheads				566.80
	Cost of 45 Sqm.				4345.44
	Cost per sqm.				96.56
	Say				96.55

2.18.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for an area 30m long and 1.5m deep-Area -30x1.5m = 45 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Poling boards of Second class kail wood in planks 250x38mm : 45x0.038 = 1.71 cum =1710 cudm Qty taken for cost of using once after deducting for credit = $1710 \times \frac{1}{4} \times \frac{1}{4} =$ 106.875 dm ³	10 cudm	10.6875	260.00	2778.75
1197	Walling of Second class kail wood in scantling 100x100mm : 30x0.10x0.10 = 0.30cum = 300 cudm Qty taken for cost of using once after deducting for credit = $300 \times \frac{1}{4} \times \frac{1}{4} =$ 18.75 dm ³	10 cudm	1.875	260.00	487.50
0302	Raking struts Safeda ballies 125 mm diameter 17 x 1.5 = 25.5m Qty taken for cost of using once after deducting for credit = $25.5 \times \frac{1}{4} \times \frac{1}{4} =$ 1.59 m	metre	1.59	35.00	55.65
2204	Carriage of Timber CARRIAGE Poling boards = 1.71 cum Walling = 0.30 cum. Raking struts $3.14/4 \times (0.125)^2 =$ 0.313 cum Total of carriage = 2.323 cum x $\frac{1}{4}$ = 0.581 cum	cum	0.581	118.59	68.90
0112	LABOUR Carpenter 2nd class	Day	0.50	448.00	224.00
0114	Beldar	Day	1.00	368.00	368.00
9999	Sundries	L.S.	34.06	1.73	58.92
	TOTAL				4041.72
	Add 1 % Water charges				40.42
	TOTAL				4082.14
	Add 15 % Contractor's profit and overheads				612.32
	Cost of 45 Sqm.				4694.46
	Cost per sqm.				104.32
	Say				104.30

2.18.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for an area 30m long and 1.5m deep-Area -30x1.5m = 45 sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost				
1198	Poling boards of Second class kail wood in planks 250x38mm : 45x0.038 = 1.71 cum = 1710 cudm Qty taken for cost of using once after deducting for credit = $1710 \times \frac{1}{4} \times \frac{1}{4} =$ 106.875 dm ³ Walling of	10 cudm	10.6875	260.00	2778.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Second class kail wood in scantling 100x100mm : 30x0.10x0.10 = 0.30cum = 300 cudm Qty taken for cost of using once after deducting for credit = $300 \times \frac{1}{4} \times \frac{1}{4} = 18.75 \text{ dm}^3$	10 cudm	1.875	260.00	487.50
0302	Raking struts Safeda ballies 125 mm diameter and 1.5m long $17 \times 1.50 = 25.5\text{m}$ Qty taken for cost of using once after deducting for credit = $25.5 \times \frac{1}{4} \times \frac{1}{4} = 1.59 \text{ m}$	metre	1.59	35.00	55.65
2204	Carriage of Timber CARRIAGE Poling boards = 1.71 cum Walling = 0.30 cum. Raking struts $3.14/4 \times (0.125)^2 = 0.313 \text{ cum}$ Total of carriage = $2.323 \text{ cum} \times \frac{1}{4} = 0.581 \text{ cum}$	cum	0.581	118.59	68.90
	LABOUR				
0112	Carpenter 2nd class	day	0.75	448.00	336.00
0114	Beldar	day	1.50	368.00	552.00
9999	Sundries	L.S.	47.58	1.73	82.31
	TOTAL				4361.11
	Add 1 % Water charges				43.61
	TOTAL				4404.72
	Add 15 % Contractor's profit and overheads				660.71
	Cost of 45 Sqm.				5065.43
	Cost per sqm.				112.56
	Say				112.55

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 ₹
1198	Details of cost for a trench 30m long and 1.5m deep area $2 \times 30 \times 1.5 = 90 \text{ sqm}$ - MATERIAL Poling boards of Second class kail wood in planks $90 \times 0.038 = 3.42 \text{ cum} = 3420 \text{ cudm}$ Less @ 1/8 of Qty as timber is supposed to be used once before = $3420 - 427.5 =$ 2992.5 dm^3	10 cudm	299.25	260.00	77805.00
1197	Walings 100mmx100mm of Second class kail wood in scantling $4 \times 30 \times 0.10 \times 0.10 = 1.20 \text{ cum} = 1200 \text{ cudm}$ Less @ 1/8 of Qty as timber is supposed to be used once before = $1200 - 150 =$ 1050 dm^3 Struts of	10 cudm	105.00	260.00	27300.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0302	Safeda ballies 125 mm diameter and 1.5m long 2x17x1.5 = 51m Less @ 1/8 of Qty as timber is supposed to be used once before = 51 - 6.37 = 44.63 m	metre	44.63	35.00	1562.05
2204	Carriage of Timber Poling boards = 3.42 cum Walling= 1.20 cum. Balli struts: $3.14/4 \times (0.125)^2 \times 51 = 0.63$ cum = 5.25 cum Taking half = $5.25 \times \frac{1}{2} = 2.675$ cum	cum	2.675	118.59	317.24
	TOTAL				106984.29
	Add 1 % Water charges				1069.84
	TOTAL				108054.13
	Add 15 % Contractor's profit and overheads				16208.12
	Cost of 90 Sqm.				124262.25
	Cost per sqm.				1380.69
	Say				1380.70

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 - $2 \times 30 \times 1.5 = 90$ sqm. MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost				
1198	Poling board of Second class kail wood in planks 1.5mx0.25x0.038m $2 \times 40 \times 1.5 \times 0.25 \times 0.038 = 1.14$ cum = 1140 cum Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4} = 71.25$ cum	10 cudm	7.125	260.00	1852.50
1197	Second class kail wood in scantling Walling 100mmx100mm : $4 \times 30 \times 0.10 \times 0.10 = 1.20$ cum = 1200 cum Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75$ dm ³	10 cudm	7.50	260.00	1950.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.50 = 51$ m Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18$ m	metre	3.18	35.00	111.30

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts $3.14/4 \times (0.125)^2 = 0.63$ cum Total of carriage = $2.97 \text{ cum} \times \frac{1}{4} = 0.74$	cum	0.74	118.59	87.76
0112	LABOUR Carpenter 2nd class	day	0.25	448.00	112.00
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				4331.74
	Add 1 % Water charges				43.32
	TOTAL				4375.06
	Add 15 % Contractor's profit and overheads				656.26
	Cost of 90 Sqm				5031.32
	Cost per sqm.				55.90
	Say				55.90

2.20.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench of length 30m and 1.5m deep surface area - $2 \times 30 \times 1.5 = 90$ 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 Second class kail wood in planks $1.50 \text{m} \times 0.25 \times 0.038 \text{m} \times 2 \times 40 \times 1.50 \times 0.25 \times 0.038 = 1.14 \text{cum} = 1140 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4} = 71.25 \text{ dm}^3$	10 cu dm	7.125	260.00	1852.50
1197	Wallings of Second class kail wood in scantling $100 \text{mm} \times 100 \text{mm} : 4 \times 30 \text{m} \times 0.10 \text{m} \times 0.10 \text{m} = 1.20 \text{cum} = 1200 \text{ cu dm}$ Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75 \text{ dm}^3$	10 cu dm	7.50	260.00	1950.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51 \text{m}$ Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18 \text{ m}$	metre	3.18	35.00	111.30
2204	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts $3.14/4 \times (0.125)^2 = 0.63$ cum Total of carriage = $2.97 \text{ cum} \times \frac{1}{4} = 0.74$	cum	0.74	118.59	87.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.50	448.00	224.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries	L.S.	33.15	1.73	57.35
	TOTAL				4650.91
	Add 1 % Water charges				46.51
	TOTAL				4697.42
	Add 15 % Contractor's profit and overheads				704.61
	Cost of 90 Sqm				5402.03
	Cost per sqm.				60.02
	Say				60.00

2.20.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a trench of length 30m and 1.5m deep surface area - $2 \times 30 \times 1.5 = 90$ 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 Second class kail wood in planks 1.50mx0.25x0.038m : $2 \times 40 \times 1.5 \times 0.25 \times 0.038 = 1.14$ cum = 1140 cum Qty taken for cost of using once after deducting for credit = $1140 \times \frac{1}{4} \times \frac{1}{4} = 71.25$ dm ³	10 cudm	7.125	260.00	1852.50
1197	Wallings of Second class kail wood in scantling 100mmx100mm : $4 \times 30 \times 0.1 \times 0.1 = 1.20$ cum = 1200 cum Qty taken for cost of using once after deducting for credit = $1200 \times \frac{1}{4} \times \frac{1}{4} = 75$ dm ³	10 cudm	7.50	260.00	1950.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51$ m Qty taken for cost of using once after deducting for credit = $51 \times \frac{1}{4} \times \frac{1}{4} = 3.18$ m	metre	3.18	35.00	111.30
2204	Carriage of Timber CARRIAGE: Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts $3.14/4 \times (0.125)^2 = 0.63$ cum Total of carriage = 2.97 cum x $\frac{1}{4} = 0.74$	cum	0.74	118.59	87.76
0112	LABOUR Carpenter 2nd class	day	1.00	448.00	448.00
0114	Beldar	day	1.75	368.00	644.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	46.67	1.73	80.74
	TOTAL				5174.30
	Add 1 % Water charges				51.74
	TOTAL				5226.04
	Add 15 % Contractor's profit and overheads				783.91
	Cost of 90 Sqm				6009.95
	Cost per sqm.				66.77
	Say				66.75

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 ₹
1198	Details of cost for a manhole 1.2x 1m x 1.5m - Surface area $2(1.2+1.0) \times 1.5 = 6.6$ 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 Second class kail wood in planks 250mm wide and 38mm thick $6 \times 0.25 \times 1.5 \times 0.038 = 0.086$ cum = 86cudm Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4} = 5.3755$ dm ³	10 cudm	0.5375	260.00	139.75
1197	Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.2 \times 0.1 \times 0.1 = 0.048$ cum = 48 dm ³ Qty taken for cost of using once after deducting for credit = $48 \times \frac{1}{4} \times \frac{1}{4} = 3$ dm ³	10 cudm	0.30	260.00	78.00
0302	Struts of Safeda ballies 125 mm diameter $(4 \times 1.0 = 4.0) + (2 \times 1.2 = 2.4) = 6.4$ m Qty taken for cost of using once after deducting for credit = $6.4 \times \frac{1}{4} \times \frac{1}{4} = 0.4$ m	metre	0.40	35.00	14.00
2204	Carriage of Timber CARRIAGE : Poling boards = 0.086 cum Walling = 0.048 cum Ballies struts $3.14/4 \times (0.125)^2 \times 6.4 = 0.079$ cum Total of carriage = 0.213 cum $\times \frac{1}{4} = 0.053$ cum	cum	0.053	118.59	6.29
0112	LABOUR Carpenter 2nd class	day	0.03	448.00	13.44
0114	Beldar	day	0.06	368.00	22.08

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	1.82	1.73	3.15
	TOTAL				276.71
	Add 1 % Water charges				2.77
	TOTAL				279.48
	Add 15 % Contractor's profit and overheads				41.92
	Cost of 6.6 sqm.				321.40
	Cost per sqm.				48.69
	Say				48.70

2.21.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for a manhole 1.2x 1m x 1.5m - Surface area $2(1.2+1.0) \times 1.5 = 6.6$ 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 Second class kail wood in planks 250mm wide and 38mm thick : $6 \times 0.25 \times 1.50 \times 0.038 = 0.086$ cum = 86cudm Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4} = 5.3755$ dm ³	10 cudm	0.5375	260.00	139.75
1197	Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.20 \times 0.10 \times 0.10 = 0.048$ cum = 48 dm ³ Qty taken for cost of using once after deducting for credit = $48 \times \frac{1}{4} \times \frac{1}{4} = 3$ dm ³	10 cudm	0.30	260.00	78.00
0302	Struts of Safeda ballies 125 mm diameter $(4 \times 1.00 = 4.00) + (2 \times 1.20 = 2.40) = 6.40$ m Qty taken for cost of using once after deducting for credit = $6.40 \times \frac{1}{4} \times \frac{1}{4} = 0.40$ m	metre	0.40	35.00	14.00
2204	Carriage of Timber CARRIAGE : Poling boards = 0.086 cum Walling = 0.048 cum Ballies struts $3.14/4 \times (0.125)^2 \times 6.40 = 0.079$ cum Total of carriage = 0.213 cum $\times \frac{1}{4} = 0.053$ cum	cum	0.053	118.59	6.29
0112	LABOUR Carpenter 2nd class	day	0.06	448.00	26.88
0114	Beldar	day	0.12	368.00	44.16
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				313.80
	Add 1 % Water charges				3.14
	TOTAL				316.94
	Add 15 % Contractor's profit and overheads				47.54
	Cost of 6.6 sqm.				364.48
	Cost per sqm.				55.22
	Say				55.20

2.21.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a manhole 1.2x 1m x 1.5m - Surface area $2(1.2+1.0) \times 1.5 = 6.6$ sqm MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost				
1198	Polling boards of Second class kail wood in planks 250mm wide and 38mm thick : $6 \times 0.25 \times 1.50 \times 0.038 = 0.086$ cum = 86cudm Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4} = 5.3755$ dm ³	10 cudm	0.5375	260.00	139.75
1197	Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.20 \times 0.10 \times 0.10 = 0.048$ cum = 48 dm ³ Qty taken for cost of using once after deducting for credit = $48 \times \frac{1}{4} \times \frac{1}{4} = 3$ dm ³	10 cudm	0.30	260.00	78.00
0302	Struts of Safeda ballies 125 mm diameter $(4 \times 1.00 = 4.00) + (2 \times 1.20 = 2.40) = 6.40$ m Qty taken for cost of using once after deducting for credit = $6.40 \times \frac{1}{4} \times \frac{1}{4} = 0.40$ m	metre	0.40	35.00	14.00
2204	CARRIAGE : Carriage of Timber Poling boards = 0.086 cum Walling = 0.048 cum Ballies struts $3.14/4 \times (0.125)^2 \times 6.40 = 0.079$ cum Total of carriage = 0.213 cum x $\frac{1}{4} = 0.053$ cum	cum	0.053	118.59	6.29
0112	LABOUR Carpenter 2nd class	day	0.06	448.00	26.88
0114	Beldar	day	0.12	368.00	44.16
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				313.80
	Add 1 % Water charges				3.14
	TOTAL				316.94
	Add 15 % Contractor's profit and overheads				47.54
	Cost of 6.6 sqm.				364.48
	Cost per sqm.				55.22
	Say				55.20

2.21.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a manhole 1.2x 1m x 1.5m - Surface area $2(1.20+1.00) \times 1.50 = 6.60$ sqm MATERIAL The Material can be used four times on the same work and after use of material credit				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	is given @ 75% of cost Polling boards of Second class kail wood in planks 250mm wide and 38mm thick : $6 \times 0.25 \times 1.50 \times 0.038 = 0.086 \text{ cum} = 86 \text{ cum}$ Qty taken for cost of using once after deducting for credit = $86 \times \frac{1}{4} \times \frac{1}{4} = 5.3755 \text{ dm}^3$	10 cudm	0.5375	260.00	139.75
1197	Walling 100mmx100mm of Second class kail wood in scantling $4 \times 1.2 \times 0.10 \times 0.10 = 0.048 \text{ cum} = 48 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $48 \times \frac{1}{4} \times \frac{1}{4} = 3 \text{ dm}^3$	10 cudm	0.30	260.00	78.00
0302	Struts of Safeda ballies 125 mm diameter $(4 \times 1.0 = 4.0) + (2 \times 1.2 = 2.4) = 6.4 \text{ m}$ Qty taken for cost of using once after deducting for credit = $6.4 \times \frac{1}{4} \times \frac{1}{4} = 0.4 \text{ m}$	metre	0.40	35.00	14.00
2204	Carriage of Timber CARRIAGE : Poling boards = 0.086 cum Walling = 0.048 cum Ballies struts $3.14/4 \times (0.125)^2 \times 6.4 = 0.079 \text{ cum}$ Total of carriage = $0.213 \text{ cum} \times \frac{1}{4} = 0.053 \text{ cum}$	cum	0.053	118.59	6.29
0112	LABOUR Carpenter 2nd class	day	0.10	448.00	44.80
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	3.64	1.73	6.30
	TOTAL				362.74
	Add 1 % Water charges				3.63
	TOTAL				366.37
	Add 15 % Contractor's profit and overheads				54.96
	Cost of 6.6 sqm.				421.33
	Cost per sqm.				63.83
	Say				63.85

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 an area 30m long and 1.5m deep area = $30 \times 1.5 = 45 \text{ sqm}$. 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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Second class kail wood in planks 250mm x 38mm $40 \times 1.50 \times 0.25 \times 0.038 = 0.57 \text{ cum.} = 570 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4} = 35.625 \text{ dm}^3$	10 cudm	3.5625	260.00	926.25
0302	Raking struts- Safeda ballies 125 mm diameter 40x1.50 = 60m Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4} = 3.75 \text{ m}$	metre	3.75	35.00	131.25
2204	Carriage of Timber CARRIAGE : Poling boards = 0.57 cum Ballies $40 \times 1.5 \times 3.14 / 4 \times 0.125^2 = 0.4 \text{ cum.}$ Total for carriage = $1.31 \text{ cum} \times \frac{1}{4} = 0.3275 \text{ cum}$	cum	0.3275	118.59	38.84
0112	LABOUR Carpenter 2nd class	day	0.12	448.00	53.76
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				1276.28
	Add 1 % Water charges				12.76
	TOTAL				1289.04
	Add 15 % Contractor's profit and overheads				193.36
	Cost of 45 sqm.				1482.40
	Cost per sqm.				32.94
	Say				32.95

2.22.2 Depth exceeding 1.5 m but not exceeding 3 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for an area 30m long and 1.5m deep area = $30 \times 1.5 = 45 \text{ sqm.}$ MATERIAL The Material can be used four times on the same work and after use of material credit is given @ 75% of cost				
1198	Polling boards of Second class kail wood in planks 250mm x 38mm $40 \times 1.50 \times 0.25 \times 0.038 = 0.57 \text{ cum.} = 570 \text{ dm}^3$ Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4} = 35.625 \text{ dm}^3$	10 cudm	3.5625	260.00	926.25
0302	Raking struts- Safeda ballies 125 mm diameter 40x1.50 = 60m Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4} = 3.75 \text{ m}$	metre	3.75	35.00	131.25
2204	Carriage of Timber CARRIAGE : Poling boards = 0.57 cum Ballies $40 \times 1.50 \times 3.14 / 4 \times 0.125^2 = 0.4 \text{ cum.}$ Total for carriage = $1.31 \text{ cum} \times \frac{1}{4} = 0.3275 \text{ cum}$	cum	0.3275	118.59	38.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0112	Carpenter 2nd class	day	0.25	448.00	112.00
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries	L.S.	33.15	1.73	57.35
	TOTAL				1449.69
	Add 1 % Water charges				14.50
	TOTAL				1464.19
	Add 15 % Contractor's profit and overheads				219.63
	Cost of 45 sqm.				1683.82
	Cost per sqm.				37.41
	Say				37.40

2.22.3 Depth exceeding 3 m but not exceeding 4.5 m

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for an area 30m long and 1.5m deep area = 30 x 1.50 = 45 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	3.5625	260.00	926.25
	$40 \times 1.50 \times 0.25 \times 0.038 = 0.57 \text{ cum.} = 570 \text{ dm}^3$				
	Qty taken for cost of using once after deducting for credit = $570 \times \frac{1}{4} \times \frac{1}{4} = 35.625 \text{ dm}^3$				
	Raking struts-				
0302	Safeda ballies 125 mm diameter 40x1.50 = 60m	metre	3.75	35.00	131.25
	Qty taken for cost of using once after deducting for credit = $60 \times \frac{1}{4} \times \frac{1}{4} = 3.75 \text{ m}$				
2204	Carriage of Timber	cum	0.3275	118.59	38.84
	CARRIAGE :				
	Poling boards = 0.57 cum				
	Ballies $40 \times 1.5 \times 3.14 / 4 \times 0.125^2 = 0.4 \text{ cum.}$				
	Total for carriage = $1.31 \text{ cum} \times \frac{1}{4} = 0.3275 \text{ cum}$				
	LABOUR				
0112	Carpenter 2nd class	day	0.50	448.00	224.00
0114	Beldar	day	0.88	368.00	323.84
9999	Sundries	L.S.	47.58	1.73	82.31
	TOTAL				1726.49
	Add 1 % Water charges				17.26
	TOTAL				1743.75
	Add 15 % Contractor's profit and overheads				261.56
	Cost of 45 sqm.				2005.31
	Cost per sqm.				44.56
	Say				44.55

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 ₹
1198	Details of cost for a trench of length 30m and 1.5m deep surface area - $2 \times 30 \times 1.5 = 90$ sqm. MATERIAL Poling boards of Second class kail wood in planks $1.50 \times 0.25 \times 0.038$ $2 \times 40 \times 1.50 \times 0.25 \times 0.038 = 1.14$ cum = 1140 cu dm Less @ 1/8 of Qty as timber is supposed to be used once before = $1140 - 142.5 = 997.5$ dm ³	10 cu dm	99.75	260.00	25935.00
1197	Walling 100mm x 100mm of Second class kail wood in scantling $4 \times 30 \times 0.10 \times 0.10$ m = 1.20 cum = 1200 cu dm Less @ 1/8 of Qty as timber is supposed to be used once before = $1200 - 150 = 1050$ dm ³	10 cu dm	105.00	260.00	27300.00
0302	Struts of Safeda ballies 125 mm diameter and 1.5m long $2 \times 17 \times 1.5 = 51$ m Less @ 1/8 of Qty as timber is supposed to be used once before = $51 - 6.37 = 44.63$ m	metre	44.63	35.00	1562.05
2204	Carriage of Timber Poling boards = 1.14 cum Walling = 1.20 cum Ballies struts $51 \times 3.14 \times \frac{1}{4} \times 0.125^2 = 0.63$ cum Total of carriage = 2.97 cum Taking half = $2.97 \times \frac{1}{2} = 1.485$ cum	cum	1.485	118.59	176.11
	TOTAL				54973.16
	Add 1 % Water charges				549.73
	TOTAL				55522.89
	Add 15 % Contractor's profit and overheads				8328.43
	Cost of 90 sqm.				63851.32
	Cost per sqm.				709.45
	Say				709.45

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 Say			25.00% 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 condition. The depth shall be reckoned correct to 0.10 m, 2.05 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 m and lift upto 1.5 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cum. LABOUR				
0128	Mate	day	0.20	407.00	81.40
0115	Coolie	day	2.50	368.00	920.00
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				1082.80
	Add 1 % Water charges				10.83
	TOTAL				1093.63
	Add 15 % Contractor's profit and overheads				164.04
	Cost of 10 cum.				1257.67
	Cost of 1 cum.				125.76
	Say				125.75

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	407.00	40.70
0114	Beldar	day	1.10	368.00	404.80
	TOTAL				445.50
	Add 1 % Water charges				4.46
	TOTAL				449.96
	Add 15 % Contractor's profit and overheads				67.49
	Cost of 10 cum.				517.45
	Cost of 1 cum.				51.74
	Say				51.75

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	407.00	81.40
0114	Beldar	day	1.95	368.00	717.60
	TOTAL				799.00
	Add 1 % Water charges				7.99
	TOTAL				806.99
	Add 15 % Contractor's profit and overheads				121.05
	Cost of 10 cum.				928.04
	Cost of 1 cum.				92.80
	Say				92.80

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	600.00	6000.00
2335	Carriage of Jamuna sand	cum	10.00	103.77	1037.69
	LABOUR				
0114	Beldar	Day	0.89	368.00	327.52
0115	Coolie	Day	1.07	368.00	393.76
0101	Bhisti	Day	0.35	407.00	142.45
	TOTAL				7901.42
	Add 1 % Water charges				79.01
	TOTAL				7980.43
	Add 15 % Contractor's profit and overheads				1197.06
	Cost of 10 cum.				9177.49
	Cost of 1 cum.				917.74
	Say				917.75

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	368.00	724.96
0115	Coolie	day	1.29	368.00	474.72
	TOTAL				1199.68
	Add 1 % Water charges				12.00
	TOTAL				1211.68
	Add 15 % Contractor's profit and overheads				181.75
	Cost of 100 sqm.				1393.43
	Cost of 1 sqm.				13.93
	Say				13.95

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 ₹
0114	Details of cost for 100 sqm. LABOUR				
	Beldar	day	2.75	368.00	1012.00
0101	Bhisti	day	0.50	407.00	203.50
	TOTAL				1215.50
	Add 1 % Water charges				12.16
	TOTAL				1227.66
	Add 15 % Contractor's profit and overheads				184.15
	Cost of 100 sqm.				1411.81
	Cost of 1 sqm.				14.11
	Say				14.10

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 20 cm 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 ₹
2.8.1	Details of cost for 10 holes- Earth work 10 x 0.30 (avg) = 3.0 cum				
	Rate as per item no. 2.8.1 of SH: Earth work	cum	3.00	166.40	499.20
9999	Extra labour for filling and ramming				
	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				522.59
	Add 1 % Water charges on all except (A) i.e. on (522.59 - 499.20) = 23.39				0.23
	TOTAL				522.82
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (522.82 - 499.20) = 23.62				3.54
	Cost of 10 holes				526.36
	Cost of 1 hole				52.63
	Say				52.65

2.30.2 Ordinary rock

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.1	Details of cost for 10 holes- Earth work 10 x 0.3 (avg) = 3.0 cum				
	Rate as per Item Number 2.9.1 of SH: Earth Work	cum	3.00	275.85	827.55
	Extra labour for filling and ramming				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				850.94
	Add 1 % Water charges on all except (A) i.e. on (850.94 - 827.55) = 23.39				0.23
	TOTAL				851.17
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (851.17 - 827.55) = 23.62				3.54
	Cost of 10 holes				854.71
	Cost of 1 hole				85.47
	Say				85.45

2.30.3 Hard rock (requiring blasting)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.2	Details of cost for 10 holes- Earth work 10 x 0.3 (avg) = 3.0 cum Rate as per Item Number 2.9.2 of SH: Earth Work	cum	3.00	466.05	1398.15
9999	Extra labour for filling and ramming				
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				1421.54
	Add 1 % Water charges on all except (A) i.e. on (1421.54 - 1398.15) = 23.39				0.23
	TOTAL				1421.77
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1421.77 - 1398.15) = 23.62				3.54
	Cost of 10 holes				1425.31
	Cost of 1 hole				142.53
	Say				142.55

2.30.4 Hard rock (blasting prohibited)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2.9.3	Details of cost for 10 holes- Earth work 10 x 0.3 (avg) = 3.0 cum Rate as per Item Number 2.9.3 of SH: Earth Work	cum	3.00	656.70	1970.10
9999	Extra labour for filling and ramming				
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				1993.49
	Add 1 % Water charges on all except (A) i.e. on (1993.49 - 1970.10) = 23.39				0.23
	TOTAL				1993.72
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1993.72 - 1970.10) = 23.62				3.54
	Cost of 10 holes				1997.26
	Cost of 1 hole				199.72
	Say				199.70

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	368.00	397.44
0115	Coolie	day	0.60	368.00	220.80
	TOTAL				618.24
	Add 1 % Water charges				6.18
	TOTAL				624.42
	Add 15 % Contractor's profit and overheads				93.66
	Cost of 100 sqm.				718.08
	Cost of 1 sqm.				7.18
	Say				7.20

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	368.00	220.80
0115	Coolie	day	0.25	368.00	92.00
9999	Sundries	L.S.	1.82	1.73	3.15
	TOTAL				315.95
	Add 1 % Water charges				3.16
	TOTAL				319.11
	Add 15 % Contractor's profit and overheads				47.87
	Cost of 100 sqm				366.98
	Cost of 1 sqm				3.66
	Say				3.65

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- $3.14/4 \times 0.15 \times 0.15 \times 3 = 0.053$ cum.				
	Add 20% for branches = 0.011 cum.				
	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	368.00	121.44

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.17	368.00	62.56
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				188.72
	Add 1 % Water charges				1.89
	TOTAL				190.61
	Add 15 % Contractor's profit and overheads				28.59
	Cost of one tree				219.20
	Say				219.20

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	368.00	552.00
0115	Coolie	day	0.75	368.00	276.00
9999	Sundries	L.S.	5.46	1.73	9.45
	TOTAL				837.45
	Add 1 % Water charges				8.37
	TOTAL				845.82
	Add 15 % Contractor's profit and overheads				126.87
	Cost of one tree				972.69
	Say				972.70

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:				
0114	Beldar	day	7.00	368.00	2576.00
0115	Coolie	day	3.50	368.00	1288.00
9999	Sundries	L.S.	8.06	1.73	13.94
	TOTAL				3877.94
	Add 1 % Water charges				38.78
	TOTAL				3916.72
	Add 15 % Contractor's profit and overheads				587.51
	Cost of one tree				4504.23
	Say				4504.25

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	368.00	5152.00
0115	Coolie	day	7.00	368.00	2576.00
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				7774.55
	Add 1 % Water charges				77.75
	TOTAL				7852.30
	Add 15 % Contractor's profit and overheads				1177.85
	Cost of one tree				9030.15
	Say				9030.15

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

2.34.1 Chlorpyrifos/ Lindane emulsifiable concentrate of 20%

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7022	Details of cost of 100 litres Chlorpyrifos 20% E.C. / Lindane 20% E.C.	litre	100.00	160.00	16000.00
2342	Carriage of solvent/ Diesel.	quintal	1.00	10.38	10.38
	TOTAL				16010.38
	Add 1 % Water charges				160.10
	TOTAL				16170.48
	Add 15 % Contractor's profit and overheads				2425.57
	Cost for 100 litres				18596.05
	Cost for 1 litre				185.96
	Say				185.95

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 300 mm including excavation channel along the wall & rodding etc. complete:

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 metres MATERIAL Chlorpyrifos 1% concentration = 10.0x 0.30x7.5 = 22.5 litres Chlorpyrifos 20% required = 22.5/20 = 1.125 litres				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Chlorpyriphos 20% E.C. / Lindane 20% E.C. 1.125 litres (to be supplied free of cost) LABOUR Beldar (for excavating channel) rodding in chemical spraying the emulssion and refilling the same	day	0.33	368.00	121.44
9999	Sundries, rent of sprayer etc. TOTAL	L.S.	13.52	1.73	23.39 144.83
	Add 1 % Water charges TOTAL				1.45 146.28
	Add 15 % Contractor's profit and overheads				21.94
	Cost for 10 metres				168.22
	Cost for 1 metre				16.82
	Say				16.80

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 ₹
0114	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) LABOUR Beldar (for drilling holes and injecting chemical)	day	0.40	368.00	147.20
9999	Sundries and rent of a sprayer and mortar and making good the holes TOTAL	L.S.	35.88	1.73	62.07 209.27
	Add 1 % Water charges TOTAL				2.09 211.36
	Add 15 % Contractor's profit and overheads				31.70
	Cost for 10 metres				243.06
	Cost for 1 metre				24.30
	Say				24.30

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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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)				
0114	LABOUR Beldar (For making holes & spraying)	day	2.00	368.00	736.00
0124	Mason (brick layer) 2nd class	day	0.50	448.00	224.00
9999	Sundries, rent of sprayer and mortar	L.S.	35.88	1.73	62.07
	TOTAL				1022.07
	Add 1 % Water charges				10.22
	TOTAL				1032.29
	Add 15 % Contractor's profit and overheads				154.84
	Cost for 9 square metre				1187.13
	Cost per square metre				131.90
	Say				131.90

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 = $34 \times 1.0 = 34.00$ 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)				
0114	LABOUR Beldar	day	0.30	368.00	110.40
0124	Mason (brick layer) 2nd class	day	0.05	448.00	22.40
9999	Sundries, rent of pump etc.	L.S.	17.94	1.73	31.04
	TOTAL				163.84
	Add 1 % Water charges				1.64
	TOTAL				165.48
	Add 15 % Contractor's profit and overheads				24.82
	Cost for 10 metres				190.30
	Cost for 1 metre				19.03
	Say				19.05

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 = $68 \times 0.5 = 34.00$ 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	45.00	1453.50
	LABOUR				
0112	Carpenter 2nd class (For making holes and plugging the same)	day	0.20	448.00	89.60
0114	Beldar for injecting chemical	day	0.20	368.00	73.60
9999	Sundries	L.S.	17.94	1.73	31.04
	TOTAL				1647.74
	Add 1 % Water charges				16.48
	TOTAL				1664.22
	Add 15 % Contractor's profit and overheads				249.63
	Cost for 10 metres				1913.85
	Cost for 1 metre				191.38
	Say				191.40

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	407.00	32.56
0115	Beldar/ Coolie	day	0.80	368.00	294.40
	TOTAL				326.96
	Add 1 % Water charges				3.27
	TOTAL				330.23
	Add 15 % Contractor's profit and overheads				49.53
	Cost of 10 cum.				379.76
	Cost of 1 cum.				37.97
	Say				37.95

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 ₹
1980	Details of cost for 1 cum. Ref :- Based on DAR Item No : 1.1.1 A) ii) Labour and carriage Flyash (Available free of cost at thermal power plant at Baderpur power plant. Lead = 35 km)	cum	1.00	8.00	8.00
2262	Carriage of Flyash (1st Lead 0 to 5km)	cum	1.00	103.77	103.77
	TOTAL				111.77
	Add 1 % Water charges				1.12
	TOTAL				112.89
	Add 15 % Contractor's profit and overheads				16.93
	Total				129.82
	Cost of 1 cum.				129.82
	Say				129.80

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	407.00	81.40
0115	Coolie	day	2.50	368.00	920.00
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				1082.80
	Add 1 % Water charges				10.83
	TOTAL				1093.63
	Add 15 % Contractor's profit and overheads				164.04
	Cost of 10 cum.				1257.67
	Cost of 1 cum.				125.76
	Say				125.75

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 1 cum MATERIAL (0.7175 cum. of cement = 1.02 tonne) Cement required for cement mortar is 71.25%				
0367	Portland Cement	tonne	1.02	5700.00	5814.00
2209	Carriage of Cement	tonne	1.02	92.24	94.08
0983	Fine Sand (Zone IV)	cum	0.7125	760.00	541.50
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.7125	103.77	73.94
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.90	1.73	46.54
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				6897.94
	Say				6897.95

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	5700.00	3876.00
2209	Carriage of Cement	tonne	0.68	92.24	62.72
0983	Fine sand (zone IV)	cum	0.95	760.00	722.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.95	103.77	98.58
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				5133.73
	Say				5133.75

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	5700.00	2907.00
2209	Carriage of Cement	tonne	0.51	92.24	47.04
0983	Fine sand (zone IV)	cum	1.07	760.00	813.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				4252.70
	Say				4252.70

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	5700.00	2166.00
2209	Carriage of Cement	tonne	0.38	92.24	35.05
0983	Fine sand (zone IV)	cum	1.07	760.00	813.20
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				3499.71
	Say				3499.70

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	5700.00	1767.00
2209	Carriage of Cement	tonne	0.31	92.24	28.59
0983	Fine sand (zone IV)	cum	1.07	760.00	813.20
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				3094.25
	Say				3094.25

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	5700.00	1425.00
2209	Carriage of Cement	tonne	0.25	92.24	23.06
0983	Fine sand (zone IV)	cum	1.07	760.00	813.20
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	1.07	103.77	111.03
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				2746.72
	Say				2746.70

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	5700.00	3876.00
2209	Carriage of Cement	tonne	0.68	92.24	62.72
0982	Coarse sand (zone III)	cum	0.95	1200.00	1140.00
2203	Carriage of Coarse sand	cum	0.95	103.77	98.58
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				5551.73
	Say				5551.75

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	5700.00	2907.00
2209	Carriage of Cement	tonne	0.51	92.24	47.04
0982	Coarse sand (zone III)	cum	1.07	1200.00	1284.00
2203	Carriage of Coarse sand	cum	1.07	103.77	111.03

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				4723.50
	Say				4723.50

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	5700.00	2166.00
2209	Carriage of Cement	tonne	0.38	92.24	35.05
0982	Coarse sand (zone III)	cum	1.07	1200.00	1284.00
2203	Carriage of Coarse sand	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				3970.51
	Say				3970.50

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	5700.00	1767.00
2209	Carriage of Cement	tonne	0.31	92.24	28.59
0982	Coarse sand (zone III)	cum	1.07	1200.00	1284.00
2203	Carriage of Coarse sand	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				3565.05
	Say				3565.05

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	5700.00	1425.00
2209	Carriage of Cement	tonne	0.25	92.24	23.06
0982	Coarse sand (zone III)	cum	1.07	1200.00	1284.00
2203	Carriage of Coarse sand	cum	1.07	103.77	111.03
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				3217.52
	Say				3217.50

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	5700.00	3876.00
2209	Carriage of Cement	tonne	0.68	92.24	62.72
1159	Stone dust	cum	0.95	865.00	821.75
2267	Carriage of Stone dust	cum	0.95	103.77	98.58
	LABOUR For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				5233.48
	Say				5233.50

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	5700.00	3876.00
2209	Carriage of Cement	tonne	0.68	92.24	62.72
0784	Marble dust/ powder	cum	0.95	1000.00	950.00
2268	Carriage of Marble dust and marble chips	cum	0.95	103.77	98.58

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
	For measuring, carrying, depositing and mixing				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				5361.73
	Say				5361.75

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	5700.00	1767.00
2209	Carriage of Cement	tonne	0.31	92.24	28.59
0784	Marble dust/ powder	cum	1.07	1000.00	1070.00
2268	Carriage of Marble dust and marble chips	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				3351.05
	Say				3351.05

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	11200.00	7616.00
2209	Carriage of Cement	tonne	0.68	92.24	62.72
0784	Marble dust/ powder	cum	0.95	1000.00	950.00
2268	Carriage of Marble dust and marble chips	cum	0.95	103.77	98.58
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				9101.73
	Say				9101.75

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	11200.00	5712.00
2209	Carriage of Cement	tonne	0.51	92.24	47.04
0784	Marble dust/ powder	cum	1.07	1000.00	1070.00
2268	Carriage of Marble dust and marble chips	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				7314.50
	Say				7314.50

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	11200.00	3472.00
2209	Carriage of Cement	tonne	0.31	92.24	28.59
0784	Marble dust/ powder	cum	1.07	1000.00	1070.00
2268	Carriage of Marble dust and marble chips	cum	1.07	103.77	111.03
	LABOUR				
	For measuring, carrying, depositing and mixing-				
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.07	407.00	28.49
9999	Hire and running charges of mechanical mixer	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	13.52	1.73	23.39
	Cost of 1.00 cum				5056.05
	Say				5056.05

3.18 Mud mortar

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for one cum				
	MATERIAL				
0811	Mud (dry)	cum	1.08	150.00	162.00
	LABOUR				
0114	Beldar	day	0.63	368.00	231.84
0101	Bhisti	day	0.315	407.00	128.21
9999	Sundries	L.S.	6.45	1.73	11.16
	TOTAL				533.21
	Cost of one cum				533.21
	Say				533.20

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 1 cum				
	MATERIAL				
	(0.475 cum of lime putty) = 3.01 q of				
	unslaked lime				
1182	Surkhi	cum	0.7125	700.00	498.75
0773	Unslaked lime	quintal	3.01	270.00	812.70
0784	Marble dust/ powder	cum	0.24	1000.00	240.00
2268	Marble dust and/or marble chips	cum	0.24	103.77	24.90
2208	Carriage of Lime	cum	3.01	103.77	312.34
	LABOUR				
	For slaking lime, making lime putty, grinding				
	and carrying				
0114	Beldar	day	0.90	368.00	331.20
0101	Bhisti	day	0.45	407.00	183.15
9999	As cost for running and upkeep of mortar mill	L.S.	10.35	1.73	17.91
9999	Sundries	L.S.	5.20	1.73	9.00
	Cost of 1.00 cum				2429.95
	Say				2429.95

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) : 3 graded stone aggregate 20 mm nominal size)

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	1300.00	741.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1300.00	364.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1200.00	510.00
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement (0.2833 cum)	tonne	0.40	5700.00	2280.00
2209	Carriage of Cement	tonne	0.40	92.24	36.90
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	1.73	24.74
	TOTAL				5100.88
	Add 1 % Water charges				51.01
	TOTAL				5151.89
	Add 15 % Contractor's profit and overheads				772.78
	Cost of 1 cum.				5924.67
	Say				5924.65

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

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	1300.00	871.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1300.00	286.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	103.77	92.35
0982	Coarse sand (zone III)	cum	0.445	1200.00	534.00
2203	Carriage of Coarse sand	cum	0.445	103.77	46.18
0367	Portland Cement (0.2225 cum)	tonne	0.32	5700.00	1824.00
2209	Carriage of Cement	tonne	0.32	92.24	29.52
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	1.73	24.74
	TOTAL				4719.73
	Add 1 % Water charges				47.20
	TOTAL				4766.93
	Add 15 % Contractor's profit and overheads				715.04
	Cost of 1 cum.				5481.97
	Say				5481.95

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. MATERIAL				
0293	Stone Aggregate (Single size) : 40 mm nominal size	cum	0.52	1250.00	650.00
	0.56 - (7.5% for voids i.e.) 0.04 = 0.52 cum				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.22	1300.00	286.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.11	1300.00	143.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.52	112.79	58.65
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.33	103.77	34.24
0982	Coarse sand (zone III)	cum	0.445	1200.00	534.00
2203	Carriage of Coarse sand	cum	0.445	103.77	46.18
0367	Portland Cement (0.2225 cum)	tonne	0.32	5700.00	1824.00
2209	Carriage of Cement	tonne	0.32	92.24	29.52
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				4640.92
	Add 1 % Water charges				46.41
	TOTAL				4687.33
	Add 15 % Contractor's profit and overheads				703.10
	Cost of 1 cum.				5390.43
	Say				5390.45

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

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	1300.00	910.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24	1300.00	312.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.94	103.77	97.54
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.15674 cum)	tonne	0.22	5700.00	1254.00
2209	Carriage of Cement	tonne	0.22	92.24	20.29
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				4241.93
	Add 1 % Water charges				42.42
	TOTAL				4284.35
	Add 15 % Contractor's profit and overheads				642.65
	Cost of 1 cum.				4927.00
	Say				4927.00

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

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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.15674 cum)	tonne	0.22	5700.00	1254.00
2209	Carriage of Cement	tonne	0.22	92.24	20.29

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				4145.10
	Add 1 % Water charges				41.45
	TOTAL				4186.55
	Add 15 % Contractor's profit and overheads				627.98
	Cost of 1 cum.				4814.53
	Say				4814.55

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

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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.1175 cum)	tonne	0.17	5700.00	969.00
2209	Carriage of Cement	tonne	0.17	92.24	15.68
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				3855.49
	Add 1 % Water charges				38.55
	TOTAL				3894.04
	Add 15 % Contractor's profit and overheads				584.11
	Cost of 1 cum.				4478.15
	Say				4478.15

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

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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.2225 cum)	tonne	0.13	5700.00	741.00
2209	Carriage of Cement	tonne	0.13	92.24	11.99
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				3623.80
	Add 1 % Water charges				36.24
	TOTAL				3660.04
	Add 15 % Contractor's profit and overheads				549.01
	Cost of 1 cum.				4209.05
	Say				4209.05

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

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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0983	Fine sand (zone IV)	cum	0.47	760.00	357.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.47	103.77	48.77
0367	Portland Cement (0.2225 cum)	tonne	0.13	5700.00	741.00
2209	Carriage of Cement LABOUR	tonne	0.13	92.24	11.99
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	8.97	1.73	15.52
	TOTAL				3409.13
	Add 1 % Water charges				34.09
	TOTAL				3443.22
	Add 15 % Contractor's profit and overheads				516.48
	Cost of 1 cum.				3959.70
	Say				3959.70

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

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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1200.00	444.00
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	8.00	1.68
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.17	5700.00	969.00
2209	Carriage of Cement LABOUR	tonne	0.17	92.24	15.68
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	14.30	1.73	24.74
	TOTAL				3749.93
	Add 1 % Water charges				37.50
	TOTAL				3787.43
	Add 15 % Contractor's profit and overheads				568.11
	Cost of one cum.				4355.54
	Say				4355.55

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

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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.34	1200.00	408.00
2203	Carriage of Coarse sand	cum	0.34	103.77	35.28
1980	Flyash	cum	0.21	8.00	1.68
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.13	5700.00	741.00
2209	Carriage of Cement	tonne	0.13	92.24	11.99
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	1.63	368.00	599.84
0101	Bhisti	day	0.70	407.00	284.90
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	1.73	24.74
	TOTAL				3479.13
	Add 1 % Water charges				34.79
	TOTAL				3513.92
	Add 15 % Contractor's profit and overheads				527.09
	Cost of one cum.				4041.01
	Say				4041.00

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) : 3 graded stone aggregate 20 mm nominal size).

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	1300.00	741.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1300.00	364.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1200.00	510.00
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement (0.2833 cum)	tonne	0.40	5700.00	2280.00
2209	Carriage of Cement	tonne	0.40	92.24	36.90
	LABOUR				
0114	Beldar	day	0.90	368.00	331.20
0115	Coolie	day	0.78	368.00	287.04
0101	Bhisti	day	0.70	407.00	284.90
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0124	Mason (brick layer) 2nd class	day	0.06	448.00	26.88
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	1.73	197.91
9999	Sundries	L.S.	14.30	1.73	24.74
0115	Coolie (Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)	day	1.88	368.00	691.84
	TOTAL				6018.43
	Add 1 % Water charges				60.18
	TOTAL				6078.61
	Add 15 % Contractor's profit and overheads				911.79
	Cost of 1 cum.				6990.40
	Say				6990.40

4.2.3 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)

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	1300.00	871.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1300.00	286.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	103.77	92.35

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0982	Coarse sand (zone III)	cum	0.445	1200.00	534.00
2203	Carriage of Coarse sand	cum	0.445	103.77	46.18
0367	Portland Cement (0.2833 cum)	tonne	0.32	5700.00	1824.00
2209	Carriage of Cement LABOUR	tonne	0.32	92.24	29.52
0114	Beldar	day	0.90	368.00	331.20
0115	Coolie	day	0.78	368.00	287.04
0101	Bhisti	day	0.70	407.00	284.90
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0124	Mason (brick layer) 2nd class	day	0.06	448.00	26.88
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	1.73	197.91
9999	Sundries	L.S.	14.30	1.73	24.74
0115	Coolie (Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)	day	1.88	368.00	691.84
	TOTAL				5637.28
	Add 1 % Water charges				56.37
	TOTAL				5693.65
	Add 15 % Contractor's profit and overheads				854.05
	Cost of 1 cum.				6547.70
	Say				6547.70

4.2.5 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 1 cum. MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.70	1300.00	910.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.24	1300.00	312.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.94	103.77	97.54
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement (0.15674 cum)	tonne	0.22	5700.00	1254.00
2209	Carriage of Cement LABOUR	tonne	0.22	92.24	20.29
0114	Beldar	day	0.90	368.00	331.20
0115	Coolie	day	0.78	368.00	287.04
0101	Bhisti	day	0.70	407.00	284.90
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0124	Mason (brick layer) 2nd class	day	0.06	448.00	26.88
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding (17.60x2.5 avg.)	L.S.	114.40	1.73	197.91
9999	Sundries	L.S.	13.52	1.73	23.39

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie (Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)	day	1.88	368.00	691.84
	TOTAL				5159.48
	Add 1 % Water charges				51.59
	TOTAL				5211.07
	Add 15 % Contractor's profit and overheads				781.66
	Cost of 1 cum.				5992.73
	Say				5992.75

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

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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.13	5700.00	741.00
2209	Carriage of Cement	tonne	0.13	92.24	11.99
	LABOUR				
0114	Beldar	day	0.90	368.00	331.20
0115	Coolie	day	0.78	368.00	287.04
0101	Bhisti	day	0.70	407.00	284.90
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Scaffolding	L.S.	114.40	1.73	197.91
9999	Sundries	L.S.	14.30	1.73	24.74
0115	Coolie (Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)	day	1.88	368.00	691.84
	TOTAL				4535.30
	Add 1 % Water charges				45.35
	TOTAL				4580.65
	Add 15 % Contractor's profit and overheads				687.10
	Cost of 1 cum.				5267.75
	Say				5267.75

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 2.7mx2.7mx1.00m Contact area = 10.8 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 = $16 \times 0.85 / 40 = 0.34$	each	0.34	900.00	306.00
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	250.00	21.25
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	950.00	161.50
7328	Double clip (bridge clip) Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	80.00	27.20
7329	Single clip Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	62.00	10.54
7330	M.S. tube 40 mm dia Qty taken for cost of using once = $10.8 \times 0.85 / 40 = 0.2295$	metre	0.2295	225.00	51.64
9999	Assembly nuts & bolts	L.S.	22.10	1.73	38.23
9977	Carriage	L.S.	78.00	1.73	134.94
	LABOUR				
0116	Fitter (grade 1)	day	0.75	487.00	365.25
0114	Beldar	day	1.50	368.00	552.00
9999	Shuttering oil	L.S.	52.00	1.73	89.96
9999	Sundries	L.S.	26.00	1.73	44.98
	TOTAL				1803.49
	Add 1 % Water charges				18.03
	TOTAL				1821.52
	Add 15 % Contractor's profit and overheads				273.23
	Cost for 10.8 sqm.				2094.75
	Cost per sqm.				193.95
	Say				193.95

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 7.9m long and 1.00m high wall Area of contact $2 \times 7.9 \times 1.0 = 15.8$ sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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 = $24 \times 0.85 / 40 = 0.51$	each	0.51	900.00	459.00
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	950.00	161.50
7328	Double clip (bridge clip) Qty taken for cost of using once = $24 \times 0.85 / 40 = 0.51$	each	0.51	80.00	40.80
7329	Single clip Qty taken for cost of using once = $12 \times 0.85 / 40 = 0.255$	each	0.255	62.00	15.81
7330	M.S. tube 40 mm dia Qty taken for cost of using once = $32 \times 0.85 / 40 = 0.68$	metre	0.68	225.00	153.00
9999	Nut & Bolts	L.S.	27.62	1.73	47.78
9977	Carriage	L.S.	78.00	1.73	134.94
	LABOUR				
0116	Fitter (grade 1)	day	3.50	487.00	1704.50
0114	Beldar	day	6.00	368.00	2208.00
9999	Shuttering oil	L.S.	78.00	1.73	134.94
9999	Sundries	L.S.	52.00	1.73	89.96
	TOTAL				5150.23
	Add 1 % Water charges				51.50
	TOTAL				5201.73
	Add 15 % Contractor's profit and overheads				780.26
	Cost for 15.8 sqm.				5981.99
	Cost per sqm.				378.60
	Say				378.60

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for Size of column 450x450mm and 2.5m high Area of contact = $4 \times 0.45 \times 2.5 = 4.5$ 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 Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	900.00	153.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7332	Corner angle 45x45x5 m 2.50 m long Qty taken for cost of using once = 4x0.85/40 = 0.085	each	0.085	265.00	22.53
7333	Column clamp 450x1070 m Qty taken for cost of using once = 5x0.85/40 = 0.1063	each	0.1063	1010.00	107.36
7334	Prop 2 m (2-3.5m) Qty taken for cost of using once = 4x0.85/40 = 0.085	each	0.085	665.00	56.53
9999	Assembly nut & bolt	L.S.	27.62	1.73	47.78
9977	CARRIAGE LABOUR	L.S.	52.00	1.73	89.96
0116	Fitter (grade 1)	day	1.00	487.00	487.00
0114	Beldar	day	2.00	368.00	736.00
9999	Shuttering oil	L.S.	39.00	1.73	67.47
9977	Carriage	L.S.	26.00	1.73	44.98
	TOTAL				1812.61
	Add 1 % Water charges				18.13
	TOTAL				1830.74
	Add 15 % Contractor's profit and overheads				274.61
	Cost for 4.5 sqm.				2105.35
	Cost per sqm.				467.85
	Say				467.85

4.4 Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering and finishing.

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for kerb : 100m long 20cm deep and 30cm wide 100m x 0.30m x 0.20m = 6.00 cum. Cement concrete 1:2:4 Rate as per Item No.4.1.2 of SH:CONCRETE WORK Cost for 6 cum. Cost per cum. Say	cum	6.00	5924.65	35547.90 35547.90 5924.65 5924.65

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) : 3 graded stone aggregate 20mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Plain window sill 15 nos. 15x1m x 0.20m x 0.15m = 0.45cum.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	MATERIAL Cement concrete 1:1½:3 Rate as per Item Number 4.1.2 of				
0115	SH: Concrete work Coolie (Extra labour for lifting = 0.45 x 0.45 x 2.5 = 0.51) Centering and shuttering (1) Mould (i) Plate 3mm thick (2x1x0.15)+(2x0.15x0.20) = 0.36 sqm. @ 23.55kg/m ² = 8.48 kg. (ii) Flat 10x5mm 4x1.0 = 4.0m 8x0.2 = 1.6m 4x0.15 = 0.60m Handle 2x0.25 = 0.5m 6.70m @ 0.4kg/m = 2.68 kg. Total = 11.16kg. or 0.112 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.112x 0.75/40 = 0.0021 qtl = 0.21 kg	cum day	0.45 0.51	5924.65 368.00	2666.09 A 187.68
10.1	Rate as per item no.10.1 S.H. steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm	kg	0.21	58.45	12.27 A
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 2.00x2.00x0.025 = 0.10cum Qty taken for cost of using once = 0.100/40 = 0.0025 cum	sqm	0.10	638.00	63.80 A
11.7	Rate as per item no. 11.7 of S.H.: Flooring work	cum	0.0025	5804.35	14.51 A
9999	Mortar and labour for hoisting and finishing TOTAL	L.S.	36.30	1.73	62.80 3007.15
	Add 1 % Water charges on all except (A) i.e. on (3007.15 - 2756.67) = 250.48 TOTAL				2.50 3009.65
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (3009.65 - 2756.67) = 252.98 Cost for 0.45 cum. Cost per cum. Say				37.95 3047.60 6772.44 6772.45

- 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) : 3 graded stone aggregate 20 mm nominal size).**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 25 no kerbs, 40x30x20cm =25 no x 0.40m x 0.30m x 0.20m = 0.6 cum MATERIAL Cement concrete 1:1.5:3 Rate as per Item No.4.1.2 of SH:CONCRETE WORK Centering and shuttering (1) Mould (i) Plate 3mm thick 0.28 sqm. @ 23.55kg/m ² = 6.59 kg. (ii) Flat 10x5mm Handle 2x0.25 x0.4 = @ 0.4kg/m = 0.20 kg. = 6.79kg. or 0.068 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.068x0.75/40 = 0.001275 qtl = 0.1275 kg Rate as per item no.10.1 S.H. steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm Rate as per item no. 11.1.2 S.H.: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum Rate as per Item Number 11.7 of SH: Flooring	cum	0.60	5924.65	3554.79 A
10.1	(2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm Rate as per item no. 11.1.2 S.H.: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum Rate as per Item Number 11.7 of SH: Flooring	kg	0.1275	58.45	7.45 A
11.1.2	(ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum Rate as per Item Number 11.7 of SH: Flooring	sqm	0.10	638.00	63.80 A
11.7	SH: Flooring	cum	0.0025	5804.35	14.51 A
9999	Mortar and labour for finishing	L.S.	30.54	1.73	52.83
	TOTAL				3693.38
	Add 1 % Water charges on all except (A) i.e. on (3693.38 - 3640.55) = 52.83				0.53
	TOTAL				3693.91
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (3693.91 - 3640.55) = 53.36				8.00
	Cost for 0.6 cum.				3701.91
	Cost per cum.				6169.85
	Say				6169.85

- 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) : 3 graded stone aggregate 20 mm nominal size) .**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	<p>Details of cost for 25 no blocks, 40x20x30cm =25 no x 0.40m x 0.30m x 0.20m = 0.6 cum MATERIAL Cement concrete 1:1.5:3 Rate as per Item No.4.1.2 of SH:CONCRETE WORK Centering and shuttering (1) Mould (i) Plate 3mm thick 0.28 sqm. @ 23.55kg/m² = 6.59 kg. (ii) Flat 10x5mm Handle 2x0.25 x0.4 = @ 0.4kg/m = 0.20 kg. = 6.79kg. or 0.068 qtl. Assuming shuttering will become unserviceable after use of 40 times and taking 75% credit. Qty taken for cost of using once = 0.068x 0.75/80 = 0.001275 qtl = 0.1275 kg Rate as per item no.10.1 S.H. steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm Rate as per item no. 11.1.2 S.H.: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum Rate as per Item Number 11.7 of SH:Flooring Mortar 1:3 for Fixing 0.202/100x25=0.051 Rate as per Item No 3.8 Extra for Labour for lifting (27/100x25=0.675 or 0.68)</p>	cum	0.60	5924.65	3554.79 'A'
10.1	<p>Rate as per item no.10.1 S.H. steel work (2) Moulding Platform Assuming platform will become unserviceable after use of 40 times. (i) Brick on edge flooring cement mortar 1:6 1x2.0x2.0m = 4 sqm. Qty taken for cost of using once = 4/40 = 0.1 sqm Rate as per item no. 11.1.2 S.H.: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum Rate as per Item Number 11.7 of SH:Flooring Mortar 1:3 for Fixing 0.202/100x25=0.051 Rate as per Item No 3.8 Extra for Labour for lifting (27/100x25=0.675 or 0.68)</p>	kg	0.1275	58.45	7.45 'A'
11.1.2	<p>Rate as per item no. 11.1.2 S.H.: Flooring work. (ii) 25mm thick cement concrete 1:2:4 in pavement 2.00x2.00x0.025 = 0.100 Qty taken for cost of using once = 0.100/40 = 0.0025 cum Rate as per Item Number 11.7 of SH:Flooring Mortar 1:3 for Fixing 0.202/100x25=0.051 Rate as per Item No 3.8 Extra for Labour for lifting (27/100x25=0.675 or 0.68)</p>	sqm	0.10	638.00	63.80 'A'
11.7	<p>Rate as per Item Number 11.7 of SH:Flooring Mortar 1:3 for Fixing 0.202/100x25=0.051 Rate as per Item No 3.8 Extra for Labour for lifting (27/100x25=0.675 or 0.68)</p>	cum	0.0025	5804.35	14.51 'A'
3.8	<p>Rate as per Item No 3.8 Extra for Labour for lifting (27/100x25=0.675 or 0.68)</p>	cum	0.051	4723.50	240.90 'A'
0115	Coolie	day	0.68	368.00	250.24
0123	Labour for hoisting and setting in position Mason (brick layer) 1st class	day	0.60	487.00	292.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	3.60	368.00	1324.80
	TOTAL				5748.69
	Add 1 % Water charges on all except (A) i.e. on (5748.69 - 3640.55) = 2108.14				21.08
	TOTAL				5769.77
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (5769.77 - 3640.55) = 2129.22				319.38
	Cost for 0.6 cum.				6089.15
	Cost per cum.				10148.58
	Say				10148.60

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): 3 graded stone aggregate 20 mm nominal size) .

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 = 1mx0.5mx0.1m = 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	5924.65	136.27 '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	1.73	46.55
	Cement mortar 1:2 for fixing				
3.7	Rate as per Item No.3.7 of SH:MORTARS LABOUR	cum	0.002	5551.75	11.10 'A'
	Extra Labour for lifting material upto floor V level				
0115	Coolie	day	0.056	368.00	20.61
	Labour for hoisting and setting in position				
0123	Mason (brick layer) 1st class	day	0.05	487.00	24.35
0114	Beldar	day	0.30	368.00	110.40
	TOTAL				349.28
	Add 1 % Water charges on all except (A) i.e. on (349.28 - 136.27) = 213.01				2.13
	TOTAL				351.41
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (351.41 - 136.27) = 215.14				32.27
	Cost for 0.05 cum.				383.68
	Cost per cum.				7673.60
	Say				7673.60

- 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) : 6 graded stone aggregate 20 mm nominal size), including necessary excavation of size 250x250x450mm deep for the same in bitumen/ concrete pavement at specified spacing.**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.1.3	Details of Cost for one bollard MATERIAL Cement concrete 1:2:4 $3.14/4 \times (0.125) \times (0.125) \times 0.60 = 0.007$ cum Rate as per Item no. 5.1.3 SH : RCC	cum	0.007	5772.65	40.41 'A'
5.9.1	Centering and shuttering $3.14 \times (0.125) \times 0.60 = 0.24$ sqm Rate as per Item no. 5.9.1 SH : RCC	sqm	0.24	193.95	46.55 'A'
10.1	M.S. pipes (medium class) 50 mm dia sleeve = $1 \times 0.30 \times 5.10 = 1.53$ kg 40 mm dia pipe = $1 \times 0.45 \times 3.61 = 1.62$ kg M.S. plate 3mm thick = $(0.15 \times 0.15) \times 23.55 = 0.53$ kg Total = 3.68 kg Rate as per Item no. 10.1 SH : Steel work	kg	3.68	58.45	215.10 'A'
2.8.1	Excavation $0.25 \times 0.25 \times 0.45 = 0.03$ cum Rate as per Item no. 2.8.1 SH : Earth work	cum	0.03	166.40	4.99 'A'
4.1.5	Cement concrete 1:3:6 Rate as per Item no. 4.1.5 SH : Cement concrete	cum	0.03	4927.00	147.81 'A'
5.23	6 mm rendering (1:3) $(0.24 + 0.01) = 0.25$ sqm Rate as per Item no. 5.23 SH : RCC	sqm	0.25	143.80	35.95 'A'
9988	Carriage and fixing charges	L.S.	13.00	1.73	22.49
	TOTAL				513.30
	Add 1 % Water charges on all except (A) i.e. on $(513.30 - 490.81) = 22.49$				0.22
	TOTAL				513.52
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on $(513.52 - 490.81) = 22.71$				3.41
	Cost for one bollard				516.93
	Say				516.95

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) $10 \times 0.040 = 0.40$ cum				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3	Rate as per item no 4.1.3 of SH: Concrete work	cum	0.40	5481.95	2192.78 'A'
0295	Add deduct for difference of cost between 20mm size and 12.5mm size Stone Aggregate (Single size) : 20 mm nominal size	cum	-0.67	1300.00	-871.00
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.67	1300.00	871.00
	Add for delay				
0123	Mason (brick layer) 1st class	day	0.40	487.00	194.80
0124	Mason (brick layer) 2nd class	day	0.40	448.00	179.20
9999	Sundries (Form work etc.)	L.S.	1.95	1.73	3.37
	TOTAL				2570.15
	Add 1 % Water charges on all except (A) i.e. on (2570.15 - 2192.78) = 377.37				3.77
	TOTAL				2573.92
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2573.92 - 2192.78) = 381.14				57.17
	Cost for 10 sqm				2631.09
	Cost for 1 sqm				263.10
	Say				263.10

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.3	Details of cost for 10 sqm MATERIAL Cement concrete 1:2:4 = 10x0.05 = 0.50 cum Rate as per item no 4.1.3 of SH:Concrete work	cum	0.50	5481.95	2740.98 'A'
	Add for delay :				
0123	Mason (brick layer) 1st class	day	0.40	487.00	194.80
0124	Mason (brick layer) 2nd class	day	0.40	448.00	179.20
9999	Sundries (Form work etc.)	L.S.	13.52	1.73	23.39
	TOTAL				3138.37
	Add 1 % Water charges on all except (A) i.e. on (3138.37 - 2740.98) = 397.39				3.97
	TOTAL				3142.34
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (3142.34 - 2740.98) = 401.36				60.20
	Cost for 10 sqm.				3202.54
	Cost of 1 sqm.				320.25
	Say				320.25

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				
1213	Approved waterproofing materials according to the recommended proportions				
	Water proofing materials	kilogram	1.00	35.00	35.00
9988	Carriage of water proofing material and labour for mixing etc.	L.S.	3.64	1.73	6.30
	TOTAL				41.30
	Add 1 % Water charges				0.41
	TOTAL				41.71
	Add 15 % Contractor's profit and overheads				6.26
	Cost per bag of cement of 50kg.				47.97
	Say				47.95

4.13 Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg 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	29600.00	503.20
0771	Kerosene oil	litre	1.23	45.00	55.35
	Fuel for heating				
0370	Coal (steam)	quintal	0.035	400.00	14.00
2211	Carriage of Tar bitumen	tonne	0.017	103.77	1.76
	LABOUR				
	Cleaning surface and applying kerosene oil				
0114	Beldar	day	0.12	368.00	44.16
	Heating the material				
0115	Coolie	day	0.07	368.00	25.76
	Spreading hot tar over damp proof course				
0131	Painter	day	0.20	448.00	89.60
9988	Sundries (Carriage of kerosene, steam coal, brushes, T&P etc.)	L.S.	33.15	1.73	57.35
	TOTAL				791.18
	Add 1 % Water charges				7.91
	TOTAL				799.09
	Add 15 % Contractor's profit and overheads				119.86
	Cost for 10 sqm.				918.95
	Cost of 1 sqm.				91.89
	Say				91.90

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Details of cost per cum. Extra labour element required for lifting of materials (0.75x2.00 = 1.50) Coolie TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost for 1 cum. Say	day	1.50	368.00	552.00 552.00 5.52 557.52 83.63 641.15 641.15

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 ₹
0011	Details of cost for 14 cum per 0.3m depth Quantity of concrete = 14 cum. pumping hours = 3 hrs. or 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour.	day	0.375	650.00	243.75
0114	Beldar for cleaning slush TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost of 14cum. per 0.30 m depth Cost of cum. per m depth Say	day	4.00	368.00	1472.00 1715.75 17.16 1732.91 259.94 1992.85 474.48 474.50

4.16 Extra for laying concrete in or under foul positions.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 1 cum. Extra labour due to slow progress- Mason (brick layer) 1st class	day	0.02	487.00	9.74
0124	Mason (brick layer) 2nd class	day	0.02	448.00	8.96
0114	Beldar	day	0.25	368.00	92.00
0115	Coolie TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost for 1 cum. Say	day	0.15	368.00	55.20 165.90 1.66 167.56 25.13 192.69 192.70

4.17 Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 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	750.00	562.50
2260	Carriage of Brick aggregate	cum	0.75	112.79	84.59
0983	Fine sand (zone IV)	cum	0.06	760.00	45.60
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.06	103.77	6.23
	Dressing the ground including cutting and filling upto 15cm				
0114	Beldar	day	0.16	368.00	58.88
0115	Coolie	day	0.11	368.00	40.48
	MATERIAL				
	Cement concrete 1:3:6 Qty. of cement concrete 1:3:6 on 10 sqm. area = 0.5cum.				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.35	1300.00	455.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.12	1300.00	156.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.47	103.77	48.77
0982	Coarse sand (zone III)	cum	0.23	1200.00	276.00
2203	Carriage of Coarse sand	cum	0.23	103.77	23.87
0367	Portland Cement	tonne	0.11	5700.00	627.00
2209	Carriage of Cement	tonne	0.11	92.24	10.15
	Labour (for C.C 1:3:6)				
0114	Beldar	day	1.00	368.00	368.00
0123	Mason (brick layer) 1st class	day	0.05	487.00	24.35
0101	Bhisti	day	0.33	407.00	134.31
9999	Hire and runing charges of mechanical mixer	L.S.	13.39	1.73	23.16
9999	Sundries	L.S.	6.76	1.73	11.69
	LABOUR				
0155	Mason (average)	day	0.27	467.00	126.09
0114	Beldar	day	1.08	368.00	397.44
0115	Coolie	day	1.08	368.00	397.44
	TOTAL				3877.55
	Add 1 % Water charges				38.78
	TOTAL				3916.33
	Add 15 % Contractor's profit and overheads				587.45
	Cost of 10.00 sqm				4503.78
	Cost of 1.00 sqm				450.37
	Say				450.35

- 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 ₹
8732	Detail of cost for per bag of 50 kg of cement used in concrete MATERIAL Synthetic polyester triangular fibre of length 12mm, effective dia 10-40 microns and specific gravity of 1.34 to 1.40 TOTAL	kg	0.125	365.00	45.63
	Add 1 % Water charges				0.46
	TOTAL				46.09
	Add 15 % Contractor's profit and overheads				6.91
	Cost per bag of 50 kg of cement				53.00
	Say				53.00

- 4.19 Providing and laying in position ready mixed plain cement concrete, using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.**

Note : (1) Excess/less cement used than specified in this item is payable/ recoverable separately.

(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC.

- 4.19.1 All works upto plinth level:**

- 4.19.1.1 M-15 grade plain cement concrete (cement content considered @ 240 kg/cum)**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size (0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0982	Coarse sand (zone III)	cum	0.37	1200.00	444.00
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	8.00	1.68
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.24	5700.00	1368.00
2209	Carriage of Cement	tonne	0.24	92.24	22.14
7318	Plasticizer / super plasticizer	kilogram	1.20	38.00	45.60
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	Day	0.17	467.00	79.39
0114	Beldar	Day	2.00	368.00	736.00
0101	Bhisti	Day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	Day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	Total				5222.99
	Add 1 % Water charges				52.23
	Total				5275.22
	Add 15 % Contractor's profit and overheads				791.28
	Cost per 1.00 cum				6066.50
	Say				6066.50

4.19.1.2 M-10 grade plain cement concrete (cement content considered @ 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	cum	0.65	1250.00	812.50
	(0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1200.00	444.00
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	8.00	1.68
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.22	5700.00	1254.00
2209	Carriage of Cement	tonne	0.22	92.24	20.29
7318	Plasticizer / super plasticizer	kilogram	1.10	38.00	41.80
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	Total				5103.34
	Add 1 % Water charges				51.03
	Total				5154.37
	Add 15 % Contractor's profit and overheads				773.16
	Cost per 1.00 cum				5927.53
	Say				5927.55

4.19.2 All works above plinth and upto floor V level:

4.19.2.1 M-15 grade plain cement concrete (cement content considered @ 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	cum	0.65	1250.00	812.50
	(0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1200.00	444.00
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	8.00	1.68
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.24	5700.00	1368.00
2209	Carriage of Cement	tonne	0.24	92.24	22.14
7318	Plasticizer / super plasticizer	kilogram	1.20	38.00	45.60
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	Day	0.17	467.00	79.39
0114	Beldar	Day	2.00	368.00	736.00
0101	Bhisti	Day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	Day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	(Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.88	368.00	691.84
	Total				5714.83
	Add 1 % Water charges				57.15
	Total				5771.98
	Add 15 % Contractor's profit and overheads				865.80
	Cost per 1.00 cum				6637.78
	Say				6637.80

4.19.2.2 M-10 grade plain cement concrete (cement content considered @ 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	cum	0.65	1250.00	812.50
	(0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1200.00	444.00
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	8.00	1.68
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.22	5700.00	1254.00
2209	Carriage of Cement	tonne	0.22	92.24	20.29
7318	Plasticizer / super plasticizer	kilogram	1.10	38.00	41.80
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	(Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	368.00	691.84
	Total				5595.18
	Add 1 % Water charges				55.95
	Total				5651.13
	Add 15 % Contractor's profit and overheads				847.67
	Cost per 1.00 cum				6498.80
	Say				6498.80

4.20 Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.

Note : 1) Excess/less cement used than specified in this item is payable/ recoverable separately.

4.20.1 All works upto plinth level :

4.20.1.1 M-15 grade plain cement concrete (cement content considered @ 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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.24	5700.00	1368.00
2209	Carriage of Cement	tonne	0.24	92.24	22.14
7318	Plasticizer / super plasticizer	kilogram	1.20	38.00	45.60
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	Total				5329.90
	Add 1 % Water charges				53.30
	Total				5383.20
	Add 15 % Contractor's profit and overheads				807.48
	Cost per 1.00 cum				6190.68
	Say				6190.70

4.20.1.2 M-10 grade plain cement concrete (cement content considered @ 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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.22	5700.00	1254.00
2209	Carriage of Cement	tonne	0.22	92.24	20.29
7318	Plasticizer / super plasticizer	kilogram	1.10	38.00	41.80
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	Total				5210.25
	Add 1 % Water charges				52.10
	Total				5262.35
	Add 15 % Contractor's profit and overheads				789.35
	Cost per 1.00 cum				6051.70
	Say				6051.70

4.20.2 All works above plinth and upto floor V level :

4.20.2.1 M-15 grade plain cement concrete. (cement content considered @ 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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.24	5700.00	1368.00
2209	Carriage of Cement	tonne	0.24	92.24	22.14
7318	Plasticizer / super plasticizer	kilogram	1.20	38.00	45.60
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	(Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	368.00	691.84
	Total				5821.74
	Add 1 % Water charges				58.22
	Total				5879.96
	Add 15 % Contractor's profit and overheads				881.99
	Cost per 1.00 cum				6761.95
	Say				6761.95

4.20.2.2 M-10 grade plain cement concrete (cement content considered @ 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	cum	0.65	1250.00	812.50
	(0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.47	1200.00	564.00
2203	Carriage of Coarse sand	cum	0.47	103.77	48.77
0367	Portland Cement	tonne	0.22	5700.00	1254.00
2209	Carriage of Cement	tonne	0.22	92.24	20.29
7318	Plasticizer / super plasticizer	kilogram	1.10	38.00	41.80
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Labour for pouring, consolidating & curing Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries (Extra labour for lifting material upto floor V level = 0.75 x 2.5 = 1.88)	L.S.	13.00	1.73	22.49
0115	Coolie	day	1.88	368.00	691.84
	Total				5702.09
	Add 1 % Water charges				57.02
	Total				5759.11
	Add 15 % Contractor's profit and overheads				863.87
	Cost per 1.00 cum				6622.98
	Say				6623.00

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): 3 graded stone aggregate 20 mm nominal size)

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	1300.00	741.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1300.00	364.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1200.00	510.00
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement (0.2833 cum)	tonne	0.40	5700.00	2280.00
2209	Carriage of Cement	tonne	0.40	92.24	36.90
	LABOUR				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	1.73	24.74
	TOTAL				5351.13
	Add 1 % Water charges				53.51
	TOTAL				5404.64
	Add 15 % Contractor's profit and overheads				810.70
	Cost of 1 cum.				6215.34
	Say				6215.35

5.1.3 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)

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	1300.00	871.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.22	1300.00	286.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.89	103.77	92.35
0982	Coarse sand (zone III)	cum	0.445	1200.00	534.00
2203	Carriage of Coarse sand	cum	0.445	103.77	46.18
0367	Portland Cement (0.2225 cum)	tonne	0.32	5700.00	1824.00
2209	Carriage of Cement	tonne	0.32	92.24	29.52

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.07	800.00	56.00
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	14.30	1.73	24.74
	TOTAL				4969.98
	Add 1 % Water charges				49.70
	TOTAL				5019.68
	Add 15 % Contractor's profit and overheads				752.95
	Cost of 1 cum.				5772.63
	Say				5772.65

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) : 3 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 9.18 cum.				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	5.2326	1300.00	6802.38
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	2.5704	1300.00	3341.52
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	7.803	103.77	809.71
0982	Coarse sand (zone III)	cum	3.9015	1200.00	4681.80
2203	Carriage of Coarse sand	cum	3.9015	103.77	404.85
0367	Portland Cement (0.2833 cum)	tonne	3.672	5700.00	20930.40
2209	Carriage of Cement	tonne	3.672	92.24	338.70
	LABOUR				
0114	Beldar	day	11.29	368.00	4154.72
0115	Coolie	day	7.53	368.00	2771.04
0101	Bhisti	day	8.26	407.00	3361.82
0123	Mason (brick layer) 1st class	day	0.92	487.00	448.04
0124	Mason (brick layer) 2nd class	day	0.92	448.00	412.16
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.64	800.00	512.00
0012	Vibrator(Needle type 40mm)	day	0.64	350.00	224.00
9999	Sundries	L.S.	131.82	1.73	228.05
9999	Scaffolding	L.S.	420.03	1.73	726.65
	Extra labour for lifting of material upto floor V level: 0.75x9.18x2.5 = 17.21				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	17.21	368.00	6333.28
	TOTAL				56481.12
	Add 1 % Water charges				564.81
	TOTAL				57045.93
	Add 15 % Contractor's profit and overheads				8556.89
	Cost for 9.18 cum.				65602.82
	Cost for 1 cum.				7146.28
	Say				7146.30

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) : 3 graded stone aggregate 20 mm nominal size).

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	1300.00	741.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1300.00	364.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1200.00	510.00
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement (0.2833 cum)	tonne	0.40	5700.00	2280.00
2209	Carriage of Cement	tonne	0.40	92.24	36.90
	LABOUR				
0155	Mason (average)	day	0.24	467.00	112.08
0114	Beldar	day	2.75	368.00	1012.00
0101	Bhisti	day	0.90	407.00	366.30
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.08	800.00	64.00
0012	Vibrator(Needle type 40mm)	day	0.08	350.00	28.00
9999	Sundries	L.S.	14.30	1.73	24.74
	Extra labour for lifting material upto floor V level:				
	Coolie (2.5x0.75=1.88)				
0115	Coolie	day	1.88	368.00	691.84
	TOTAL				6363.16
	Add 1 % Water charges				63.63
	TOTAL				6426.79
	Add 15 % Contractor's profit and overheads				964.02
	Cost for 1 cum.				7390.81
	Say				7390.80

5.4 Providing and laying up to floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.4.1	Details of cost for 1 cum. MATERIAL Cement concrete 1:2:4 (Rate as per item no 4.4.1 of SH:Concrete work)	cum	1.00	5924.65	5924.65(A)
	LABOUR Extra labour for laying CC in RCC work :				
0114	Beldar	day	0.10	368.00	36.80
0101	Bhisti	day	0.20	407.00	81.40
0123	Mason (brick layer) 1st class	day	0.04	487.00	19.48
0124	Mason (brick layer) 2nd class	day	0.04	448.00	17.92
0128	Mate	day	0.04	407.00	16.28
	(Extra labour for lifting material upto floor V level : Coolie = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	368.00	691.84
	TOTAL				6788.37
	Add 1 % Water charges on all except (A) i.e. on (6788.37 - 5924.65) = 863.72				8.64
	TOTAL				6797.01
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6797.01 - 5924.65) = 872.36				130.85
	Cost for 1 cum.				6927.86
	Say				6927.85

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) : 3 graded stone aggregate 20 mm nominal size).

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 1:2:4 = 1x0.50x3.14x6.30x9.00x0.30 = 26.73cum				
	MATERIAL				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	15.236	1300.00	19806.80
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	7.484	1300.00	9729.20
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	22.703	103.77	2355.86
0982	Coarse sand (zone III)	cum	11.36	1200.00	13632.00
2203	Carriage of Coarse sand	cum	11.36	103.77	1178.81
0367	Portland Cement (0.2833 cum)	tonne	10.692	5700.00	60944.40
2209	Carriage of Cement	tonne	10.692	92.24	986.22

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0155	Mason (average)	day	6.42	467.00	2998.14
0114	Beldar	day	73.51	368.00	27051.68
0101	Bhisti	day	24.06	407.00	9792.42
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	2.14	800.00	1712.00
0012	Vibrator(Needle type 40mm)	day	2.14	350.00	749.00
9999	Sundries	L.S.	401.89	1.73	695.27
	Extra for laying CC over curved surfaces				
0123	Mason (brick layer) 1st class	day	5.00	487.00	2435.00
0124	Mason (brick layer) 2nd class	day	5.00	448.00	2240.00
0101	Bhisti	day	1.50	407.00	610.50
0115	Coolie	day	4.50	368.00	1656.00
	(Extra labour for lifting material upto floor V level : Coolie = 0.75 x 2.5 x 26.73 = 50.12)				
0115	Coolie	day	50.12	368.00	18444.16
	TOTAL				177017.46
	Add 1 % Water charges				1770.17
	TOTAL				178787.63
	Add 15 % Contractor's profit and overheads				26818.14
	Cost for 26.73 cum.				205605.77
	Cost for 1 cum.				7691.94
	Say				7691.95

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) : 3 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum.				
	MATERIAL				
5.2.2	RCC 1:1½:3 in chimneys & shafts				
	Rate as per Item No.5.2.2 of SH: REINFORCED CEMENT CONCRETE				
	LABOUR				
	Extra labour involved for lifting materials				
0115	Coolie	day	0.26	368.00	95.68
	TOTAL				7241.48
	Add 1 % Water charges on all except (A) i.e. on (7241.48 - 7145.80) = 95.68				0.96
	TOTAL				7242.44
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (7242.44 - 7145.80) = 96.64				14.50
	Cost for 1 cum.				7256.94
	Say				7256.95

5.7 Reinforced cement concrete work in well-steining, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 1 cum. MATERIAL RCC 1:1½:3 in well steining Rate as per Item No.4.1.2 of SH: CONCRETE WORK	cum	1.00	5924.65	5924.65(A)
0115	LABOUR Extra labour involved : Coolie	day	0.08	368.00	29.44
	TOTAL				5954.09
	Add 1 % Water charges on all except (A) i.e. on (5954.09 - 5924.65) = 29.44				0.29
	TOTAL				5954.38
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (5954.38 - 5924.65) = 29.73				4.46
	Cost for 1 cum.				5958.84
	Say				5958.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 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. Cement Concrete 1:1.5.3 4x4x0.60x0.05 = 0.48 cum. 2x3x0.06x0.05 = 0.18 cum. Total = 0.66 cum.				
0295	MATERIAL Stone Aggregate (Single size) : 20 mm nominal size	cum	0.3762	1300.00	489.06
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.1848	1300.00	240.24
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.561	103.77	58.21
0982	Coarse sand (zone III)	cum	0.2805	1200.00	336.60
2203	Carriage of Coarse sand	cum	0.2805	103.77	29.11
0367	Portland Cement (0.2833 cum)	tonne	0.264	5700.00	1504.80
2209	Carriage of Cement	tonne	0.264	92.24	24.35
	LABOUR				
0114	Beldar	day	0.79	368.00	290.72
0115	Coolie	day	0.56	368.00	206.08

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.60	407.00	244.20
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0124	Mason (brick layer) 2nd class	day	0.06	448.00	26.88
9999	Scaffolding	L.S.	30.16	1.73	52.18
9999	Sundries	L.S.	9.49	1.73	16.42
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.05	800.00	40.00
0012	Vibrator(Needle type 40mm)	day	0.05	350.00	17.50
0115	Coolie	day	0.18	368.00	66.24
	Extra for restricted working in fins				
0123	Mason (brick layer) 1st class	day	0.05	487.00	24.35
0124	Mason (brick layer) 2nd class	day	0.05	448.00	22.40
0114	Beldar	day	0.10	368.00	36.80
0101	Bhisti	day	0.15	407.00	61.05
	TOTAL				3816.41
	Add 1 % Water charges				38.16
	TOTAL				3854.57
	Add 15 % Contractor's profit and overheads				578.19
	Cost for 0.66 cum.				4432.76
	Cost for 1 cum.				6716.30
	Say				6716.30

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

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for footing size 2.7mx2.7mx1.00m Contact area = 10.8 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 = $16 \times 0.85 / 40 = 0.34$	each	0.34	900.00	306.00
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	250.00	21.25
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	950.00	161.50
7328	Double clip (bridge clip) Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	80.00	27.20
7329	Single clip Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	62.00	10.54

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7330	M.S. tube 40 mm dia Qty taken for cost of using once = $10.8 \times 0.85/40 = 0.2295$	metre	0.2295	225.00	51.64
9999	Assembly nuts & bolts Qty taken for cost using once = $1040 \times 0.85/40 = 22.10$	L.S.	22.10	1.73	38.23
9977	Carriage LABOUR	L.S.	78.00	1.73	134.94
0116	Fitter (grade 1)	day	0.75	487.00	365.25
0114	Beldar	day	1.50	368.00	552.00
9999	Shuttering oil	L.S.	52.00	1.73	89.96
9999	Sundries	L.S.	26.00	1.73	44.98
	TOTAL				1803.49
	Add 1 % Water charges				18.03
	TOTAL				1821.52
	Add 15 % Contractor's profit and overheads				273.23
	Cost for 10.8 sqm.				2094.75
	Cost per sqm.				193.95
	Say				193.95

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details for 7.9m long and 1.00m high wall Area of contact $2 \times 7.9 \times 1.0 = 15.8$ 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 $2 \times 3 \times 2 \times 2 = 24$ Nos. Qty taken for cost of using once = $24 \times 0.85/40 = 0.51$	each	0.51	900.00	459.00
7327	100 mm channel shoulder 2.5 m long $4 \times 2 = 8$ Qty taken for cost of using once = $8 \times 0.85/40 = 0.17$	each	0.17	950.00	161.50
7328	Double clip (bridge clip) $2 \times 6 \times 2 = 24$ Qty taken for cost of using once = $24 \times 0.85/40 = 0.51$	each	0.51	80.00	40.80
7329	Single clip $2 \times 3 \times 2 = 12$ Qty taken for cost of using once = $12 \times 0.85/40 = 0.255$	each	0.255	62.00	15.81
7330	M.S. tube 40 mm dia $2 \times 2 \times 8 \text{m} = 32 \text{m}$ Qty taken for cost of using once = $32 \times 0.85/40 = 0.68$	metre	0.68	225.00	153.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Nut & Bolts Qty taken for cost using once = 1300x0.85/40 = 27.62	L.S.	27.62	1.73	47.78
9977	Carriage LABOUR	L.S.	78.00	1.73	134.94
0116	Fitter (grade 1)	day	3.50	487.00	1704.50
0114	Beldar	day	6.00	368.00	2208.00
9999	Shuttering oil	L.S.	78.00	1.73	134.94
9999	Sundries	L.S.	52.00	1.73	89.96
	TOTAL				5150.23
	Add 1 % Water charges				51.50
	TOTAL				5201.73
	Add 15 % Contractor's profit and overheads				780.26
	Cost for 15.8 sqm.				5981.99
	Cost per sqm.				378.60
	Say				378.60

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for a room 4.50x3 = 13.50 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 = 14.44kg Total weight of all plates = 5x6x14.44 = 433.2 kg. Qty taken for cost using once = 433.2x0.85/40 = 9.2055 kg				
10.1	Rate as per item no.10.1 S.H. steel work	kg	9.2055	58.45	538.06 (A)
7342	Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once = 5x0.85/40 = 0.1063	each	0.1063	1550.00	164.77
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = 6x0.85/40 = 0.1275	each	0.1275	1000.00	127.50
9999	4. Assembly nut & bolts etc. Qty taken for cost using once = 1040x0.85/40 = 22.10	L.S.	22.10	1.73	38.23
9977	Carriage	L.S.	130.00	1.73	224.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0116	LABOUR Fitter (grade 1)	day	3.00	487.00	1461.00
0114	Beldar	day	6.00	368.00	2208.00
9999	Shuttering oil	L.S.	78.00	1.73	134.94
9999	Sundries, paper tap etc.	L.S.	49.70	1.73	85.98
	TOTAL				4983.38
	Add 1 % Water charges on all except (A) i.e. on (4983.38 - 538.06) = 4445.32				44.45
	TOTAL				5027.83
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (5027.83 - 538.06) = 4489.77				673.47
	Cost for 13.50 sqm.				5701.30
	Cost per sqm.				422.31
	Say				422.30

5.9.4 Shelves (Cast in situ)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for a room 4.50x3 = 13.50 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 = 14.44kg Total weight of all plates = 5x6x14.44 = 433.2 kg. Qty taken for cost using once = 433.2x0.85/40 = 9.2055 kg				
10.1	Rate as per item no.10.1 S.H. steel work	kg	9.2055	58.45	538.06 (A)
7342	Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once = 5x0.85/40 = 0.1063	each	0.1063	1550.00	164.77
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = 6x0.85/40 = 0.1275	each	0.1275	1000.00	127.50
9999	4. Assembly nut & bolts etc. Qty taken for cost using once = 1040x0.85/40 = 22.10	L.S.	22.10	1.73	38.23
9977	Carriage	L.S.	130.00	1.73	224.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0116	Fitter (grade 1)	day	3.00	487.00	1461.00
0114	Beldar	day	6.00	368.00	2208.00
9999	Shuttering oil	L.S.	78.00	1.73	134.94
9999	Sundries, paper tap etc.	L.S.	49.70	1.73	85.98
	TOTAL				4983.38
	Add 1 % Water charges on all except (A) i.e. on (4983.38 - 538.06) = 4445.32				44.45
	TOTAL				5027.83
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (5027.83 - 538.06) = 4489.77				673.47
	Cost for 13.50 sqm.				5701.30
	Cost per sqm.				422.31
	Say				422.30

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Consider a beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor Cubical contents $6.60 \times 0.5 \times 0.3 = 0.99$ cum $1 \times 1.30 \times 6.00 = 7.80$ 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 1. Steel plates for side and bottom (plate size 1.20 x 0.50m) Angle 40x40x5mm $2 \times 1.20 = 2.40$ m $3 \times 0.50 = 1.50$ m 3.90 m @ 3.00 kg/m = 11.70 kg sheet 1.6 mm thick 1.20 m 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 $3 \times 5 \times 20.19 = 302.85$ kg or 3.03 q Qty taken for cost of using once = $302.85 \times 0.85 / 40 = 6.4356$ kg. Rate as per item no.10.1 S.H. steel work Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost of using once = $6 \times 0.85 / 40 = 0.1275$ m				
10.1	Rate as per item no.10.1 S.H. steel work	kg	6.4356	58.45	376.16 (A)
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	0.1275	1000.00	127.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7344	Beam clamp 300-380 mm (450-1070 mm) Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063$ m	each set	0.1063	370.00	39.33
9999	(iv) Assembly nut & bolts etc. Qty taken for cost of using once = $1040 \times 0.85 / 40 = 22.10$	L.S.	22.10	1.73	38.23
9977	Carriage LABOUR	L.S.	78.00	1.73	134.94
0116	Fitter (grade 1)	day	1.25	487.00	608.75
0114	Beldar	day	2.50	368.00	920.00
9999	Shuttering oil	L.S.	39.00	1.73	67.47
9999	Sundries, paper tape etc.	L.S.	24.61	1.73	42.58
	TOTAL				2354.96
	Add 1 % Water charges on all except (A) i.e. on (2354.96 - 376.16) = 1978.80				19.79
	TOTAL				2374.75
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2374.75 - 376.16) = 1998.59				299.79
	Cost for 7.80 sqm.				2674.54
	Cost per sqm.				342.88
	Say				342.90

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 4.5 sqm Size of column 450x450mm and 2.5m high Area of contact = $4 \times 0.45 \times 2.5 = 4.5$ 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 Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	900.00	153.00
7332	Corner angle 45x45x5 m 2.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	265.00	22.53
7333	Column clamp 450x1070 m Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063$	each	0.1063	1010.00	107.36
7334	Prop 2 m (2-3.5m) Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	665.00	56.53
9999	Assembly nut & bolt Qty taken for cost of using once = $1300 \times 0.85 / 40 = 27.62$	L.S.	27.62	1.73	47.78
9977	Carriage	L.S.	52.00	1.73	89.96

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0116	LABOUR Fitter (grade 1)	day	1.00	487.00	487.00
0114	Beldar	day	2.00	368.00	736.00
9999	Shuttering oil	L.S.	39.00	1.73	67.47
9977	Carriage	L.S.	26.00	1.73	44.98
	TOTAL				1812.61
	Add 1 % Water charges				18.13
	TOTAL				1830.74
	Add 15 % Contractor's profit and overheads				274.61
	Cost for 4.5 sqm.				2105.35
	Cost per sqm.				467.85
	Say				467.85

5.9.7 Stairs, (excluding landings) except spiral-staircases

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5.79 sqm. Details of staircase, 3.40m clear span including 1m landing. MATERIAL (i) Cost of plank 38mm (2nd class kail wood) Waist $2.69 \times 1.30 = 3.50 \text{sqm}$. Side shuttering of steps and side of waist-Steps $= 8 \times 1.30 \times 1.15 = 1.56 \text{ sqm}$. Face of landing $1 \times 1.30 \times 0.15 = 0.20 \text{ sqm}$. Side of waist $2.69 \times 0.13 = 0.35 \text{ sqm}$. Side of steps- $8 \times 0.50 \times 0.30 \times 0.15 = 0.18 \text{sqm}$. Total = 5.79 sqm. Wastage 5% = 0.29sqm. Total = 6.08 sq. Cubical content- $6.08 \times 0.038 = 0.231 \text{ cum} = 231 \text{ dm}^3$ Qty taken for cost using once = $231/8 = 28.875 \text{ cudm}$				
1198	Second class kail wood in planks (ii) Batten 100mm x 75mm $4 \times 1.30 \times 0.100 \times 0.075 = 0.039 \text{ cum} = 39 \text{ dm}^3$ Qty taken for cost using once = $39/8 = 4.875 \text{ cudm}$	10 cudm	2.8875	260.00	750.75
1197	Second class kail wood in scantling $2 \times 4 \times 0.80 = 6.40 \text{m}$ Qty taken for cost using once = $6.4/8 = 0.8 \text{ m}$	10 cudm	0.4875	260.00	126.75
0302	Safeda ballies 125 mm diameter Planks = 0.231 cum. Battens = 0.039 cum. Ballies $6.4 \times 3.142 / 4 \times (0.125)^2 = 0.079 \text{cum}$. Total = 0.349 cum. Qty taken for cost using once = $0.349/8 = 0.04363 \text{ cum}$	metre	0.80	35.00	28.00
2204	Carriage of Timber	cum	0.04363	118.59	5.17

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
	For assembling, erection, dismantling and cleaning				
0112	Carpenter 2nd class	day	1.75	448.00	784.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries	L.S.	16.12	1.73	27.89
	TOTAL				2090.56
	Add 1 % Water charges				20.91
	TOTAL				2111.47
	Add 15 % Contractor's profit and overheads				316.72
	Cost of 5.79 sqm.				2428.19
	Cost per sqm.				419.37
	Say				419.35

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	342.90	480.06
	Riser				
	2x10x0.70x0.23 = 3.22 sqm				
5.9.2	Rate as per item no 5.9.2 of SH : RCC	sqm	3.22	378.60	1219.09
	Newal Post (Column)				
	10x3.14x0.232 = 1.66 sqm				
5.9.7	Rate as per item no 5.9.7 of SH: RCC	sqm	1.66	419.35	696.12
	Cost of 6.28 sqm				2395.27
	Cost of 1 sqm				381.41
	Say				381.40

5.9.9 Arches, domes, vaults up to 6 m span

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a semicircular arch 3.6m clear span and 3.6m long.				
	Area of centering = 22x1.8x3.6=20.37sqm.				
	MATERIAL				
	Frame work in 2nd class kail wood				
	Tie-1x3.6x0.15x0.20 = 0.108cum.				
	Struts-3x1.8x0.10x0.10 =0.054cum				
	Struts-2x2.55x0.10x0.10=0.051cum.				
	Ribs-4x1.38x0.075x0.075=0.031cum.				
	Total = 0.244 cum.				
	Quantity for 7 such frames				
	7x0.244 = 1.708cum.				
	Strips 5cmx2.5cm = 7.5cm				
	center to center				
	5.66/0.075x0.05x0.025x3.6 = 0.342cum.				
	Total = 2.050 cum = 2050 cudm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Qty taken for cost using once = $2050/8 = 256.25$ cudm Second class kail wood in scantling	10 cudm	25.625	260.00	6662.50
0302	Safeda ballies 125 mm dia $7 \times 4 \times 3.6 = 100.8$ m Safeda ballies 125 mm diameter	metre	12.60	35.00	441.00
0992	G.I. Plain sheet 20.37 sqm m 116kg. Or 1.16 quintal Qty taken for cost using once = $1.16/8 = 0.145$ qtl Galvanised steel plain sheets	quintal	0.145	5600.00	812.00
2204	Carriage- Kail wood = 2.05cum. Ballies - $100.8 \times (0.125)^2 / 4 \times 3.142 = 1.24$ cum. Total = 3.29 cum. Qty taken for cost using once = $3.29/8 = 0.4112$ cum Carriage of Timber	cum	0.4112	118.59	48.77
2302	G.I. Sheet = 0.116 t Qty taken for cost using once = $0.116/8 = 0.0145$ t Carriage of G.I.sheet and accessories	tonne	0.0145	92.24	1.34
0112	LABOUR Carpenter 2nd class	day	16.00	448.00	7168.00
0114	Beldar	day	13.00	368.00	4784.00
9999	Sundries	L.S.	11.70	1.73	20.24
	TOTAL				19937.85
	Add 1 % Water charges				199.38
	TOTAL				20137.23
	Add 15 % Contractor's profit and overheads				3020.58
	Cost of 20.37sqm.				23157.81
	Cost per sqm.				1136.85
	Say				1136.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 33.31 sqm Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m $2R-2 = 8$ $\tan^{-1}(4/3) = 53.28^\circ$ $2 \times 53.28^\circ = 106^\circ$ Surface area = $2 \times 22/7 \times 5 \times 3.6 \times 106/360 = 33.31$ sqm. Arc = 9.25m MATERIAL Tie- $2 \times 8 \times 0.18 \times 0.05 = 0.144$ cum Struts- $2 \times 2.5 \times 0.1 \times 0.1 = 0.050$ cum. Struts- $2 \times 1.77 \times 0.1 \times 0.1 = 0.035$ cum. Ribs- $6 \times 1.54 \times 0.23 \times 0.1 = 0.213$ cum. Struts- $2 \times 1.72 \times 0.1 \times 0.1 = 0.034$ cum. Total = 0.476 cum.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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. or 7103 cudm Qty taken 1/8th of qty for cost using once =7.103/8 = cum = 887.9 Cudm				
1197	Second class kail wood in scantling	10 cudm	88.79	260.00	23085.40
2204	Carriage of Timber	cum	0.8879	118.59	105.30
	Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50cm each = 16m Straps-50mmx10mm = 8 Nos. @ 0.25cm each = 2m Total = 18m 18m, wt @ 3.9kg/m = 70.2 kg. = 0.702q Qty taken 1/8th of qty for cost using once = 0.702/8 = 0.08775				
1225	Mild steel flat strap fitting	quintal	0.0878	4000.00	351.20
	Bolts 160 Nos. 254 mm long 16mm dia.- 160x.254x 1.58=64.21 kg=0.64q. Qty taken 1/8th of qty for cost using once =0.64/8 = 0.08				
1034	Bolts and nuts upto 300 mm in length	quintal	0.08	5100.00	408.00
2302	Carriage of G.I.sheet and accessories	tonne	0.0168	92.24	1.55
	Qty taken 1/8th of qty for cost using once = 0.1342/8 = 0.01677 t say 0.0168 t LABOUR				
0112	Carpenter 2nd class	day	28.00	448.00	12544.00
0114	Beldar	day	24.00	368.00	8832.00
9999	Sundries	L.S.	134.55	1.73	232.77
	Less Cost of shuttering etc. for an arch exceeding 6 m span i.e. for an average of 8 m span				
5.9.9	Rate as per item no 5.9.9 of SH : RCC	sqm	-33.31	1136.85	-37868.47(A)
	TOTAL				7691.75
	Add 1 % Water charges on all except (A) i.e. on (7691.75 - -37868.47) = 45560.22				455.60
	TOTAL				8147.35
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8147.35 - 37868.47) = 46015.82				6902.37
	Cost of 33.31sqm.				15049.72
	Cost per sqm of soffit area				451.80
	Say				451.80

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 $2 \times 7.9 \times 1.0 = 15.8$ 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 $2 \times 3 \times 2 \times 2 = 24$ Nos. Qty taken for cost of using once = $24 \times 0.85/40 = 0.51$	each	0.51	900.00	459.00
7327	100 mm channel shoulder 2.5 m long $4 \times 2 = 8$ Qty taken for cost of using once = $8 \times 0.85/40 = 0.17$	each	0.17	950.00	161.50
7328	Double clip (bridge clip) $2 \times 6 \times 2 = 24$ Qty taken for cost of using once = $24 \times 0.85/40 = 0.51$	each	0.51	80.00	40.80
7329	Single clip $2 \times 3 \times 2 = 12$ Qty taken for cost of using once = $12 \times 0.85/40 = 0.255$	each	0.255	62.00	15.81
7330	M.S. tube 40 mm dia $2 \times 2 \times 8 \text{m} = 32 \text{m}$ Qty taken for cost of using once = $32 \times 0.85/40 = 0.68$	metre	0.68	225.00	153.00
9999	Nut & Bolts Qty taken for cost of using once = $1300 \times 0.85/40 = 27.63$	L.S.	27.63	1.73	47.80
9977	Carriage LABOUR	L.S.	78.00	1.73	134.94
0116	Fitter (grade 1)	day	3.50	487.00	1704.50
0114	Beldar	day	6.00	368.00	2208.00
9999	Shuttering oil	L.S.	78.00	1.73	134.94
9999	Sundries	L.S.	52.00	1.73	89.96
	TOTAL				5150.25
	Add 1 % Water charges				51.50
	TOTAL				5201.75
	Add 15 % Contractor's profit and overheads				780.26
	Cost for 15.8 sqm.				5982.01
	Cost per sqm.				378.60
	Say				378.60

5.9.12 Well steining

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost 26.39 sqm. Surface area Outside area = $22/7 \times 4.40 \times 1.00 = 13.82$ sqm = 26.39 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	MATERIAL Assuming that the timber will become unserviceable after being used 8 times Planks 38 mm (Second class kail wood) $26.39 \times 0.038 = 1.00 \text{ cum}$. Wastage 20% = 0.20 cum. Total = 1.20 cum. or 1200 cudm. Qty for cost using once = $1200/8=150 \text{ cudm}$ Second class kail wood in planks 2nd class kail wood battens Inside = $2 \times 25 \times 0.50 \times 0.075 \times 0.038 = 0.0712 \text{ cum}$. Outside = $2 \times 28 \times 0.50 \times 0.075 \times 0.038 = 0.0798 \text{ cum}$. Total = 0.1510 cum. Wastage 5% = 0.0076 cum. = 0.1586 cum = 158.60 cudm Qty for cost using once = $0.1586/8= 0.0198 \text{ cudm}$	10 cudm	15.00	260.00	3900.00
1197	Second class kail wood in scantling	10 cudm	0.00198	260.00	0.51
0302	Safeda ballies 125 mm diameter Inside: $25 \times 1.00 = 25.00 \text{ m}$ Outside: $28 \times 1.00 = 28.00 \text{ m}$ Total = 53.00 m Qty for cost using once = $53/8 = 6.625 \text{ m}$	metre	6.625	35.00	231.88
	TOTAL				4132.39
	Add for carriage, labour for erectio ad dismentalig etc @ 1/6 (16.667%) of cost of material				688.75
	TOTAL				4821.14
	Add 1 % Water charges				48.21
	TOTAL				4869.35
	Add 15 % Contractor's profit and overheads				730.40
	Cost for 26.39sqm.				5599.75
	Cost per sqm.				212.19
	Say				212.20

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for 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. $(4 \times 4 \times 1.25) + (2 \times 3 \times 0.65) = 23.90 \text{ sqm} + 5\% \text{ wastage} = 25.10 \text{ sqm}$. MATERIAL Second class kail wood in planks 38mm thick- $4 \times 4 \times 1.25 = 20.00$ $2 \times 3 \times 0.65 = 3.90$ Total = 23.90	10 cudm	11.925	260.00	3100.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Wastage @ 5% = 1.20 Total = 25.10sqm. 25.10x0.038=.954 cum or 954 cudm Qty for cost using once = 954/8 = 119.25 cudm Second class kail wood in scantling 4x2x5x0.60x0.075x0.050=0.090 3x2x5x1.00x0.075x0.050=0.112 2x6x0.60x0.075x0.100=0.054 = 0.256 Cum. Wastage@ 5% =0.013 cum = 0.269 cum= 269 cudm Qty for cost using once = 269/8 = 33.625 cudm	10 cudm	3.3625	260.00	874.25
0302	Safeda ballies 125 mm diameter 2x2x6x4.00 =96m Wastage @5% = 4.8m Total= 100.8 m Qty for cost using once = 100.8/8 = 12.6 m	metre	12.60	35.00	441.00
2204	Carriage of Timber Planks = 0.954 Battens = 0.269 Ballies 100.8x(0.125) ² /4x3.142= 1.238cum. Total = 2.461 cum Qty for cost using once = 2.461/8 = 0.3076 cum	cum	0.3076	118.59	36.48
0112	LABOUR For assembling, erection, dismantling and cleaning Carpenter 2nd class	day	11.00	448.00	4928.00
0114	Beldar	day	11.00	368.00	4048.00
9999	Sundries	L.S.	80.73	1.73	139.66
	TOTAL				13567.89
	Add 1 % Water charges				135.68
	TOTAL				13703.57
	Add 15 % Contractor's profit and overheads				2055.54
	Cost for 25.10 sqm.				15759.11
	Cost per sqm.				627.85
	Say				627.85

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 footing size 2.7mx2.7mx1.00m Contact area = 10.8 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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7319	Wall form panel 1250x500 mm Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	900.00	306.00
7326	Corner angle 45x45x5 mm 1.50 m long Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$	each	0.085	250.00	21.25
7327	100 mm channel shoulder 2.5 m long Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	950.00	161.50
7328	Double clip (bridge clip) Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$	each	0.34	80.00	27.20
7329	Single clip Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$	each	0.17	62.00	10.54
7330	M.S. tube 40 mm dia $4 \times 2.7 \text{m} = 10.8 \text{m}$ Qty taken for cost of using once = $10.8 \times 0.85 / 40 = 0.2295$	metre	0.2295	225.00	51.64
9999	Assembly nuts & bolts Qty taken for cost of using once = $1040 \times 0.85 / 40 = 22.10$	L.S.	22.10	1.73	38.23
9977	Carriage LABOUR	L.S.	78.00	1.73	134.94
0116	Fitter (grade 1)	day	0.75	487.00	365.25
0114	Beldar	day	1.50	368.00	552.00
9999	Shuttering oil	L.S.	52.00	1.73	89.96
9999	Sundries	L.S.	26.00	1.73	44.98
	TOTAL				1803.49
	Add 1 % Water charges				18.03
	TOTAL				1821.52
	Add 15 % Contractor's profit and overheads				273.23
	Cost for 10.8 sqm.				2094.75
	Cost per sqm.				193.95
	Say				193.95

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 ₹
1198	Details of cost for a 3mx3m slab 15cms thick 12m edge Length MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks (i) Planks 30mm thick (2nd class Kail wood or equivalent local soft wood) $4 \times 3 \times 0.15 \times 0.030 = 0.054 \text{cum}$ Wastage @5% = 0.003 cum. Total = 0.057 cum 57 cudm Qty taken for cost of using once = $57/8$ $= 7.125 \text{cudm}$	10 cudm	0.7125	260.00	185.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Second class kail wood in scantling (ii) Battens 75mmx100mm (2nd class Kail wood) Horizontal $2 \times 4 \times 0.075 \times 0.1 \times 0.5 = 0.030$ Horizontal $2 \times 4 \times 0.075 \times 0.1 \times 1.5 = 0.090$ (iii) Vertical battens $16 \times 0.15 \times 0.075 \times 0.030 \text{m} = 0.0054$ (iv) Struts $16 \times 0.25 \times 0.075 \times 0.075 = 0.0225$ Total = 0.1479 Wastage @5% = 0.0074 Total = 0.1553 cum = 155 cudm Qty taken for cost of using once = $155/8 = 19.375$ cudm	10 cudm	1.9375	260.00	503.75
2204	Carriage of Timber Planks = 0.057 cum. Battens = 0.155 cum. Total = 0.212 cum. Qty taken for cost of using once = $0.212/8 = 0.0265$ cum LABOUR For assembling erection dismantling & cleaning.	cum	0.0265	118.59	3.14
0112	Carpenter 2nd class	day	0.81	448.00	362.88
0114	Beldar	day	0.54	368.00	198.72
9999	Sundries	L.S.	5.20	1.73	9.00
	TOTAL				1262.74
	Add 1 % Water charges				12.63
	TOTAL				1275.37
	Add 15 % Contractor's profit and overheads				191.31
	Cost of 12 metres				1466.68
	Cost of one meter				122.22
	Say				122.20

5.9.16.2 Above 20 cm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	Details of cost for 4mx4xslab 25cms thick 16 metre edge length Shuttering surface area = $16 \times 0.25 = 4$ sqm MATERIAL Second class kail wood in planks (i) Planks 38mm thick $4 \times 4 \times 0.25 \times 0.038 = 0.152$ Wastage @ 5% = 0.008 Total = 0.160 cum. = 160 cudm Qty taken for cost of using once = $160/8 = 20$ cudm	10 cudm	2.00	260.00	520.00
1197	Second class kail wood in scantling (ii) Battens $6 \times 2 \times 0.6 \times 0.075 \times 0.100 = 0.054$ $5 \times 2 \times 1.5 \times 0.075 \times 0.100 = 0.113$ Total = 0.167	10 cudm	2.188	260.00	568.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2204	Wastage @ 5% = 0.008 Total = 0.175 cum. = 175 cudm Qty taken for cost of using once = 175/8 = 21.88 cudm Carriage of Timber Planks = 0.16 cum. Battens = 0.175 cum. Total = 0.335 cum. Qty taken for cost of using once = 0.335/8 = 0.0419 cum LABOUR For assembling erection dismantling & cleaning.	cum	0.0419	118.59	4.97
0112	Carpenter 2nd class	day	1.00	448.00	448.00
0114	Beldar	day	0.75	368.00	276.00
9999	Sundries	L.S.	6.50	1.73	11.25
	TOTAL				1829.10
	Add 1 % Water charges				18.29
	TOTAL				1847.39
	Add 15 % Contractor's profit and overheads				277.11
	Cost of 4 sqm.				2124.50
	Cost of 1 sqm.				531.12
	Say				531.10

5.9.17 Cornices and mouldings

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	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. 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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2447	Hollock ballies 125 mm diameter (iii) Ballies 125 mm dia. Slant $10 \times 0.3 = 3$ m ver. $6 \times 3.5 = 21.0$ m Total = 24.0 m Wastage @ 5% = 1.2 m Total = 25.2 m Qty taken for cost using once = $25.2/8 = 3.15$ m	metre	3.15	35.00	110.25
2204	Carriage of Timber Planking = 0.188 cum. Battens & Wales = 0.218 cum. Ballies $25.2 \times 22/7 \times (0.125)/4 = 0.310$ cum. Total = 0.710 cum. Qty taken for cost using once = $0.71/8 = 0.0888$ cum	cum	0.0888	118.59	10.53
0112	LABOUR Labour for assembling, erection, dismantling & cleaning Carpenter 2nd class	day	0.63	448.00	282.24
0114	Beldar	day	0.63	368.00	231.84
9999	Sundries	L.S.	6.50	1.73	11.25
	TOTAL				1946.11
	Add 1 % Water charges				19.46
	TOTAL				1965.57
	Add 15 % Contractor's profit and overheads				294.84
	Cost of 4 sqm.				2260.41
	Cost of 1 sqm.				565.10
	Say				565.10

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 ₹
1198	Details of cost for a bracket 1.20m projected Front area 0.50×0.60 m End area 0.50×0.75 m Area in contact with concrete $2 \times \{(0.60.75)/2 \times 1.2\} = 1.62$ sqm. Front $0.5 \times 0.6 = 0.30$ sqm. Bottom $0.5 \times 1.21 = 0.605$ sqm. Total = 2.525 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks Timber IInd class kail wood or equivalent local soft wood (I) Plank 30mm thick. Sides $2 \times \{(0.60.75)/2 \times 1.238\} = 1.6713$ sqm Battens $0.576 \times 1.21 = 0.697$	10 cudm	1.3375	260.00	347.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	Front 0.5x0.638 = 0.319 Total = 2.687 sqm. Cubical contents 2.687x0.038 = 0.102 cum. Wastage @ 5% = 0.005 cum. Total = 0.107 cum. Qty taken for cost using once = 107/8 = 13.375 cudm	10 cudm	0.315	260.00	81.90
2447	Second class kail wood in scantling (ii) Battens-0.05x0.05 2x1.238 = 2.476m 2x1.21 = 2.42m 2x0.688 = 1.376m 2x0.838 = 1.676m 3x0.5 = 1.50m Total = 9.448m Cubical contents 9.448x0.05x0.05 = 0.024 cum. Wastage 5% = 0.0012 cum. Total = 0.0252 cum = 25.2 cudm Qty taken for cost using once = 25.2/8 = 3.15 cudm	metre	0.6763	35.00	23.67
2204	Hollock ballies 125 mm diameter (iii) Ballies 125mm dia. 1x2.5 = 2.50m 1x2.65 = 2.65m Total = 5.15 m Wastage 5% = 0.26m Total = 5.41 m Qty taken for cost using once = 5.41/8= 0.6763 m	cum	0.0248	118.59	2.94
0112	Carriage of Timber Planks = 0.107 cum. Battens = 0.0252 cum. Ballies 5.41x22/7x(0.125 ² /4 = 0.066 cum. Total = 0.198 cum Qty taken for cost using once = 0.198/8 = 0.0248 cudm				
0114	LABOUR Labour for assembling, erection, dismantling & cleaning	day	0.80	448.00	358.40
9999	Carpenter 2nd class	day	0.80	368.00	294.40
	Beldar	L.S.	7.15	1.73	12.37
	Sundries				1121.43
	TOTAL				11.21
	Add 1 % Water charges				1132.64
	TOTAL				169.90
	Add 15 % Contractor's profit and overheads				1302.54
	Cost of 2.525 sqm.				515.85
	Cost of 1 sqm.				515.85
	Say				515.85

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1198	<p>Details of cost for a weather shade Area of centring and shuttering = 0.954 sqm For a weather shade over a window of size 1.5mx1.2m Size of weather shade 1.80x0.45m Thickness at front = 0.05m Thickness at fixed edge = 0.07m Area in contact with concrete Bottom 1x0.45x1.80 = 0.810 1x0.05x1.80 = 0.094 2x0.45x0.06 = 0.027 Total = 0.954 sqm. MATERIAL Assuming that the timber will become unserviceable after being used 8 times. Second class kail wood in planks (i) Planking 38mm thick. Bottom 1x1.876x0.488 = 0.915 sqm. 1x1.876x0.05 = 0.94 sqm. 2x0.45x0.06 = 0.027 sqm. Total = 1.036 sqm. Add 5% wastage = 0.052 sqm. Total = 1.088 sqm. Cubic contains 1.088x0.038 = 0.041 cum = 41 cudm Qty taken for cost using once = 41/8 = 5.125 cudm</p>	10 cudm	0.5125	260.00	133.25
1197	<p>Second class kail wood in scantling (ii) Battens- 2x0.60x0.075x0.10 = 0.009 Ends with bearing center 1x0.45x0.075x0.10 = 0.003 Total = 0.012 cum = 12 cudm Qty taken for cost using once = 12/8=1.50 cudm</p>	10 cudm	0.15	260.00	39.00
2447	<p>Hollock ballies 125 mm diameter (iii) Ballies 125mm dia. 2x2.1 = 4.2m Wastage 5% = 0.21m Total = 4.41 m Qty taken for cost using once = 4.41/8 = 0.5513 m</p>	metre	0.5513	35.00	19.30
2204	<p>Carriage: Carriage of Timber Plank = 0.041 cum. Battens = 0.012 cum. Ballies 4.41x22/7x(0.125)²/4 = 0.054 cum. Total = 0.107 cum Qty taken for cost using once = 0.107/8 = 0.01338 cum</p>	cum	0.01338	118.59	1.59

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
	Labour for assembling, erection, dismantling & cleaning				
0112	Carpenter 2nd class	day	0.30	448.00	134.40
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	5.20	1.73	9.00
	TOTAL				428.54
	Add 1 % Water charges				4.29
	TOTAL				432.83
	Add 15 % Contractor's profit and overheads				64.92
	Cost for 0.954 sqm.				497.75
	Cost of 1 sqm.				521.75
	Say				521.75

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	Detail of cost for a room 4.50x3 = 13.50 sqm, height 3.5 m MATERIAL Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost Rate as per Item No.10.1 of SH:Steel Work 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 Weight of one plate = 8.10kg Add for wastage @ 5% = 0.41 kg Total = 8.51kg Total weight of all plates = 5x6x8.51 = 255.30 kg. Qty taken for cost using once.= 255.30x0.85/40 = 5.425 kg Welding length = (30x32)/40=24 cm	kg	5.425	58.45	317.09 A
1215	Welding by electric plant	cm	24.00	2.00	48.00
8659	Water proof ply 12mm thick. 1x4.50x3.00=13.50sqm Add wastage @ 5% =0.68sqm Total 14.18sqm Qty taken for cost using once 14.18/8 = 1.77sqm	sqm	1.77	517.00	915.09
0112	Carpenter 2nd class	day	0.125	448.00	56.00
0114	Beldar	day	0.125	368.00	46.00
1034	Bolts and nuts upto 300 mm in length	quintal	0.0021	5100.00	10.71
7342	Adjustable span ESO+SI (2.35-3.40) Qty taken for cost using once = 5x0.85/40 = 0.10625	each	0.1063	1550.00	164.77

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost using once = $6 \times 0.85 / 40 = 0.1275$	each	0.1275	1000.00	127.50
9999	Assembly nut & bolts etc.	L.S.	12.63	1.73	21.85
9977	Carriage LABOUR	L.S.	130.00	1.73	224.90
0116	Fitter (grade 1)	day	3.00	487.00	1461.00
0114	Beldar	day	6.00	368.00	2208.00
9999	Shuttering oil	L.S.	78.00	1.73	134.94
9999	Sundries	L.S.	52.00	1.73	89.96
	TOTAL				5825.81
	Add 1 % Water charges on all except (A) i.e. on (5825.81 - 317.09) = 5508.72				55.09
	TOTAL				5880.90
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (5880.90 - 317.09) = 5563.81				834.57
	Cost for 13.50 sqm.				6715.47
	Cost per sqm.				497.44
	Say				497.45

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
10.1	<p>Details of cost for a beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor Cubical contents $6.60 \times 0.5 \times 0.3 = 0.99$ cum $1 \times 1.30 \times 6.00 = 7.80$ sqm MATERIAL Assuming shuttering will become unserviceable after use of 8 times Add maintenance charges @ 10% of cost of material Less salvage value of material after full use @ 25% of cost of material Rate as per Item No.10.1 of SH:Steel Work Steel plates for side and bottom (plate size 1.20 x 0.50m) Angle 40x40x5mm (both sides) & bottom $2 \times (2 \times 1.20) = 4.80 + (2 \times 1.2) = 7.20$m $2 \times (3 \times 0.50) = 3.00 + (3 \times 0.30) = 3.9$m 11.10 m @ 3.00 kg/m = 33.30 kg Weight of one plate = 11.70 kg. Add for wastage = 1.67kg. Total = 34.97 kg. Total weight of all plates $5 \times 34.97 = 174.85$ kg Qty taken for cost of using once = $174.85 \times 0.85 / 40 = 3.72$ kg Welding length $480 / 40 = 12$ cm</p>	kg	3.72	58.45	217.43(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1215	Welding by electric plant	cm	12.00	2.00	24.00
8659	Water proof ply 12mm thick. 1x1.30x6.00 = 7.80 sqm Add 5% wastage = 0.39 sqm Total = 8.19 sqm Qty taken for cost of using once 8.19/8 sqm= 1.02 sqm	sqm	1.02	517.00	527.34
0112	Carpenter 2nd class	day	0.125	448.00	56.00
0114	Beldar	day	0.125	368.00	46.00
1034	Bolts and nuts upto 300 mm in length	quintal	0.0021	5100.00	10.71
7343	Adjustable telescopic prop 3 m (2.02-3.75 m) Qty taken for cost of using once = 6 x0.85/40 =0.1275 m	each	0.1275	1000.00	127.50
7344	Beam clamp 300-380 mm (450-1070 mm) Qty taken for cost of using once = 5x0.85/40 = 0.1063m	each set	0.1063	370.00	39.33
9999	Assembly nut & bolts etc.	L.S.	11.05	1.73	19.12
9977	Carriage LABOUR	L.S.	78.00	1.73	134.94
0116	Fitter (grade 1)	day	1.25	487.00	608.75
0114	Beldar	day	2.50	368.00	920.00
9999	Shuttering oil	L.S.	39.00	1.73	67.47
9999	Sundries, paper tape etc.	L.S.	26.00	1.73	44.98
	TOTAL				2843.57
	Add 1 % Water charges on all except (A) i.e. on (2843.57 - 217.43) = 2626.14				26.26
	TOTAL				2869.83
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2869.83 - 217.43) = 2652.40				397.86
	Cost for 7.80 sqm.				3267.69
	Cost per sqm.				418.93
	Say				418.95

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 7.90mx 1m (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	18.00	864.00
9977	Carriage:	L.S.	13.00	1.73	22.49

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	LABOUR Sundries TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost for 24 sets Cost of 1 each set Say	L.S.	26.00	1.73	44.98 2659.47 26.59 2686.06 402.91 3088.97 128.70 128.70

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	18.00	864.00
9977	Carriage: LABOUR	L.S.	13.00	1.73	22.49
9999	Sundries TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost for 24 sets Cost of 1 each set Say	L.S.	26.00	1.73	44.98 2899.47 28.99 2928.46 439.27 3367.73 140.32 140.30

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	18.00	864.00
9977	Carriage: LABOUR	L.S.	13.00	1.73	22.49
9999	Sundries TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost for 24 sets Cost of 1 each set Say	L.S.	26.00	1.73	44.98 3139.47 31.39 3170.86 475.63 3646.49 151.93 151.95

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	70.00	1680.00
7324	Spring coil 12 mm	each	48.00	16.00	768.00
7325	Plastic cone 12 mm dia	each	48.00	18.00	864.00
9977	Carriage:	L.S.	13.00	1.73	22.49
	LABOUR				
9999	Sundries	L.S.	26.00	1.73	44.98
	TOTAL				3379.47
	Add 1 % Water charges				33.79
	TOTAL				3413.26
	Add 15 % Contractor's profit and overheads				511.99
	Cost for 24 sets				3925.25
	Cost of 1 each set				163.55
	Say				163.55

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, landing, beams and balconies (Plan area to be measured)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a Room of size 6mx4.8m = 28.8 sqm.				
	MATERIAL				
	Assuming that shuttering material will become 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	each	0.4463	950.00	423.99
	Qty taken for cost using once = $21 \times 0.85 / 40 = 0.4463$				
	Deduct the rate of 3m prop				
7343	Adjustable telescopic prop 3 m (2.02-3.75 m)	each	-0.4463	1000.00	-446.30
	Qty taken for cost using once = $21 \times 0.85 / 40 = 0.4463$				
7330	M.S. tube 40 mm dia	metre	1.0965	225.00	246.71
	Bracing				
	MS tube 40mm				
	7x4.8m = 33.60m				
	3x6.0m = 18.00m				
	Total = 51.60m				
	Qty taken for cost using once = $51.6 \times 0.85 / 40 = 1.0965$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7346	Double coupler (40x40) Qty taken for cost using once = $21 \times 0.85/40$ = 0.4463	each	0.4463	48.00	21.42
9977	Carriage LABOUR	L.S.	65.00	1.73	112.45
0116	Fitter (grade 1)	day	3.00	487.00	1461.00
0114	Beldar	day	6.00	368.00	2208.00
9999	Sundries	L.S.	130.00	1.73	224.90
	TOTAL				4252.17
	Add 1 % Water charges				42.52
	TOTAL				4294.69
	Add 15 % Contractor's profit and overheads				644.20
	Cost for 28.8 sqm.				4938.89
	Cost per sqm.				171.48
	Say				171.50

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) : 3 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.5.1	Details of cost for 1 cum. MATERIAL Cement concrete 1:1½:3 in string or lacing course etc 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 fixed in CM 1:2)(1 cement : 2 coarse sand) as per CPWD specifications) LABOUR Extra labour for laying CC in RCC work	cum	1.00	6772.45	6772.45(A)
0114	Beldar	day	0.10	368.00	36.80
0101	Bhisti	day	0.20	407.00	81.40
0123	Mason (brick layer) 1st class	day	0.04	487.00	19.48
0124	Mason (brick layer) 2nd class	day	0.04	448.00	17.92
0128	Mate	day	0.04	407.00	16.28
	TOTAL				6944.33
	Add 1 % Water charges on all except (A) i.e. on (6944.33 - 6772.45) = 171.88				1.72
	TOTAL				6946.05
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6946.05 - 6772.45) = 173.60				26.04
	Cost for 1 cum.				6972.09
	Say				6972.10

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) : 3 graded stone aggregate 20 mm nominal size).

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 Rate as per Item No.4.2.2 of SH: Concrete Work	cum	0.054	6990.40	377.48 (A)
4.2.2	Centring and shuttering Rate as per item no. 4.3.1 of SH: Concrete work	sqm	0.60	193.95	116.37 (A)
4.3.1	LABOUR				
0114	Beldar	day	0.005	368.00	1.84
0101	Bhisti	day	0.01	407.00	4.07
0123	Mason (brick layer) 1st class	day	0.002	487.00	0.97
0124	Mason (brick layer) 2nd class	day	0.002	448.00	0.90
0128	Mate	day	0.002	407.00	0.81
	TOTAL				502.44
	Add 1 % Water charges on all except (A) i.e. on (502.44 - 493.85) = 8.59				0.09
	TOTAL				502.53
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (502.53 - 493.85) = 8.68				1.30
	Cost for 0.054 cum.				503.83
	Cost per cum				9330.18
	Say				9330.20

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) : 3 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for $1m \times 0.20 \times 0.15 = 0.03 \text{ cum}$ MATERIAL Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.03	5924.65	177.74 (A)
4.1.2	Extra labour for lifting $0.45 \times 0.03 \times 2.5 = 0.034$				
0115	Coolie	day	0.034	368.00	12.51
9999	Mortar and labour for hoisting and for fixing Centring and shuttering	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.3.1	Rate as per Item No.4.3.1 of SH: Concrete Work	sqm	0.36	193.95	69.82 (A)
9999	Add for extra labour for hoisting 53.82x0.03 = 1.61 LABOUR	L.S.	1.61	1.73	2.79
0123	Add Extra labour for moulding : Mason (brick layer) 1st class 0.58x0.03	day	0.0174	487.00	8.47
0124	Mason (brick layer) 2nd class 0.58x0.03	day	0.0174	448.00	7.80
0115	Coolie 1.5x0.03	day	0.045	368.00	16.56
0101	Bhisti 0.06x0.03 Extra labour for laying CC in RCC	day	0.0018	407.00	0.73
0114	Beldar 0.1x0.03	day	0.003	368.00	1.10
0101	Bhisti 0.2x0.03	day	0.06	407.00	2.44
0123	Mason (brick layer) 1st class 0.04x0.03	day	0.0012	487.00	0.58
0124	Mason (brick layer) 2nd class 0.04x0.03	day	0.0012	448.00	0.54
0128	Mate 0.04x0.03	day	0.0012	407.00	0.49
	TOTAL				306.29
	Add 1 % Water charges on all except (A) i.e. on (306.29 - 247.56) = 58.73				0.59
	TOTAL				306.88
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (306.88 - 247.56) = 59.32				8.90
	Cost for 0.03 cum				315.78
	Cost for 1 cum.				10526.00
	Say				10526.00

5.15 Providing, 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) : 3 graded stone aggregate 20 mm nominal size)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for beam 6.60m long 0.50m deep and 0.30m wide = 6.60x0.50x0.30 = 0.99 cum. MATERIAL Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work Centring and shuttering	cum	0.99	5924.65	5865.40(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.3.1	Rate same as per item no. 4.3.1 Of SH: Concrete work Extra labour for lifting material upto floor V level	sqm	6.90	193.95	1338.26(A)
0115	Coolie LABOUR Extra labour for layin cement concrete in RCC work	day	1.11	368.00	408.48
0114	Beldar 0.10x0.99	day	0.099	368.00	36.43
0101	Bhisti 0.20x0.99	day	0.198	407.00	80.59
0123	Mason (brick layer) 1st class 0.04x0.99	day	0.0396	487.00	19.29
0124	Mason (brick layer) 2nd class 0.04x0.99	day	0.0396	448.00	17.74
0128	Mate 0.04x0.99	day	0.0396	407.00	16.12
9999	Cement mortar 1:3 for fixing	L.S.	89.70	1.73	155.18
9999	Labour for hoisting, Transporting and setting in position	L.S.	269.10	1.73	465.54
	TOTAL				8403.03
	Add 1 % Water charges on all except (A) i.e. on (8403.03 - 7203.66) = 1199.37				11.99
	TOTAL				8415.02
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8415.02 - 7203.66) = 1211.36				181.70
	Cost for 0.99 cum				8596.72
	Cost for 1 cum.				8683.55
	Say				8683.55

5.16 Providing, 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) : 3 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for on shelf 0.90x0.45x0.04m thick = 0.90x0.45x0.04m = 0.0162 cum Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.0162	5924.65	95.98(A)
13.18	Finishing Rate same as per item no. 13.18 of SH : Finishing Centring and shuttering:	sqm	0.85	42.60	36.21(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.3.1	Rate same as per item no. 4.3.1 of SH : concrete work 2x(0.90+0.45)x0.04 = 0.108 sqm Extra labour for lifting material upto floor V level	sqm	0.108	193.95	20.95(A)
0115	Coolie LABOUR Extra labour for laying cement concrete in RCC work due to delay etc.	day	0.018	368.00	6.62
0114	Beldar	day	0.016	368.00	5.89
0101	Bhisti	day	0.0032	407.00	1.30
0123	Mason (brick layer) 1st class	day	0.0006	487.00	0.29
0124	Mason (brick layer) 2nd class	day	0.006	448.00	0.27
0128	Mate	day	0.006	407.00	0.24
9999	Cement mortar 1:3 for fixing	L.S.	4.42	1.73	7.65
9999	Labour for hoisting, Transporting and setting in position	L.S.	13.52	1.73	23.39
	TOTAL				198.79
	Add 1 % Water charges on all except (A) i.e. on (198.79 - 153.14) = 45.65				0.46
	TOTAL				199.25
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (199.25 - 153.14) = 46.11				6.92
	Cost for 0.0162 cum				206.17
	Cost for 1 cum.				12726.54
	Say				12726.55

5.17 Providing, 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) : 3 graded stone aggregate 20 mm nominal size).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for 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 = 0.66 cum. MATERIAL Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.66	5924.65	3910.27(A)
4.3.1	Centering and shuttering Rate as per item no. 4.3.1 of SH: Concrete work	sqm	2.56	193.95	496.51(A)
0115	Extra labour for lifting material upto floor V level Coolie	day	0.75	368.00	276.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR Extra labour for laying cement concrete in RCC work due to delay etc.				
0114	Beldar	day	0.066	368.00	24.29
0101	Bhisti	day	0.132	407.00	53.72
0123	Mason (brick layer) 1st class	day	0.0264	487.00	12.86
0124	Mason (brick layer) 2nd class	day	0.0264	448.00	11.83
0128	Mate	day	0.0264	407.00	10.74
9999	Cement mortar 1:3 for fixing	L.S.	17.94	1.73	31.04
9999	Labour for hoisting, Transporting and setting in position	L.S.	71.76	1.73	124.14
9999	Sundries	L.S.	17.94	1.73	31.04
	TOTAL				4982.44
	Add 1 % Water charges on all except (A) i.e. on (4982.44 - 4406.78) = 575.66				5.76
	TOTAL				4988.20
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (4988.20 - 4406.78) = 581.42				87.21
	Cost for 0.66 cum				5075.41
	Cost for 1 cum.				7690.01
	Say				7690.00

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	235.00	352.50
9999	Mortar for fixing	L.S.	6.24	1.73	10.80
9988	Carriage and sundries	L.S.	6.20	1.73	10.73
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.30	487.00	146.10
0124	Mason (brick layer) 2nd class	day	0.30	448.00	134.40
0114	Beldar	day	1.08	368.00	397.44
	TOTAL				1051.97
	Add 1 % Water charges				10.52
	TOTAL				1062.49
	Add 15 % Contractor's profit and overheads				159.37
	Cost of 1.50 sqm.				1221.86
	Cost of 1 sqm.				814.57
	Say				814.55

5.18.2 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.2mx0.60m = 0.75 sqm.				
0769	Cement Concrete Jali 40 mm thick	sqm	0.75	200.00	150.00
9999	Mortar for fixing	L.S.	3.64	1.73	6.30
9988	Carriage and sundries	L.S.	3.64	1.73	6.30
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.12	487.00	58.44
0124	Mason (brick layer) 2nd class	day	0.12	448.00	53.76
0114	Beldar	day	0.50	368.00	184.00
	TOTAL				458.80
	Add 1 % Water charges				4.59
	TOTAL				463.39
	Add 15 % Contractor's profit and overheads				69.51
	Cost of 0.75sqm.				532.90
	Cost of 1 sqm.				710.53
	Say				710.55

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	165.00	61.88
9999	Mortar for fixing	L.S.	1.82	1.73	3.15
9988	Carriage and sundries	L.S.	1.82	1.73	3.15
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0124	Mason (brick layer) 2nd class	day	0.06	448.00	26.88
0114	Beldar	day	0.25	368.00	92.00
	TOTAL				216.28
	Add 1 % Water charges				2.16
	TOTAL				218.44
	Add 15 % Contractor's profit and overheads				32.77
	Cost of 0.375 sqm.				251.21
	Cost of 1 sqm.				669.89
	Say				669.90

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) : 3 graded stone aggregate 20 mm nominal size, 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-				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	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) Rate as per Item No.4.1.2 of SH: Concrete Work	cum	0.42	5924.65	2512.05(A)
0114	Extra labour for laying C.C. in RCC work Beldar	day	0.04	368.00	15.46
0101	Bhisti	day	0.09	407.00	34.60
0123	Mason (brick layer) 1st class	day	0.02	487.00	8.28
0124	Mason (brick layer) 2nd class	day	0.02	448.00	7.62
0128	Mate	day	0.02	407.00	6.92
5.9.5	Form work- 4.93x0.83 girth = 4.09 sqm. Rate as per item 5.9.5 of SH: Reinforced cement concrete work	sqm	4.09	342.90	1402.46(A)
9999	Sundries and for lifting materials TOTAL	L.S.	21.58	1.73	37.33
	Add 1 % Water charges on all except (A) i.e. on (4024.72 - 3914.51) = 110.21 TOTAL				4024.72
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (4025.82 - 3914.51) = 111.31				1.10
	Cost of 0.424 cum				4025.82
	Cost of 1 cum.				16.70
	Say				4042.52
					9534.24
					9534.25

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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
4.1.2	Details of cost for the grillage 3.50mx 3.50mx1.00m = 12.25 cum Cement concrete 1:1½:3 Rate as per Item No.4.1.2 of SH: Concrete Work	cum	12.25	5924.65	72576.96(A)
0114	Extra labour for laying C.C. in RCC work Beldar	day	1.225	368.00	450.80
0101	Bhisti	day	2.45	407.00	997.15
0123	Mason (brick layer) 1st class	day	0.49	487.00	238.63
0124	Mason (brick layer) 2nd class	day	0.49	448.00	219.52
0128	Mate	day	0.49	407.00	199.43
	Shuttering : 2(3.50+3.50)x1.00= 14.00 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.9.5	Rate as per item 5.9.5 of SH: Reinforced cement concrete work TOTAL Add 1 % Water charges on all except (A) i.e. on (79483.09 - 77377.56) = 2105.53 TOTAL Add 15 % Contractor's profit and overheads on all except (A) i.e. on (79504.15 - 77377.56) = 2126.59 Cost of 12.25 cum. Cost of 1 cum. Say	sqm	14.00	342.90	4800.60(A) 79483.09 21.06 79504.15 318.99 79823.14 6516.17 6516.15

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 Expanded 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 expanded metal	L.S.	13.52	1.73	23.39
9999	Wire for tying	L.S.	13.52	1.73	23.39
	Cost of bending and placing in position				
0102	Blacksmith 1st class	day	0.25	487.00	121.75
0114	Beldar	day	0.25	368.00	92.00
	TOTAL				3200.53
	Add 1 % Water charges				32.01
	TOTAL				3232.54
	Add 15 % Contractor's profit and overheads				484.88
	Cost of 10 sqm				3717.42
	Cost of 1 sqm.				371.74
	Say				371.75

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1004	Average rate of Mild steel round bars for reinforcements	quintal	1.05	3625.00	3806.25
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries and binding wire	L.S.	26.91	1.73	46.55
	TOTAL				4762.47
	Add 1 % Water charges				47.62
	TOTAL				4810.09
	Add 15 % Contractor's profit and overheads				721.51
	Cost of one quintal				5531.60
	Cost of 1 Kg.				55.31
	Say				55.30

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	4600.00	4830.00
2205	Carriage of Steel 1.05q = 0.105 tonne	tonne	0.105	92.24	9.69
	LABOUR				
	For cutting and laying in position etc.-				
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				5741.24
	Add 1 % Water charges				57.41
	TOTAL				5798.65
	Add 15 % Contractor's profit and overheads				869.80
	Cost of one quintal				6668.45
	Cost of 1 Kg.				66.68
	Say				66.70

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005	Twisted steel / deformed bars	quintal	1.05	3730.00	3916.50
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries and binding wire	L.S.	26.91	1.73	46.55
	TOTAL				4872.72
	Add 1 % Water charges				48.73
	TOTAL				4921.45
	Add 15 % Contractor's profit and overheads				738.22
	Cost of one quintal				5659.67
	Cost of 1 Kg.				56.59
	Say				56.60

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	3730.00	3916.50
2205	Carriage of Steel 1.05/10 = 0.105t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries and binding wire	L.S.	26.91	1.73	46.55
	TOTAL				4872.72
	Add 1 % Water charges				48.73
	TOTAL				4921.45
	Add 15 % Contractor's profit and overheads				738.22
	Cost of one quintal				5659.67
	Cost of 1 Kg.				56.59
	Say				56.60

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1021	Hard drawn steel wire fabric	sqm	13.548	400.00	5419.20
2205	Carriage 1.05q = 0.105 tonne	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For cutting and laying in position.				
0103	Blacksmith 2nd class	day	0.20	448.00	89.60
0114	Beldar	day	1.50	368.00	552.00
9999	Sundries and binding wire	L.S.	13.52	1.73	23.39
	TOTAL				6138.86
	Add 1 % Water charges				61.39
	TOTAL				6200.25
	Add 15 % Contractor's profit and overheads				930.04
	Cost of one quintal				7130.29
	Cost of 1 Kg.				71.30
	Say				71.30

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	3730.00	3916.50
2205	Carriage of steel 1.05/10 = 0.105t	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries and binding wire	L.S.	26.91	1.73	46.55
	TOTAL				4872.72
	Add 1 % Water charges				48.73
	TOTAL				4921.45
	Add 15 % Contractor's profit and overheads				738.22
	Cost of one quintal				5659.67
	Cost of 1 Kg.				56.59
	Say				56.60

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1004	Wastage 5% = 0.05 q Total = 1.05 q Average rate of Mild steel round bars for reinforcements	quintal	1.05	3625.00	3806.25
2205	Carriage of Steel NOS/ 10 = 0.105 t	tonne	0.105	92.24	9.69
9999	Cover block LABOUR For straightening, cutting, bending, binding and placing in position-	L.S.	26.00	1.73	44.98
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries and binding wire	L.S.	26.91	1.73	46.55
	TOTAL				4762.47
	Add 1 % Water charges				47.62
	TOTAL				4810.09
	Add 15 % Contractor's profit and overheads				721.51
	Cost of one quintal				5531.60
	Cost of 1 Kg.				55.31
	Say				55.30

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	4600.00	4830.00
2205	Carriage of Steel LABOUR For cutting and laying in position etc.-	tonne	0.105	92.24	9.69
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				5741.24
	Add 1 % Water charges				57.41
	TOTAL				5798.65
	Add 15 % Contractor's profit and overheads				869.80
	Cost of one quintal				6668.45
	Cost of 1 Kg.				66.68
	Say				66.70

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005	Twisted steel / deformed bars	quintal	1.05	3730.00	3916.50
2205	Carriage of Steel	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries and binding wire	L.S.	26.91	1.73	46.55
	TOTAL				4872.72
	Add 1 % Water charges				48.73
	TOTAL				4921.45
	Add 15 % Contractor's profit and overheads				738.22
	Cost of one quintal				5659.67
	Cost of 1 Kg.				56.59
	Say				56.60

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	3730.00	3916.50
2205	Carriage of Steel	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries and binding wire	L.S.	26.91	1.73	46.55
	TOTAL				4872.72
	Add 1 % Water charges				48.73
	TOTAL				4921.45
	Add 15 % Contractor's profit and overheads				738.22
	Cost of one quintal				5659.67
	Cost of 1 Kg.				56.59
	Say				56.60

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 = 0.645 sqm.				
	Total =13.548 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1021	Hard drawn steel wire fabric	sqm	13.548	400.00	5419.20
2205	Carriage of Steel	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For cutting and laying in position.				
0103	Blacksmith 2nd class	day	0.20	448.00	89.60
0114	Beldar	day	1.50	368.00	552.00
9999	Sundries and binding wire	L.S.	13.52	1.73	23.39
	TOTAL				6138.86
	Add 1 % Water charges				61.39
	TOTAL				6200.25
	Add 15 % Contractor's profit and overheads				930.04
	Cost of one quintal				7130.29
	Cost of 1 Kg.				71.30
	Say				71.30

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	3730.00	3916.50
2205	Carriage of Steel	tonne	0.105	92.24	9.69
9999	Cover block	L.S.	26.00	1.73	44.98
	LABOUR				
	For straightening, cutting, bending, binding and placing in position-				
0102	Blacksmith 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries and binding wire	L.S.	26.91	1.73	46.55
	TOTAL				4872.72
	Add 1 % Water charges				48.73
	TOTAL				4921.45
	Add 15 % Contractor's profit and overheads				738.22
	Cost of one quintal				5659.67
	Cost of 1 Kg.				56.59
	Say				56.60

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	4252.70	306.19
0155	Mason (average)	day	0.51	467.00	238.17

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.75	368.00	276.00
0101	Bhisti	day	0.92	407.00	374.44
9999	Extra for removing burrs, cleaning with wire brushes pock marking with pointed tool etc. complete	L.S.	13.39	1.73	23.16
9999	Scaffolding and Sundries	L.S.	11.70	1.73	20.24
	TOTAL				1238.20
	Add 1 % Water charges				12.38
	TOTAL				1250.58
	Add 15 % Contractor's profit and overheads				187.59
	Cost of 10 Sqm.				1438.17
	Cost per sqm.				143.81
	Say				143.80

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 10sqm. MATERIAL				
	Cement mortar 1:2 (1 Cement : 2 Coarse sand)				
3.7	Rate as per item No 3.7 of SH: Mortars	cum	0.03	5551.75	166.55
0367	Portland Cement	tonne	0.0213	5700.00	121.41
2209	Carriage of Cement	tonne	0.0213	92.24	1.96
	LABOUR				
0123	Mason (brick layer) 1st class	Day	0.20	487.00	97.40
0124	Mason (brick layer) 2nd class	Day	0.20	448.00	89.60
0114	Beldar	Day	0.25	368.00	92.00
9999	Spreading earth on floor (7.5mm thick)	L.S.	35.49	1.73	61.40
	Spreading sand 15mm thick on floor				
0983	Fine sand (zone IV)	cum	0.15	760.00	114.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.15	103.77	15.57
9999	Disposal of earth spread over floor protectIron	L.S.	5.33	1.73	9.22
9999	Sundries	L.S.	6.24	1.73	10.80
	TOTAL				779.91
	Add 1 % Water charges				7.80
	TOTAL				787.71
	Add 15 % Contractor's profit and overheads				118.16
	Cost of 10 Sqm.				905.87
	Cost per sqm.				90.58
	Say				90.60

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	kilogram	10.56	280.00	2956.80
	LABOUR				
0103	Blacksmith 2nd class	day	0.25	448.00	112.00
9999	Sundries	L.S.	6.24	1.73	10.80
	TOTAL				3079.60
	Add 1 % Water charges				30.80
	TOTAL				3110.40
	Add 15 % Contractor's profit and overheads				466.56
	Cost of 10.56 kg				3576.96
	Cost per kg.				338.72
	Say				338.70

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. 1.25x1050kg = 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	34561.00	42855.64
2211	Carriage of Tar/ bitumen	tonne	1.24	103.77	128.67
0370	Coal (steam)	quintal	0.248	400.00	99.20
	For heating of bitumen @ 2.0 quintal per tonne of bitumen. 1.240x2.0=2.48q=0.248t				
	LABOUR				
	Labour for heating, mixing and filling-				
0123	Mason (brick layer) 1st class	day	2.52	487.00	1227.24
0124	Mason (brick layer) 2nd class	day	2.52	448.00	1128.96
0114	Beldar	day	8.06	368.00	2966.08
9999	Sundries	L.S.	121.16	1.73	209.61
	TOTAL				48615.40
	Add 1 % Water charges				486.15
	TOTAL				49101.55
	Add 15 % Contractor's profit and overheads				7365.23
	Cost for 1.125 cum				56466.78
	cost for 1.00cum				50192.69
	Say				50192.70

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 a joint of 300m length 2.5cm width and 15cm depth = 1.125 cum Cubical content of joints- 300x0.150x0.025=1.125cum. MATERIAL Bitumen S-90 = 256.30 kg per cum. 256.30x1.125 = 288.34 kg. Add for wastage @ 5% = 14.42 kg. Total = 302.76 kg. or = 0.303 tonne.				
0309	Paving bitumen VG-10 of approved quality	tonne	0.303	29600.00	8968.80
2211	Carriage of Tar bitumen	tonne	0.303	103.77	31.44
0370	Coal (steam) for heating of bitumen @ 2.0 quintal per tonne of bitumen, i.e. 0.303x2.0=0.606q	quintal	0.606	400.00	242.40
2200	Carriage of steam coal	tonne	0.061	118.59	7.23
0367	Portland Cement 1/80x228.34=3.6 kg = 0.0036 Tonne	tonne	0.0036	5700.00	20.52
2209	Carriage of Cement	tonne	0.0036	92.24	0.33
0982	Coarse sand (zone III) 1/4th of the quantity of cement in kg = 3.6/4= 0.90 cum	cum	0.90	1200.00	1080.00
2203	Carriage of Coarse sand	cum	0.90	103.77	93.39
	LABOUR Labour for heating and filling :				
0123	Mason (brick layer) 1st class	day	2.52	487.00	1227.24
0124	Mason (brick layer) 2nd class	day	2.52	448.00	1128.96
0114	Beldar	day	8.06	368.00	2966.08
9999	Sundries	L.S.	121.16	1.73	209.61
	TOTAL				15976.00
	Add 1 % Water charges				159.76
	TOTAL				16135.76
	Add 15 % Contractor's profit and overheads				2420.36
	Cost for 1.125 cum				18556.12
	cost for 1.00cum				16494.33
	Say				16494.35

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 (ii) Primere 80m/litter 100m=100/80 x1=1.25 lit	sqm	7.50	350.00	2625.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0316	Bitumen solution primer of approved quality (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	litre	1.25	50.00	62.50
0314	Bitumen hot sealing compound : grade A	kilogram	31.50	28.00	882.00
9977	Carriage LABOUR	L.S.	26.91	1.73	46.55
0123	Mason (brick layer) 1st class	day	0.12	487.00	58.44
0124	Mason (brick layer) 2nd class	day	0.12	448.00	53.76
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				3866.80
	Add 1 % Water charges				38.67
	TOTAL				3905.47
	Add 15 % Contractor's profit and overheads				585.82
	Cost for 100m long 10cm deep				4491.29
	Cost per cm depth per 100m long				449.12
	Say				449.10

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

5.29.1 Non-asbestos fibre cement board 6 mm thick as per IS: 14862.

5.29.1.1 150mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0236	Details of cost for 3m length MATERIAL Non - Asbestos multi purpose fibre (high impact poly propylene reinforced) cement board 6mm thick.	sqm	0.47	210.00	98.70
2273	Carriage of A.C.sheet and accessories 0.45sqm = 0.0049 tonne	tonne	0.0049	92.24	0.45
9999	50mm iron screws with washer and rawl plugs LABOUR	L.S.	40.30	1.73	69.72
0112	Carpenter 2nd class	day	0.20	448.00	89.60
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				332.07
	Add 1 % Water charges				3.32
	TOTAL				335.39
	Add 15 % Contractor's profit and overheads				50.31
	Cost for 3m				385.70
	Cost per meter				128.56
	Say				128.55

5.29.1.2 200mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3m length				
	MATERIAL				
0236	Non - Asbestos multi purpose fibre (high impact poly propylene reinforced) cement board 6mm thick.	sqm	0.63	210.00	132.30
2273	Carriage of A.C.sheet and accessories 0.60sqm. = 0.0065 tonne	tonne	0.0065	92.24	0.60
9999	50mm iron screws with washer and rawl plugs	L.S.	53.82	1.73	93.11
	LABOUR				
0112	Carpenter 2nd class	day	0.27	448.00	120.96
0114	Beldar	day	0.27	368.00	99.36
	TOTAL			446.33	
	Add 1 % Water charges				4.46
	TOTAL				450.79
	Add 15 % Contractor's profit and overheads				67.62
	Cost for 3m				518.41
	Cost per meter				172.80
	Say				172.80

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 meter				
	MATERIAL				
2391	Strips-Aluminium fluted 3.15mm thick and 150mm wide	metre	1.00	228.00	228.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.06	37.00	2.22
9977	Carriage of materials	L.S.	1.04	1.73	1.80
	LABOUR				
0112	Carpenter 2nd class	day	0.067	448.00	30.02
0114	Beldar	day	0.067	368.00	24.66
9999	Sundries	L.S.	1.82	1.73	3.15
	TOTAL				289.85
	Add 1 % Water charges				2.90
	TOTAL				292.75
	Add 15 % Contractor's profit and overheads				43.91
	Cost for 1 metre				336.66
	Say				336.65

5.29.2.2 200 mm wide

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 meter				
	MATERIAL				
2392	Strips Aluminium fluted 3.15mm thick and 200mm wide metre	Metre	1.00	323.00	323.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.06	37.00	2.22
9977	Carriage of materials	L.S.	1.30	1.73	2.25
	LABOUR				
0112	Carpenter 2nd class	day	0.089	448.00	39.87
0114	Beldar	day	0.089	368.00	32.75
9999	Sundries	L.S.	2.34	1.73	4.05
	TOTAL				404.14
	Add 1 % Water charges				4.04
	TOTAL				408.18
	Add 15 % Contractor's profit and overheads				61.23
	Cost for 1 metre				469.41
	Say				469.40

5.29.3 Non-asbestos 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:				
0238	Multi purpose cement bonded wood particle board 6 mm thick	sqm	0.47	205.00	96.35
2273	Carriage of board and accessories 0.45sqm = 0.0049 tonne	tonne	0.005	92.24	0.46
9999	50mm iron screws with washer and rawl plugs	L.S	40.30	1.73	69.72
	LABOUR:				
0112	Carpenter 2nd class	day	0.20	448.00	89.60
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				329.73
	Add Water Charges @ 1%				3.30
	TOTAL				333.03
	Add CPOH @ 15%				49.95
	Cost of 3 metre				382.98
	Cost of 1 metre				127.66
	Say				127.65

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	205.00	129.15
2273	Carriage of board and accessories 0.60sqm = 0.0060 tonne	tonne	0.0065	92.24	0.60
9999	50mm iron screws with washer and rawl plugs	L.S	53.82	1.73	93.11

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR: Carpenter 2nd class	day	0.27	448.00	120.96
0114	Beldar	day	0.27	368.00	99.36
	TOTAL				443.18
	Add Water Charges @ 1%				4.43
	TOTAL				447.61
	Add CPOH @ 15%				67.14
	Cost of 3 metre				514.75
	Cost of 1 metre				171.58
	Say				171.60

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 (brick layer) 1st class	day	0.50	487.00	243.50
0124	Mason (brick layer) 2nd class	day	0.50	448.00	224.00
0115	Coolie	day	1.00	368.00	368.00
9999	Add for materials (cement mortar etc.)	L.S.	26.91	1.73	46.55
	TOTAL				882.05
	Add 1 % Water charges				8.82
	TOTAL				890.87
	Add 15 % Contractor's profit and overheads				133.63
	Cost for 30 metre				1024.50
	Cost per meter				34.15
	Say				34.15

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 ₹
0011	Details of cost for depth of water 0.30m. Quantity of concrete = 14 cum. Analysis same as per item number 4.15 pumping hours = 3 hrs. or 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour. for cleaning slush	day	0.375	650.00	243.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	4.00	368.00	1472.00
	TOTAL				1715.75
	Add 1 % Water charges				17.16
	TOTAL				1732.91
	Add 15 % Contractor's profit and overheads				259.94
	Cost of 14cum. per 0.30m depth				1992.85
	Cost of cum. per m depth				474.48
	Say				474.50

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 (brick layer) 1st class	day	0.02	487.00	9.74
0124	Mason (brick layer) 2nd class	day	0.02	448.00	8.96
0114	Beldar	day	0.25	368.00	92.00
0115	Coolie	day	0.15	368.00	55.20
	TOTAL				165.90
	Add 1 % Water charges				1.66
	TOTAL				167.56
	Add 15 % Contractor's profit and overheads				25.13
	Cost for 1 cum.				192.69
	Say				192.70

5.33 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.“(Note :- Cement content considered in this item is @ 330 kg/cum. “Excess/ less cement used as per design mix is payable/recoverable separately).

5.33.1 All works upto plinth level

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	1300.00	741.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1300.00	364.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1200.00	510.00
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	0.33	5700.00	1881.00
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	1.65	38.00	62.70
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	LABOUR				
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	Total				5550.12
	Add 1 % Water charges				55.50
	Total				5605.62
	Add 15 % Contractor's profit and overheads				840.84
	Cost per 1.00 cum				6446.46
	Say				6446.45

5.33.2 All works above plinth level upto floor V level

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	1300.00	741.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1300.00	364.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1200.00	510.00
2203	Carriage of Coarse sand	cum	0.425	5700.00	1881.00
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	1.65	38.00	62.70
	Production cost, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (Extra labour for lifting material upto floor V level : = 0.75 x 2.5 = 1.88)	L.S.	13.00	1.73	22.49
0115	Coolie	day	1.88	368.00	691.84
	Total				6241.96
	Add 1 % Water charges				62.42
	Total				6304.38
	Add 15 % Contractor's profit and overheads				945.66
	Cost per 1.00 cum				7250.04
	Say				7250.05

5.34 Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately.

5.34.1 Providing M-30 grade concrete instead of M-25 grade BMC/ RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. Cement for M-30 mix = 0.340 t Cement for M-25 mix = 0.330 t Difference = 0.010 t				
0367	Portland Cement	tonne	0.01	5700.00	57.00
2209	Carriage of Cement	tonne	0.01	92.24	0.92
	Plasticizer for M-30 mix = 1.70 Kg Plasticizer for M-25 mix = 1.65 Kg Difference = 0.05 kg				
7318	Plasticizer / super plasticizer	kilogram	0.05	38.00	1.90
	TOTAL				59.82
	Add 1 % Water charges				0.60
	TOTAL				60.42
	Add 15 % Contractor's profit and overheads				9.06
	Cost per cum.				69.48
	Say				69.50

5.34.2 Providing M-35 grade concrete instead of M-25 grade BMC/ RMC. (Note : Cement content considered in M-35 is @ 350 kg/ cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. Cement for M-35 mix = 0.350 t Cement for M-25 mix = 0.330 t Difference 0.020 t				
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.02	92.24	1.84
	Plasticizer for M-35 mix = 1.75 Kg Plasticizer for M-25mix = 1.65 Kg Difference = 0.10 kg				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7318	Plasticizer / super plasticizer	kilogram	0.10	38.00	3.80
	TOTAL				119.64
	Add 1 % Water charges				1.20
	TOTAL				120.84
	Add 15 % Contractor's profit and overheads				18.13
	Cost per cum.				138.97
	Say				138.95

5.34.3 Providing M-40 grade concrete instead of M-25 grade BMC/ RMC.(Note : Cement content considered in M-40 is @ 360 kg/ cum)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 cum. Cement for M-40 mix = 0.360 t Cement for M-25 mix = 0.330 t Difference = 0.030 t				
0367	Portland Cement	tonne	0.03	5700.00	171.00
2209	Carriage of Cement	tonne	0.03	92.24	2.77
	Plasticizer for M-40 mix = 1.80 Kg Plasticizer for M-25 mix = 1.65 Kg Difference = 0.15 kg				
7318	Plasticizer / super plasticizer	kilogram	0.15	38.00	5.70
	TOTAL				179.47
	Add 1 % Water charges				1.79
	TOTAL				181.26
	Add 15 % Contractor's profit and overheads				27.19
	Cost per cum.				208.45
	Say				208.45

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	5700.00	570.00
2209	Carriage of Cement	tonne	0.10	92.24	9.22
	TOTAL				579.22
	Add 1 % Water charges				5.79
	TOTAL				585.01
	Add 15 % Contractor's profit and overheads				87.75
	Cost per quintal				672.76
	Say				672.75

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) : 3 graded stone aggregate 10 mm nominal size), 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 ₹
5.2.2	<p>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. Rate as per item no 5.2.2 of SH : RCC</p>	cum	1.38	7145.80	9861.20(A)
5.9.15	<p>(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. Rate as per item no 5.9.15 of SH : RCC</p>	sqm	45.86	193.95	8894.55(A)
10.2	<p>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 Rate as per item no 10.2 of SH : Steel work</p>	kg	9.00	67.60	608.40(A)
9988	(iii) 10mm dia. Bolts 60mm long with nuts and washers 2x2 = 4 Nos. including carriage of bolts	L.S.	13.00	1.73	22.49
9999	Sundries	L.S.	79.95	1.73	138.31
	(iv) Transportation and erection labour for 20 units				
0126	Mason (for ornamental stone work) 1st class	day	1.00	487.00	487.00
0114	Beldar	day	6.00	368.00	2208.00
	(v) Cost of pointing flush or deep ruled in cement mortar 1:2 (1 Cement : 2 fine sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.35.1	Rate as per item no 13.35.1 of SH : Finishing TOTAL Add 1 % Water charges on all except (A) i.e. on (23792.08 - 20936.28) = 2855.80 TOTAL Add 15 % Contractor's profit and overheads on all except (A) i.e. on (23820.64 - 20936.28) = 2884.36 Total for 20 units Cost for 1.38 cum. Cost for 1 cum. Say	sqm	16.54	95.05	1572.13(A) 23792.08 28.56 23820.64 432.65 24253.29 24253.29 17574.84 17574.85

5.37 Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.

(Note :- Cement content considered in this item is @ 330 kg/cum.Excess/less cement used as per design mix is payable/recoverable separately).

5.37.1 All works upto plinth level

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	1300.00	741.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1300.00	364.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1200.00	510.00
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement	tonne	0.33	5700.00	1881.00
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	1.65	38.00	62.70
0004	Production cost, carriage to site, pumping to respective floors and laying in position Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Labour for pouring, consolidating & curing Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	Total				5780.12
	Add 1 % Water charges				57.80
	Total				5837.92
	Add 15 % Contractor's profit and overheads				875.69
	Cost per 1.00 cum				6713.61
	Say				6713.60

5.37.2 All works above plinth level upto floor V level

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	1300.00	741.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.28	1300.00	364.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.85	103.77	88.20
0982	Coarse sand (zone III)	cum	0.425	1200.00	510.00
2203	Carriage of Coarse sand	cum	0.425	103.77	44.10
0367	Portland Cement	tonne	0.33	5700.00	1881.00
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer 0.50% of cement	kilogram	1.65	38.00	62.70
	Production cost, carriage to site, pumping to respective floors and laying in position				
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	Labour for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	(Extra labour for lifting material upto floor V level : = 0.75 x 2.5 = 1.88)				
0115	Coolie	day	1.88	368.00	691.84
	Total				6471.96
	Add 1 % Water charges				64.72
	Total				6536.68
	Add 15 % Contractor's profit and overheads				980.50
	Cost per 1.00 cum				7517.18
	Say				7517.20

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 ₹
0009	Details of cost for 1 cum MATERIAL Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	Total				200.00
	Add 1 % Water charges				2.00
	Total				202.00
	Add 15 % Contractor's profit and overheads				30.30
	Cost for 1 cum				232.30
	Say				232.30

5.40 Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using fly ash and cement content as per approved design mix, and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering, finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. NOTE- (1) Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 in the items of BMC and RMC.

5.40.1 All works up to Plinth level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0293	Details of cost for 1.00 cum MATERIAL Stone Aggregate (Single size) : 40 mm nominal size	cum	0.65	1250.00	812.50
	(0.70 - 7.5% for voids i.e. 0.05 = 0.65 cum)				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1200.00	444.00
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	8.00	1.68
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.33	5700.00	1881.00
2209	Carriage of Cement	tonne	0.33	92.24	30.44

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.65	38.00	62.70
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00
	LABOUR for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	Total				5761.39
	Add 1 % Water charges				57.61
	Total				5819.00
	Add 15 % Contractor's profit and overheads				872.85
	Cost per 1.00 cum				6691.85
	Say				6691.85

5.40.2 All works above plinth & up to floor V level.

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	1250.00	812.50
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.24	1300.00	312.00
2206	Carriage of Stone aggregate 40 mm nominal size and above	cum	0.65	112.79	73.31
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.24	103.77	24.90
0982	Coarse sand (zone III)	cum	0.37	1200.00	444.00
2203	Carriage of Coarse sand	cum	0.37	103.77	38.39
1980	Flyash	cum	0.21	8.00	1.68
2262	Carriage of Flyash	cum	0.21	103.77	21.79
0367	Portland Cement	tonne	0.33	5700.00	1881.00
2209	Carriage of Cement	tonne	0.33	92.24	30.44
7318	Plasticizer / super plasticizer Production cost, pumping to respective floors and laying in position	kilogram	1.65	38.00	62.70
0004	Production cost of concrete by batch mix plant.	cum	1.00	400.00	400.00
0029	Carriage of concrete by transit mixer.	km/ cum	10.00	23.00	230.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	1.00	200.00	200.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
	for pouring, consolidating & curing				
0155	Mason (average)	day	0.17	467.00	79.39
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.90	407.00	366.30
0012	Vibrator(Needle type 40mm)	day	0.07	350.00	24.50
9999	Sundries	L.S.	13.00	1.73	22.49
	(Extra labour for lifting material upto floor V level : = 0.75 x 2.5 = 1.88)				
0115	Coolie	Day	1.88	368.00	691.84
	Total				6453.23
	Add 1 % Water charges				64.53
	Total				6517.76
	Add 15 % Contractor's profit and overheads				977.66
	Cost per 1.00 cum				7495.42
	Say				7495.40

5.41 Supplying and applying pre tested and approved water based concrete curing compound to concrete/ masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge.

5.41.1 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	30.00	60.00
9977	Carriage of material	L.S.	1.00	1.73	1.73
	LABOUR				
0131	Painter	day	0.33	448.00	147.84
0114	Beldar	day	0.17	368.00	62.56
9999	Sundries, Brush	L.S.	3.00	1.73	5.19
	TOTAL				277.32
	Add 1 % Water charges				2.77
	TOTAL				280.09
	Add 15 % Contractor's profit and overheads				42.01
	Cost of 10 sqm				322.10
	Cost of 1 sqm				32.21
	Say				32.20

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	67.00	67.00
	LABOUR				
9999	For placing in position and fixing	L.S.	3.77	1.73	6.52
9999	Tapard/Parallel threading charges	L.S.	17.77	1.73	30.74
	TOTAL				104.26
	Add 1 % Water charges				1.04
	TOTAL				105.30
	Add 15 % Contractor's profit and overheads				15.80
	Total				121.10
	Cost of 1 no				121.10
	Say				121.10

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	88.00	88.00
	LABOUR				
9999	For placing in position and fixing	L.S.	5.90	1.73	10.21
9999	Tapard/Parallel threading charges	L.S.	25.17	1.73	43.54
	TOTAL				141.75
	Add 1 % Water charges				1.42
	TOTAL				143.17
	Add 15 % Contractor's profit and overheads				21.48
	Total				164.65
	Cost of 1 no				164.65
	Say				164.65

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	130.00	130.00
	LABOUR				
9999	For placing in position and fixing	L.S.	8.69	1.73	15.03
9999	Tapard/Parallel threading charges	L.S.	29.61	1.73	51.23
	TOTAL				196.26
	Add 1 % Water charges				1.96
	TOTAL				198.22
	Add 15 % Contractor's profit and overheads				29.73
	Total				227.95
	Cost of 1 no				227.95
	Say				227.95

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	192.00	192.00
	LABOUR				
9999	For placing in position and fixing	L.S.	12.84	1.73	22.21
9999	Tapard/Parallel threading charges	L.S.	32.57	1.73	56.35
	TOTAL				270.56
	Add 1 % Water charges				2.71
	TOTAL				273.27
	Add 15 % Contractor's profit and overheads				40.99
	Total				314.26
	Cost of 1 no				314.26
	Say				314.25

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	231.00	231.00
	LABOUR				
9999	For placing in position and fixing	L.S.	15.48	1.73	26.78
9999	Tapard/Parallel threading charges	L.S.	32.57	1.73	56.35
	TOTAL				314.13
	Add 1 % Water charges				3.14
	TOTAL				317.27
	Add 15 % Contractor's profit and overheads				47.59
	Total				364.86
	Cost of 1 no				364.86
	Say				364.85

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	275.00	440.00
8647	Stainless steel screws 30mm x4mm.	100 nos	0.06	32.00	1.92
9977	Carriage of material	L.S.	1.30	1.73	2.25
	LABOUR				
0103	Blacksmith 2nd class	day	0.067	448.00	30.02
0114	Beldar	day	0.067	368.00	24.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	2.34	1.73	4.05
	TOTAL				502.90
	Add 1 % Water charges				5.03
	TOTAL				507.93
	Add 15 % Contractor's profit and overheads				76.19
	Total				584.12
	Cost of 1 metre				584.12
	Say				584.10

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	275.00	660.00
8647	Stainless steel screws 30mm x4mm.	100 nos	0.06	32.00	1.92
9977	Carriage of material	L.S.	1.30	1.73	2.25
	LABOUR				
0103	Blacksmith 2nd class	day	0.067	448.00	30.02
0114	Beldar	day	0.067	368.00	24.66
9999	Sundries	L.S.	2.34	1.73	4.05
	TOTAL				722.90
	Add 1 % Water charges				7.23
	TOTAL				730.13
	Add 15 % Contractor's profit and overheads				109.52
	Total				839.65
	Cost of 1 metre				839.65
	Say				839.65

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 a 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 confirm 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	3100.00	3100.00
2402	Epoxy adhesive	kg	4.25	150.00	637.50
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				4081.83
	Add 1 % Water charges				40.82
	TOTAL				4122.65
	Add 15 % Contractor's profit and overheads				618.40
	Cost of 1 metre.				4741.05
	Say				4741.05

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	4000.00	4000.00
2402	Epoxy adhesive	kg	4.50	150.00	675.00
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				5019.33
	Add 1 % Water charges				50.19
	TOTAL				5069.52
	Add 15 % Contractor's profit and overheads				760.43
	Cost of 1 metre.				5829.95
	Say				5829.95

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	5400.00	5400.00
2402	Epoxy adhesive	kg	4.75	150.00	712.50
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				6456.83
	Add 1 % Water charges				64.57
	TOTAL				6521.40
	Add 15 % Contractor's profit and overheads				978.21
	Cost of 1 metre.				7499.61
	Say				7499.60

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 confirm 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	2400.00	2400.00
2402	Epoxy adhesive	kg	4.25	150.00	637.50
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				3381.83
	Add 1 % Water charges				33.82
	TOTAL				3415.65
	Add 15 % Contractor's profit and overheads				512.35
	Cost of 1 metre.				3928.00
	Say				3928.00

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	2800.00	2800.00
2402	Epoxy adhesive	kg	4.50	150.00	675.00
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				3819.33
	Add 1 % Water charges				38.19
	TOTAL				3857.52
	Add 15 % Contractor's profit and overheads				578.63
	Cost of 1 metre.				4436.15
	Say				4436.15

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	3400.00	3400.00
2402	Epoxy adhesive	kg	4.75	150.00	712.50
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				4456.83
	Add 1 % Water charges				44.57
	TOTAL				4501.40
	Add 15 % Contractor's profit and overheads				675.21
	Cost of 1 metre.				5176.61
	Say				5176.60

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 arrangement support plates asper 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 a 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 confirm 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	2800.00	2800.00
2402	Epoxy adhesive	kg	4.25	150.00	637.50
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				3781.83
	Add 1 % Water charges				37.82
	TOTAL				3819.65
	Add 15 % Contractor's profit and overheads				572.95
	Cost of 1 metre.				4392.60
	Say				4392.60

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	3200.00	3200.00
2402	Epoxy adhesive	kg	4.50	150.00	675.00
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				4219.33
	Add 1 % Water charges				42.19
	TOTAL				4261.52
	Add 15 % Contractor's profit and overheads				639.23
	Cost of 1 metre.				4900.75
	Say				4900.75

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	4000.00	4000.00
2402	Epoxy adhesive	kg	4.75	150.00	712.50
9977	Carriage	L.S.	124.90	1.73	216.08
	LABOUR :				
0102	Blacksmith 1st class	day	0.05	487.00	24.35
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				5056.83
	Add 1 % Water charges				50.57
	TOTAL				5107.40
	Add 15 % Contractor's profit and overheads				766.11
	Cost of 1 metre.				5873.51
	Say				5873.50

5.47 Providing and fixing in position factory made precast RCC M-40 fixing with hold fast embedded in 1:3:6 concrete block for doors and windows frames 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 meter correct to two places of decimal.

5.47.1 Door frame 125 mmx 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1 of SH: REINFORCED CEMENT CONCRETE	cum	0.039	6446.45	251.41(P)
5.34.3	Rate as per Item No.5.34.3 of SH:REINFORCED CEMENT CONCRETE Extra for scatter and smaller work @25 % (P + Q) x 0.25 = (251.41+8.13) x 0.25	cum	0.039	208.45	8.13(Q) 64.89
1005	Twisted steel/ deformed bars	quintal	0.0468	3730.00	174.56
0596	Bright finished or black enameled mild steel butt hinges 75x47x1.70 mm	10 Nos	0.60	60.00	36.00
4.3.3	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	1.27	467.85	594.17(A)
14.2.1	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	each	1.00	852.70	852.70(A)
13.48.2	Rate as per Item No.13.48.2 of SH. FINISHING	sqm	1.27	88.60	112.52(A)
9999	Sundries	L.S.	100.67	1.73	174.16
	TOTAL				2268.54
	Add 1 % Water charges on all except (A) i.e. on (2268.54 - 1818.93) = 449.61				4.50
	TOTAL				2273.04
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2273.04 - 1818.93) = 454.11				68.12
	Cost of 5.20 metre				2341.16
	Cost of 1 metre				450.22
	Say				450.20

5.47.2 Door frame 100 mmx 60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1 of SH: REINFORCED CEMENT CONCRETE	cum	0.031	6446.45	199.84(P)
5.34.3	Rate as per Item No.5.34.3 of SH: REINFORCED CEMENT CONCRETE Extra for scatter and smaller work @25 % (P + Q) x 0.25 = (199.84 + 6.46) x 0.25	cum	0.031	208.45	6.46(Q) 51.58

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1005 0596	Twisted steel/ deformed bars Bright finished or black enameled mild steel butt hinges 75x47x1.70 mm	quintal 10 Nos	0.0372 0.60	3730.00 60.00	138.76 36.00
4.3.3	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	1.14	467.85	533.35(A)
14.2.1	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	each	1.00	852.70	852.70(A)
13.48.2 9999	Rate as per Item No.13.48.2 of SH. FINISHING Sundries TOTAL	sqm L.S.	1.14 100.67	88.60 1.73	101.00(A) 174.16 2093.85
	Add 1 % Water charges on all except (A) i.e. on (2093.85 - 1693.35) = 400.50 TOTAL				4.01 2097.86
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2097.86 - 1693.35) = 404.51 Cost of 5.20 metre Cost of 1 metre Say				60.68 2158.54 415.10 415.10

5.47.3 Door frame 85 mmx60 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.1	Details of cost for 5.20 metre. MATERIAL Rate as per Item No.5.33.1 of SH: REIN- FORCED CEMENT CONCRETE	cum	0.027	6446.45	174.05 (P)
5.34.2	Rate as per Item No.5.34.2 of SH: REINFORCED CEMENT CONCRETE Extra for scatter and smaller work @25 % (P + Q) x 0.25 = (174.05 + 3.75) x 0.25	cum	0.027	138.95	3.75 (Q) 44.45
1005 0596	Twisted steel/ deformed bars Bright finished or black enameled mild steel butt hinges 75x47x1.70 mm	quintal 10 Nos	0.0324 0.60	3730.00 60.00	120.85 36.00
4.3.3	Rate as per Item No.4.3.3 of SH: CONCRETE WORK	sqm	1.07	467.85	500.60 (A)
14.2.1	Rate as per Item No.14.2.1 of SH: REPAIRS TO BUILDINGS	each	1.00	852.70	852.70 (A)
13.48.2 9999	Rate as per Item No.13.48.2 of SH. FINISHING Sundries TOTAL	sqm L.S.	1.07 100.67	88.60 1.73	94.80 (A) 174.16 2001.36
	Add 1 % Water charges on all except (A) i.e. on (2001.36 - 1625.90) = 375.46 TOTAL				3.75 2005.11
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2005.11 - 1625.90) = 379.21 Cost of 5.20 metre Cost of 1 metre Say				56.88 2061.99 396.53 396.55

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 ₹
5.48X	Detail of cost for 120 cum. MATERIAL Sub Analysis no 5.48X (Annexure) for item 5.48.1 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 $P \times 11 / 100 = 608808.70 \times 11 / 100$ Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift $P \times 1.4 / 100 = 608808.70 \times 1.4 / 100$ TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost of 120 cum Rate of 1 cum Say	each	1.00	608808.70	608808.70(P)
					66968.96
					8523.32
					684300.98
					6843.01
					691143.99
					103671.60
					794815.59
					6623.46
					6623.45

5.48.2 Reinforced Cement Concrete -M-60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48Y	Detail of cost for 120 cum. MATERIAL Sub Analysis no 5.48Y (Annexure) for item 5.48.2 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 $P \times 11 / 100 = 709546.30 \times 11 / 100$ Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift	each	1.00	709546.30	709546.30(P)
					78050.09

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	P x 1.4 /100 = 709546.30 x 1.4 /100				9933.65
	TOTAL				797530.04
	Add 1 % Water charges				7975.30
	TOTAL				805505.34
	Add 15 % Contractor's profit and overheads				120825.80
	Cost of 120 cum				926331.14
	Rate of 1 cum				7719.42
	Say				7719.40

5.48.3 Extra for using M -50/ M60 Grade Self-compacting Cement Concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48	Detail of cost for 1 cum. MATERIAL Sub Analysis no 5.48 (Annexure) for sub analysis 5.48.3X	each	1.00	8369.95	8369.95
5.48.2	Rate as per Item No.5.48.2 of SH: REINFORCED CEMENT CONCRETE	cum	-1.00	7719.40	-7719.40
	TOTAL				650.55
	Rate of 1 cum				650.55
	Say				650.55

5.48.3X M 60 grade Self-compacting Reinforced Cement Concrete

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.48Z	Detail of cost for 120 cum. MATERIAL Sub Analysis no 5.48Z (Annexure) for sub analysis 5.48.3X 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 = 769342.10 x 11 /100	each	1.00	769342.10	769342.10(P)
	Add 1.4 per cent of cost of material, Labour and machinery excluding formwork to cater for extra lift P x 1.4 /100 = 769342.10 x 1.4 /100				84627.63
	TOTAL				10770.79
	Add 1 % Water charges				864740.52
	TOTAL				8647.41
	Add 15 % Contractor's profit and overheads				873387.93
	Cost of 120 cum				131008.19
	Rate of 1 cum				1004396.12
	Say				8369.96
					8369.95

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	5700.00	328320.00
0982	Coarse sand (zone III)	cum	54.00	1200.00	64800.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	64.80	1300.00	84240.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	43.20	1300.00	56160.00
7318	Plasticizer / super plasticizer	kilogram	223.20	38.00	8481.60
	LABOUR :				
0128	Mate	day	0.94	407.00	382.58
0123	Mason (brick layer) 1 st class	day	3.50	487.00	1704.50
0114	Beldar	day	20.00	368.00	7360.00
	MACHINERY :				
0066	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2500.00	4000.00
0070	Generator 100 KVA/125 KVA	hour	1.60	300.00	480.00
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	800.00	1280.00
0029	Carriage of concrete by transit mixer	km/cum	1200.00	23.00	27600.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	200.00	24000.00
	TOTAL				608808.68
	Cost of each lot of 120 cum.				608808.68
	Say				608808.70

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	5700.00	328320.00
0982	Coarse sand (zone III)	cum	54.98	1200.00	65976.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	57.54	1300.00	74802.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	38.22	1300.00	49686.00
7318	Plasticizer / super plasticizer	kilogram	230.40	38.00	8755.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8953	Micro Silica	kg	3600.00	32.00	115200.00
	LABOUR :				
0128	Mate	day	0.94	407.00	382.58
0123	Mason (brick layer) 1 st class	day	3.50	487.00	1704.50
0114	Beldar	day	20.00	368.00	7360.00
	MACHINERY :				
0066	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2500.00	4000.00
0070	Generator 100 KVA/125 KVA	hour	1.60	300.00	480.00
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	1.60	800.00	1280.00
	Distance = 10 km Qty= 120.00 cum Total = 120.00x 10= 1200				
0029	Carriage of concrete by transit mixer	km/cum	1200.00	23.00	27600.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	200.00	24000.00
	TOTAL				709546.28
	TOTAL				709546.28
	Cost of each.				709546.28
	Say				709546.30

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 Concrete Pump Unit ; cum Taking Output = 120 cum				
	MATERIALS :				
0367	Portland Cement	tonne	57.60	5700.00	328320.00
0982	Coarse sand (zone III)	cum	54.00	1200.00	64800.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	64.80	1300.00	84240.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	43.20	1300.00	56160.00
7318	Plasticizer / super plasticizer	kilogram	230.40	38.00	8755.20
8953	Micro Silica	kg	5040.00	32.00	161280.00
	LABOUR :				
0128	Mate	day	0.84	407.00	341.88
0123	Mason (brick layer) 1 st class	day	3.00	487.00	1461.00
0114	Beldar	day	18.00	368.00	6624.00
	MACHINERY :				
0066	Batching and Mixing Plant @ 75 cum per hour	hour	1.60	2500.00	4000.00
0070	Generator 100 KVA/125 KVA	hour	1.60	300.00	480.00
0052	Front end loader 1 cum bucket capacity (incl POL)	hour	1.60	800.00	1280.00
	Distance = 10 km Qty= 120.00 cum Total = 120.00x 10= 1200				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0029	Carriage of concrete by transit mixer	km/cum	1200.00	23.00	27600.00
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	120.00	200.00	24000.00
	TOTAL				769342.08
	TOTAL				769342.08
	Cost of each.				769342.08
	Say				769342.10

- 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 diaphragm wall Average depth 12 m Thickness 0.60 m				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0082	Total Quantity 20 mx12 m x0.6 m = 144.00 cum Excavation of Diaphragm wall by Mechanical Grab	sqm	240.00	1500.00	360000.00
5.1.3	Guide wall RCC 1:2:4 RCC 2x20x(0.45+1.5)x.15 = 11.70 cum Rate as per Item No.5.1.3 of SH: REINFORCED CEMENT CONCRETE Reinforcement@ 70 kg/Cum for guide wall= 11.70x 70 kg/cum= 819 kg	cum	11.70	5772.65	67540.01(A)
5.22.6	Rate as per Item No.5.22.6 of SH: REINFORCED CEMENT CONCRETE 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	kilogram	819.00	56.60	46355.40(A)
5.33.1	Rate as per Item No.5.33.1 of SH: REINFORCED CEMENT CONCRETE	cum	164.40	6446.45	1059796.38(A)
5.34.1	Rate as per Item No.5.34.1 of SH: REINFORCED CEMENT CONCRETE Bentonite @6% of RCC qty Total Qty= 164.4x06x1400/100= 13810 kg= 13.81 tonne	cum	164.40	69.50	11425.80(A)
7183	Bentonite Add 10 %extra cement due to concreting under water 164.4x420x0.10=6.90 tonne	tonne	13.81	3100.00	42811.00
0367	Portland Cement Add cement for grouting of wall using nozzles etc.- 240 sqm @ 0.10 quintal/sqm =2.40 tonne	tonne	6.90	5700.00	39330.00
0367	Portland Cement	tonne	2.40	5700.00	13680.00
2209	Carriage of Cement	tonne	2.40	92.24	221.37
0025	Hire and running charges of light crane 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	day	1.00	2500.00	2500.00
1005	Twisted steel/ deformed bars 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	quintal	18.084	3730.00	67453.32
10.22	Rate as per Item No.10.22 of SH: STEEL WORK	cm	6161.00	2.85	17558.85(A)
9999	Labour for grouting diaphragm wall under pressure i/c fixing nozzle etc 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	L.S.	23530.00	1.73	40706.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7318	Plasticizer / super plasticizer	kilogram	276.19	38.00	10495.22
8954	Stop end tubes for diaphragm wall 600 mm dia.	sqm	240.00	4.50	1080.00
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	240.00	72.00	17280.00
0026	Hire and running charges of bentonite pump	day	2.00	4200.00	8400.00
	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: DISM ANTLING & DEMOLISHING	cum	193.32	120.55	23304.73(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: DISM ANTLING & DEMOLISHING	cum	20.40	1454.55	29672.82(A)
9999	Sundries (Extra for concreting by Trimme)	L.S.	1177.00	1.73	2036.21
9999	Sundries (Design Charges)	L.S.	19200.00	1.73	33216.00
	TOTAL				1894864.01
	Add 1 % Water charges on all except (A) i.e. on (1894864.01 - 1255653.99) = 639210.02				6392.10
	TOTAL				1901256.11
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1901256.11 - 1255653.99) = 645602.12				96840.32
	Cost of 144.0 cum				1998096.43
	Rate of 1 cum				13875.66
	Say				13875.65

SUB HEAD : 6.0
BRICK 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	4500.00	2223.00
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per item No 3.9 of SH: Mortar	cum	0.25	3970.50	992.63
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	487.00	175.32
0124	Mason (brick layer) 2nd class	day	0.36	448.00	161.28
0115	Coolie	day	1.37	368.00	504.16
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				4279.21
	Add 1 % Water charges				42.79
	TOTAL				4322.00
	Add 15 % Contractor's profit and overheads				648.30
	Cost of 1 Cum.				4970.30
	Say				4970.30

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	4500.00	2223.00
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	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	3217.50	804.38
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	487.00	175.32
0124	Mason (brick layer) 2nd class	day	0.36	448.00	161.28
0115	Coolie	day	1.37	368.00	504.16
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				4090.96
	Add 1 % Water charges				40.91
	TOTAL				4131.87
	Add 15 % Contractor's profit and overheads				619.78
	Cost of 1 Cum.				4751.65
	Say				4751.65

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	276.72	134.76
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per item No 3.9 of SH: Mortar	cum	0.22	3970.50	873.51
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	487.00	160.71
0124	Mason (brick layer) 2nd class	day	0.33	448.00	147.84
0115	Coolie	day	1.00	368.00	368.00
0101	Bhisti	day	0.18	407.00	73.26
	TOTAL				3954.30
	Add 1 % Water charges				39.54
	TOTAL				3993.84
	Add 15 % Contractor's profit and overheads				599.08
	Cost of 1 Cum.				4592.92
	Say				4592.90

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	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.22	3217.50	707.85
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	487.00	160.71
0124	Mason (brick layer) 2nd class	day	0.33	448.00	147.84
0115	Coolie	day	1.00	368.00	368.00
0101	Bhisti	day	0.18	407.00	73.26
	TOTAL				3788.64
	Add 1 % Water charges				37.89
	TOTAL				3826.53
	Add 15 % Contractor's profit and overheads				573.98
	Cost of 1 Cum.				4400.51
	Say				4400.50

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 ₹
7901	Details of cost for 1 cum MATERIAL Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1000 Nos	0.494	4600.00	2272.40
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	276.72	136.70
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.25	3217.50	804.38
9999	Sundries LABOUR	L.S.	2.73	1.73	4.72
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	22.36	1.73	38.68
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				4855.97
	Add 1 % Water charges				48.56
	TOTAL				4904.53
	Add 15 % Contractor's profit and overheads				735.68
	Cost of 1 Cum.				5640.21
	Say				5640.20

6.3.2 With Modular bricks

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7902	Details of cost for 1 cum MATERIAL Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	5350.00	2605.45
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.487	276.72	134.76
3.11	Rate as per item No 3.11 of SH: Mortar	cum	0.22	3217.50	707.85
9999	Sundries LABOUR	L.S.	2.73	1.73	4.72
0123	Mason (brick layer) 1st class	day	0.44	487.00	214.28
0124	Mason (brick layer) 2nd class	day	0.44	448.00	197.12
0115	Coolie	day	1.43	368.00	526.24
0101	Bhisti	day	0.18	407.00	73.26
9999	Scaffolding	L.S.	16.38	1.73	28.34
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				4907.86
	Add 1 % Water charges				49.08
	TOTAL				4956.94
	Add 15 % Contractor's profit and overheads				743.54
	Cost of 1 Cum.				5700.48
	Say				5700.50

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 ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.494	4500.00	2223.00
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.25	3970.50	992.63
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
	"Extra labour element required for lifting of materials (above floor two level upto floor five level)"				
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	22.36	1.73	38.68
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				4994.82
	Add 1 % Water charges				49.95
	TOTAL				5044.77
	Add 15 % Contractor's profit and overheads				756.72
	Cost of 1 Cum.				5801.49
	Say				5801.50

6.4.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 1 cum MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 6	1000 Nos	0.494	4500.00	2223.00
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3217.50	804.38
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	22.36	1.73	38.68
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				4806.57
	Add 1 % Water charges				48.07
	TOTAL				4854.64
	Add 15 % Contractor's profit and overheads				728.20
	Cost of 1 Cum.				5582.84
	Say				5582.85

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 ₹
0037	Details of cost for 5.3 cum per four floors .				
	Mobile crane	day	0.125	7500.00	937.50
	TOTAL				937.50
	Add 1 % Water charges				9.38
	TOTAL				946.88
	Add 15 % Contractor's profit and overheads				142.03
	Cost of 5.3 Cum.				1088.91
	Cost for 1 cum				205.45
	Say				205.45

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	3675.00	198.45
9999	Painting the steel Bitumen	L.S.	13.52	1.73	23.39
2205	Carriage of Steel	tonne	0.005	92.24	0.46
	Extra labour for keeping cavity clear and fixing wall ties and delay caused:				
0123	Mason (brick layer) 1st class	day	0.37	487.00	180.19
0124	Mason (brick layer) 2nd class	day	0.37	448.00	165.76
0114	Beldar	day	0.92	368.00	338.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Add for use of Core	L.S.	4.55	1.73	7.87
	TOTAL				914.68
	Add 1 % Water charges				9.15
	TOTAL				923.83
	Add 15 % Contractor's profit and overheads				138.57
	Cost for 10 sqm.				1062.40
	Cost for 1 sqm.				106.24
	Say				106.25

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 10 cm / 11.4 cm wide bitumen felt type 3 grade 1.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6.12.1	Details of cost for 10m length MATERIAL Half brick masonry 1:3 (Average) 1x10x0.27 = 2.7 Rate as per item No. 6.12.1 of SH: Brick Work	sqm	2.70	618.00	1668.60(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	70.00	84.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.12	487.00	58.44
0124	Mason (brick layer) 2nd class	day	0.12	448.00	53.76
0114	Beldar	day	0.06	368.00	22.08
	TOTAL				1886.88
	Add 1 % Water charges on all except (A) i.e. on (1886.88 - 1668.60) = 218.28				2.18
	TOTAL				1889.06
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1889.06 - 1668.60) = 220.46				33.07
	Cost of 10 metre				1922.13
	Cost for 1 metre				192.21
	Say				192.20

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 ₹
2602	Details of cost for 10sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1:3	1000 Nos	0.377	4500.00	1696.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.181	4723.50	854.95
2201	Carriage of Bricks	1000 Nos	0.377	276.72	104.32
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.72	487.00	350.64
0124	Mason (brick layer) 2nd class	day	0.72	448.00	322.56
0115	Coolie	day	1.76	368.00	647.68
0101	Bhisti	day	0.36	407.00	146.52
9999	Sundries and scaffolding	L.S.	7.15	1.73	12.37
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.29	368.00	474.72
	TOTAL				4610.26
	Add 1 % Water charges				46.10
	TOTAL				4656.36
	Add 15 % Contractor's profit and overheads				698.45
	Cost for 10 sqm.				5354.81
	Cost for 1 sqm.				535.48
	Say				535.50

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	4500.00	2223.00
	Cement mortar 1:3				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.25	4723.50	1180.88
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries	L.S.	2.73	1.73	4.72
	Centring and shuttering				
	Taking a semi circular arch 3.6m span, 3.6m long and 0.40m thick				
	Area of centering = $3.142 \times 1.8 \times 3.6 = 20.37$ sqm.				
	Brick work in Arch = $3.142 \times 2.00 \times 0.4 \times 3.6 = 9.05$ cum.				
	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	1136.85	2557.91(A)
9999	Scaffolding	L.S.	18.85	1.73	32.61
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.53	487.00	258.11
0124	Mason (brick layer) 2nd class	day	0.53	448.00	237.44
0115	Coolie	day	2.29	368.00	842.72
0101	Bhisti	day	0.20	407.00	81.40
	Extra labour for lifting of material (above floor two level up to floor five level)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				7971.33
	Add 1 % Water charges on all except (A) i.e. on (7971.33 - 2557.91) = 5413.42				54.13
	TOTAL				8025.46
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8025.46 - 2557.91) = 5467.55				820.13
	Cost for 1 cum.				8845.59
	Say				8845.60

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 ₹
2602	Details of cost for 1 cum. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.538	4500.00	2421.00
3.8	Cement mortar 1:3 Rate as per Item Number 3.8 of SH: Mortars	cum	0.25	4723.50	1180.88
2201	Carriage of Bricks	1000 Nos	0.538	276.72	148.87
9999	Sundries	L.S.	2.73	1.73	4.72
	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	1136.85	2557.91(A)
9999	Scaffolding	L.S.	18.85	1.73	32.61
	LABOUR				
0123	Mason (brick layer) 1st class	day	1.13	487.00	550.31
0124	Mason (brick layer) 2nd class	day	1.13	448.00	506.24
0115	Coolie	day	4.42	368.00	1626.56
0101	Bhisti	day	0.20	407.00	81.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				9526.34
	Add 1 % Water charges on all except (A) i.e. on (9526.34 - 2557.91) = 6968.43				69.68
	TOTAL				9596.02
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9596.02 - 2557.91) = 7038.11				1055.72
	Cost for 1 cum.				10651.74
	Say				10651.75

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 ₹
	<p>Details of cost for 33.31 sqm MATERIAL Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m $2R-2=4+4$ $\tan^{-1}(4/3)=53.28^\circ$ $2 \times 53.28^\circ = 106^\circ$ Surface area = $2 \times 22/7 \times 5 \times 3.6 \times 106/360 = 33.3 \text{sqm.}$ Arc = 9.25m MATERIAL Tie- $2 \times 8 \times 0.18 \times 0.05 = 0.144 \text{cum}$ Struts- $2 \times 2.5 \times 0.1 \times 0.1 = 0.050 \text{cum.}$ Struts- $2 \times 1.77 \times 0.1 \times 0.1 = 0.035 \text{cum.}$ Ribs- $6 \times 1.54 \times 0.23 \times 0.1 = 0.213 \text{cum.}$ Struts- $2 \times 1.72 \times 0.1 \times 0.1 = 0.034 \text{cum.}$ Total = 0.476 cum. For four such frames = $0.476 \times 4 = 1.904 \text{ cum.}$ laggings- $75 \times 3.6 \times 0.125 \times 0.075 = 2.531 \text{cum.}$ Tie- $2 \times 3.6 \times 0.225 \times 0.038 = 0.062 \text{cum.}$ Brace- $3 \times 2 \times 2.14 \times 0.225 \times 0.038 = 0.110$ Brace- $3 \times 4 \times 3.8 \times 0.225 \times 0.038 = 0.390$ Sleepers- $4 \times 3.6 \times 0.20 \times 0.15 = 0.432$ Sleepers- $2 \times 4 \times 3.6 \times 0.175 \times 0.075 = 0.378$ Vertical post- $4 \times 4 \times 3.6 \times 0.15 \times 0.15 = 1.296$ Total = 7.103 cum. Qty taken as 1/8th of qty for cost of using once = $7.103/8 = 0.8885 \text{ cum (887.90 cudm)}$</p>				
1197	Second class kail wood in scantling	10 cudm	88.79	260.00	23085.40
2204	Carriage of Timber	cum	0.8879	118.59	105.30
	<p>Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50cm each = 16m Straps-50mmx10mm = 8 Nos. @0.25cm each = 2m Total = 18m @ 3.9kg/m = 70.2 kg. = 0.702qtl. Qty taken 1/8th of qty for cost using once = $0.702/8 = 0.0878 \text{ qtl.}$</p>				
1225	Mild steel flat strap fitting	quintal	0.0878	4000.00	351.20
	<p>Bolts 160 Nos. 254 mm long 16mm dia.- $160 \times 0.254 \times 1.58 = 64.21 \text{ kg} = 0.64 \text{qtl.}$ Qty taken 1/8th of qty for cost using once = $0.64/8 = 0.08 \text{ qtl}$</p>				
1034	Bolts and nuts upto 300 mm in length	quintal	0.08	5100.00	408.00
	<p>Carriage of steel = 0.1342 t Qty taken 1/8th of qty for cost using once = $0.1342/8 = 0.0168 \text{ tonne}$</p>				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2302	Carriage of G.I.sheet and accessories LABOUR	tonne	0.0168	92.24	1.55
0112	Carpenter 2nd class	day	28.00	448.00	12544.00
0114	Beldar	day	24.00	368.00	8832.00
9999	Sundries	L.S.	134.55	1.73	232.77
	Less Cost of shuttering etc. for an arch exceeding 6 m span i.e. for an average of 8 m span				
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work TOTAL	sqm	-33.31	1136.85	-37868.47(A) 7691.75
	Add 1 % Water charges on all except (A) i.e. on (7691.75 - -37868.47) = 45560.22 TOTAL				455.60 8147.35
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8147.35 -37868.47) = 46015.82				6902.37
	Cost of 33.31sqm.				15049.72
	Cost per sqm				451.80
	Say				451.80

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	4500.00	2542.50
	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	4723.50	1322.58
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.34
9999	Sundries & Scaffolding LABOUR	L.S.	13.52	1.73	23.39
0123	Mason (brick layer) 1st class	day	0.45	487.00	219.15
0124	Mason (brick layer) 2nd class	day	0.45	448.00	201.60
0115	Coolie	day	1.55	368.00	570.40
0101	Bhisti	day	0.70	407.00	284.90
	TOTAL				5320.86
	Add 1 % Water charges				53.21
	TOTAL				5374.07
	Add 15 % Contractor's profit and overheads				806.11
	Cost for 10 sqm.				6180.18
	Cost for 1 sqm.				618.01
	Say				618.00

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	4500.00	2542.50
	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	3970.50	1111.74
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.34
9999	Sundries & Scaffolding	L.S.	13.52	1.73	23.39
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.45	487.00	219.15
0124	Mason (brick layer) 2nd class	day	0.45	448.00	201.60
0115	Coolie	day	1.55	368.00	570.40
0101	Bhisti	day	0.70	407.00	284.90
	TOTAL				5110.02
	Add 1 % Water charges				51.10
	TOTAL				5161.12
	Add 15 % Contractor's profit and overheads				774.17
	Cost for 10 sqm.				5935.29
	Cost for 1 sqm.				593.52
	Say				593.50

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	4500.00	2542.50
	Cement mortar 1:3				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.28	4723.50	1322.58
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.34
9999	Sundries & Scaffolding	L.S.	13.52	1.73	23.39
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	487.00	292.20
0124	Mason (brick layer) 2nd class	day	0.60	448.00	268.80
0115	Coolie	day	2.00	368.00	736.00
0101	Bhisti	day	0.70	407.00	284.90
	Extra labour for lifting materials:				
0115	Coolie	day	1.29	368.00	474.72
	10 x 0.115 x 0.75 x 1.5				
	TOTAL				6101.43
	Add 1 % Water charges				61.01
	TOTAL				6162.44
	Add 15 % Contractor's profit and overheads				924.37
	Cost for 10 sqm.				7086.81
	Cost for 1 sqm.				708.68
	Say				708.70

6.13.2 Cement mortar 1:4 (1 cement :4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2602	Details of cost for 10 sqm. MATERIAL Common burnt clay F.P.S. (non modular) bricks class designation 7.5 Cement mortar 1 : 4	1000 Nos	0.565	4500.00	2542.50
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.28	3970.50	1111.74
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.34
9999	Sundries & Scaffolding	L.S.	13.52	1.73	23.39
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	487.00	292.20
0124	Mason (brick layer) 2nd class	day	0.60	448.00	268.80
0115	Coolie	day	2.00	368.00	736.00
0101	Bhisti	day	0.70	407.00	284.90
0115	Extra labour for lifting materials: Coolie 10 x 0.115 x 0.75 x 1.5	day	1.29	368.00	474.72
	TOTAL				5890.59
	Add 1 % Water charges				58.91
	TOTAL				5949.50
	Add 15 % Contractor's profit and overheads				892.43
	Cost for 10 sqm.				6841.93
	Cost for 1 sqm.				684.19
	Say				684.20

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 ₹
0037	Details of cost for 59.83 sqm per four floors. Mobile crane	day	0.125	7500.00	937.50
	TOTAL				937.50
	Add 1 % Water charges				9.38
	TOTAL				946.88
	Add 15 % Contractor's profit and overheads				142.03
	Cost of 59.83 sqm.				1088.91
	Cost for 1 sqm				18.20
	Say				18.20

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 ₹
1002	Details of cost for 10sqm. 6mm dia. M.S. bars (round) 2 Nos. @ 30 meter/10sqm. = 60 metre @ 0.22kg/m = 13.2 kg	quintal	0.132	3675.00	485.10
2205	Mild steel round bar 12 mm dia and below Carriage of Steel	tonne	0.0132	92.24	1.22

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	1.82	1.73	3.15
	TOTAL				489.47
	Add 1 % Water charges				4.89
	TOTAL				494.36
	Add 15 % Contractor's profit and overheads				74.15
	Cost for 10 sqm.				568.51
	Cost for 1 sqm.				56.85
	Say				56.85

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	5200.00	4040.40
	Cement mortar 1 : 4				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.40	3970.50	1588.20
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
9999	Sundries	L.S.	4.55	1.73	7.87
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.70	487.00	340.90
0124	Mason (brick layer) 2nd class	day	0.70	448.00	313.60
0115	Coolie	day	1.54	368.00	566.72
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				7068.10
	Add 1 % Water charges				70.68
	TOTAL				7138.78
	Add 15 % Contractor's profit and overheads				1070.82
	Cost for 1 cum.				8209.60
	Say				8209.60

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	5200.00	4040.40
	Cement mortar 1 : 6				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3217.50	1287.00
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
9999	Sundries	L.S.	4.55	1.73	7.87
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.70	487.00	340.90
0124	Mason (brick layer) 2nd class	day	0.70	448.00	313.60
0115	Coolie	day	1.54	368.00	566.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				6766.90
	Add 1 % Water charges				67.67
	TOTAL				6834.57
	Add 15 % Contractor's profit and overheads				1025.19
	Cost for 1 cum.				7859.76
	Say				7859.75

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	5000.00	3885.00
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
	Cement mortar 1 : 6				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3217.50	1287.00
9999	Sundries	L.S.	4.55	1.73	7.87
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.70	487.00	340.90
0124	Mason (brick layer) 2nd class	day	0.70	448.00	313.60
0115	Coolie	day	1.54	368.00	566.72
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				6611.50
	Add 1 % Water charges				66.12
	TOTAL				6677.62
	Add 15 % Contractor's profit and overheads				1001.64
	Cost of 1 Cum.				7679.26
	Say				7679.25

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	5200.00	4040.40
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
	Cement mortar 1 : 6				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.40	3217.50	1287.00
9999	Sundries	L.S.	4.55	1.73	7.87
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.90	487.00	438.30
0124	Mason (brick layer) 2nd class	day	0.90	448.00	403.20
0115	Coolie	day	1.80	368.00	662.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti Extra labour for lifting of materials	day	0.20	407.00	81.40
0115	Coolie	day	1.13	368.00	415.84
9999	Scaffolding	L.S.	33.80	1.73	58.47
	TOTAL				7523.89
	Add 1 % Water charges				75.24
	TOTAL				7599.13
	Add 15 % Contractor's profit and overheads				1139.87
	Cost of 1 Cum.				8739.00
	Say				8739.00

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	5200.00	4040.40
2207	Carriage of Brick tiles	1000 Nos	0.777	166.03	129.01
	Cement mortar 1 : 4				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.35	3970.50	1389.68
9999	Sundries	L.S.	5.46	1.73	9.45
	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	1136.85	2557.91(A)
9999	Scaffolding	L.S.	18.85	1.73	32.61
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.79	487.00	384.73
0124	Mason (brick layer) 2nd class	day	0.79	448.00	353.92
0115	Coolie	day	3.21	368.00	1181.28
0101	Bhisti	day	0.20	407.00	81.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				10576.23
	Add 1 % Water charges on all except (A) i.e. on (10576.23 - 2557.91) = 8018.32				80.18
	TOTAL				10656.41
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (10656.41 - 2557.91) = 8098.50				1214.78
	Cost for 1 cum.				11871.19
	Say				11871.20

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	5200.00	4113.20
2207	Carriage of Brick tiles Cement mortar 1 : 4	1000 Nos	0.791	166.03	131.33
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.35	3970.50	1389.68
9999	Sundries and shuttering Centering and shuttering, area same as in item no. 6.9	L.S.	5.46	1.73	9.45
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1136.85	2557.91(A)
9999	Scaffolding LABOUR	L.S.	18.85	1.73	32.61
0123	Mason (brick layer) 1st class	day	1.50	487.00	730.50
0124	Mason (brick layer) 2nd class	day	1.50	448.00	672.00
0115	Coolie	day	5.33	368.00	1961.44
0101	Bhisti	day	0.20	407.00	81.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				12095.36
	Add 1 % Water charges on all except (A) i.e. on (12095.36 - 2557.91) = 9537.45				95.37
	TOTAL				12190.73
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (12190.73 - 2557.91) = 9632.82				1444.92
	Cost for 1 cum.				13635.65
	Say				13635.65

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	5200.00	1960.40
2207	Carriage of Brick tiles Cement mortar 1:3	1000 Nos	0.377	166.03	62.59
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.15	4723.50	708.53
9999	Sundries and scaffolding LABOUR	L.S.	8.06	1.73	13.94
0123	Mason (brick layer) 1st class	day	0.94	487.00	457.78
0124	Mason (brick layer) 2nd class	day	0.94	448.00	421.12
0115	Coolie	day	1.88	368.00	691.84
0101	Bhisti	day	0.33	407.00	134.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Extra labour for lifting of material (above floor two level up to floor five level) Coolie TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost of 10 Sqm. Cost per sqm. Say	day	1.29	368.00	474.72 4925.23 49.25 4974.48 746.17 5720.65 572.06 572.05

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 ₹
6.4.1	Details of cost for 1sqm. of Honey comb brick works- MATERIAL Brick work, with bricks of class designation 7.5, 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 Rate as per item No 6.4.1 of SH :- Brick work.	cum	0.069	5801.50	400.30
9999	Extra for delay due to fine work TOTAL Add 1 % Water charges on all except (A) i.e. on (436.06 - 400.30) = 35.76 TOTAL Add 15 % Contractor's profit and overheads on all except (A) i.e. on (436.42 - 400.30) = 36.12 Cost for 1 sqm. Say	L.S.	20.67	1.73	35.76 436.06 0.36 436.42 5.42 441.84 441.85

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 ₹
0011	Details of cost for depth of water 0.30m depth. Quantity of concrete = 14 cum. pumping hours = 3 hrs. on 0.375 day. Hire charges of Pumpset of capacity 4000 litres/hour.	day	0.375	650.00	243.75

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	4.00	368.00	1472.00
	TOTAL				1715.75
	Add 1 % Water charges				17.16
	TOTAL				1732.91
	Add 15 % Contractor's profit and overheads				259.94
	Cost of 14cum. per 0.30m depth				1992.85
	Cost of cum. per m depth				474.48
	Say				474.50

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 (brick layer) 1st class	day	0.02	487.00	9.74
0124	Mason (brick layer) 2nd class	day	0.02	448.00	8.96
0114	Beldar	day	0.25	368.00	92.00
0115	Coolie	day	0.15	368.00	55.20
	TOTAL				165.90
	Add 1 % Water charges				1.66
	TOTAL				167.56
	Add 15 % Contractor's profit and overheads				25.13
	Cost for 1 cum.				192.69
	Say				192.70

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	4500.00	2223.00
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 6				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3217.50	804.38
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	1.73	28.34
	LABOUR				
	For selection of bricks				
0114	Beldar	day	0.50	368.00	184.00
0123	Mason (brick layer) 1st class	day	0.35	487.00	170.45
0124	Mason (brick layer) 2nd class	day	0.35	448.00	156.80
0115	Coolie	day	1.07	368.00	393.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				4178.83
	Add 1 % Water charges				41.79
	TOTAL				4220.62
	Add 15 % Contractor's profit and overheads				633.09
	Cost per cum.				4853.71
	Say				4853.70

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	4500.00	2223.00
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 6				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3217.50	804.38
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	1.73	28.34
	LABOUR				
	For selection of bricks				
0114	Beldar	day	0.50	368.00	184.00
0123	Mason (brick layer) 1st class	day	0.46	487.00	224.02
0124	Mason (brick layer) 2nd class	day	0.46	448.00	206.08
0115	Coolie	day	1.60	368.00	588.80
0101	Bhisti	day	0.20	407.00	81.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
9999	Sundries	L.S.	22.36	1.73	38.68
	TOTAL				4931.24
	Add 1 % Water charges				49.31
	TOTAL				4980.55
	Add 15 % Contractor's profit and overheads				747.08
	Cost per cum.				5727.63
	Say				5727.65

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	276.72	134.76
	Cement mortar 1 : 6				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.11 9999	Rate as per Item Number 3.11 of SH: Mortars Sundries i/c steel / wooden strips for making grooves LABOUR	cum L.S.	0.22 16.38	3217.50 1.73	707.85 28.34
0123	Mason (brick layer) 1st class	day	0.33	487.00	160.71
0124	Mason (brick layer) 2nd class	day	0.33	448.00	147.84
0115	Coolie	day	1.00	368.00	368.00
0101	Bhisti	day	0.18	407.00	73.26
	TOTAL				3812.26
	Add 1 % Water charges				38.12
	TOTAL				3850.38
	Add 15 % Contractor's profit and overheads				577.56
	Cost of 1 Cum.				4427.94
	Say				4427.95

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	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11 9999	Rate as per Item Number 3.11 of SH: Mortars Sundries i/c steel / wooden strips for making grooves LABOUR	cum L.S.	0.22 16.38	3217.50 1.73	707.85 28.34
0123	Mason (brick layer) 1st class	day	0.44	487.00	214.28
0124	Mason (brick layer) 2nd class	day	0.44	448.00	197.12
0115	Coolie	day	1.43	368.00	526.24
0101	Bhisti	day	0.18	407.00	73.26
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
9999	Sundries	L.S.	22.36	1.73	38.68
	TOTAL				4527.87
	Add 1 % Water charges				45.28
	TOTAL				4573.15
	Add 15 % Contractor's profit and overheads				685.97
	Cost of 1 Cum.				5259.12
	Say				5259.10

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 ₹
1986	Details of cost for 1 cum. Common burnt clay modular bricks class designation 12.5	1000 Nos	0.487	5500.00	2678.50
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3217.50	707.85
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	1.73	28.34
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	487.00	160.71
0124	Mason (brick layer) 2nd class	day	0.33	448.00	147.84
0115	Coolie	day	1.00	368.00	368.00
0101	Bhisti	day	0.18	407.00	73.26
	TOTAL				4299.26
	Add 1 % Water charges				42.99
	TOTAL				4342.25
	Add 15 % Contractor's profit and overheads				651.34
	Cost per cum.				4993.59
	Say				4993.60

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	5500.00	2678.50
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3217.50	707.85
9999	Sundries including steel/wooden strips for making grooves.	L.S.	16.38	1.73	28.34
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	487.00	214.28
0124	Mason (brick layer) 2nd class	day	0.44	448.00	197.12
0115	Coolie	day	1.43	368.00	526.24
0101	Bhisti	day	0.18	407.00	73.26
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
9999	Sundries	L.S.	22.36	1.73	38.68
	TOTAL				5014.87
	Add 1 % Water charges				50.15
	TOTAL				5065.02
	Add 15 % Contractor's profit and overheads				759.75
	Cost per cum.				5824.77
	Say				5824.75

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	5000.00	2470.00
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	276.72	136.70
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3217.50	804.38
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	1.73	28.34
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	487.00	175.32
0124	Mason (brick layer) 2nd class	day	0.36	448.00	161.28
0115	Coolie	day	1.37	368.00	504.16
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				4361.58
	Add 1 % Water charges				43.62
	TOTAL				4405.20
	Add 15 % Contractor's profit and overheads				660.78
	Cost of 1 Cum.				5065.98
	Say				5066.00

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	5000.00	2470.00
2201	Carriage of Bricks Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	276.72	136.70
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3217.50	804.38
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	1.73	28.34
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	487.00	214.28
0124	Mason (brick layer) 2nd class	day	0.44	448.00	197.12
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	22.36	1.73	38.68
	TOTAL				5049.14
	Add 1 % Water charges				50.49
	TOTAL				5099.63
	Add 15 % Contractor's profit and overheads				764.94
	Cost of 1 Cum.				5864.57
	Say				5864.55

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	4600.00	2272.40
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3217.50	804.38
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	1.73	28.34
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	487.00	175.32
0124	Mason (brick layer) 2nd class	day	0.36	448.00	161.28
0115	Coolie	day	1.37	368.00	504.16
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				4163.98
	Add 1 % Water charges				41.64
	TOTAL				4205.62
	Add 15 % Contractor's profit and overheads				630.84
	Cost of 1 Cum.				4836.46
	Say				4836.45

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	4600.00	2272.40
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.11 9999	Rate as per Item Number 3.11 of SH: Mortars Sundries i/c steel / wooden strips for making grooves	cum L.S.	0.25 16.38	3217.50 1.73	804.38 28.34
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
9999	Sundries	L.S.	22.36	1.73	38.68
	TOTAL				4879.59
	Add 1 % Water charges				48.80
	TOTAL				4928.39
	Add 15 % Contractor's profit and overheads				739.26
	Cost of 1 Cum.				5667.65
	Say				5667.65

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	5350.00	2605.45
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
	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	3217.50	707.85
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	1.73	28.34
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	487.00	160.71
0124	Mason (brick layer) 2nd class	day	0.33	448.00	147.84
0115	Coolie	day	1.00	368.00	368.00
0101	Bhisti	day	0.18	407.00	73.26
	TOTAL				4226.21
	Add 1 % Water charges				42.26
	TOTAL				4268.47
	Add 15 % Contractor's profit and overheads				640.27
	Cost of 1 Cum.				4908.74
	Say				4908.75

6.31.2 Above plinth level upto floor V level

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7902	Details of cost for 1 cum. MATERIAL Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1000 Nos	0.487	5350.00	2605.45
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
3.11	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
9999	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3217.50	707.85
9999	Sundries i/c steel / wooden strips for making grooves	L.S.	16.38	1.73	28.34
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.44	487.00	214.28
0124	Mason (brick layer) 2nd class	day	0.44	448.00	197.12
0115	Coolie	day	1.43	368.00	526.24
0101	Bhisti	day	0.18	407.00	73.26
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
9999	Sundries	L.S.	22.36	1.73	38.68
	TOTAL				4941.82
	Add 1 % Water charges				49.42
	TOTAL				4991.24
	Add 15 % Contractor's profit and overheads				748.69
	Cost of 1 Cum.				5739.93
	Say				5739.95

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 ₹
7008	Details of cost for 1 cum. MATERIAL F.P.S.(non modular) clay fly ash bricks class designation 7.5	1000 Nos	0.494	4000.00	1976.00
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.25	3970.50	992.63
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	8.97	1.73	15.52
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				4724.66
	Add 1 % Water charges				47.25
	TOTAL				4771.91
	Add 15 % Contractor's profit and overheads				715.79
	Cost per cum.				5487.70
	Say				5487.70

6.32.2 Cement mortar 1:6 (1 cement : 6 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7008	Details of cost for 1 cum. MATERIAL F.P.S.(non modular) clay fly ash bricks class designation 7.5 Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.494	4000.00	1976.00
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.25	3217.50	804.38
2201	Carriage of Bricks	1000 Nos	0.494	276.72	136.70
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	8.97	1.73	15.52
	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	368.00	415.84
	TOTAL				4536.41
	Add 1 % Water charges				45.36
	TOTAL				4581.77
	Add 15 % Contractor's profit and overheads				687.27
	Cost per cum.				5269.04
	Say				5269.05

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 ₹
7737	Details of cost for 1 cum. MATERIAL Fly ash bricks conforming to I.S. 12894 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.487	5800.00	2824.60
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	3970.50	873.51
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries LABOUR	L.S.	2.73	1.73	4.72
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	22.36	1.73	38.68
	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	368.00	415.84
	TOTAL				5475.36
	Add 1 % Water charges				54.75
	TOTAL				5530.11
	Add 15 % Contractor's profit and overheads				829.52
	Cost per cum.				6359.63
	Say				6359.65

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	5800.00	2824.60
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3217.50	707.85
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries LABOUR	L.S.	2.73	1.73	4.72
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	22.36	1.73	38.68
	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	368.00	415.84
	TOTAL				5309.70
	Add 1 % Water charges				53.10
	TOTAL				5362.80
	Add 15 % Contractor's profit and overheads				804.42
	Cost per cum.				6167.22
	Say				6167.20

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 confirming to I.S. 4139 - 1989 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.487	5700.00	2775.90
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	3970.50	873.51
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries LABOUR	L.S.	2.73	1.73	4.72
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	22.36	1.73	38.68
	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	368.00	415.84
	TOTAL				5426.66
	Add 1 % Water charges				54.27
	TOTAL				5480.93
	Add 15 % Contractor's profit and overheads				822.14
	Cost per cum.				6303.07
	Say				6303.05

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 confirming to I.S. 4139 - 1989 Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1000 Nos	0.487	5700.00	2775.90
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.22	3217.50	707.85
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries LABOUR	L.S.	2.73	1.73	4.72
0123	Mason (brick layer) 1st class	day	0.47	487.00	228.89
0124	Mason (brick layer) 2nd class	day	0.47	448.00	210.56
0115	Coolie	day	1.80	368.00	662.40
0101	Bhisti	day	0.20	407.00	81.40
9999	Scaffolding	L.S.	22.36	1.73	38.68
	Extra labour element required for lifting of materials above floor two level upto floor V level (0.75 x 1.5 = 1.13)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				5261.00
	Add 1 % Water charges				52.61
	TOTAL				5313.61
	Add 15 % Contractor's profit and overheads				797.04
	Cost per cum.				6110.65
	Say				6110.65

6.36 Brick work with modular extruded brunt fly ash clay sewer bricks (Conforming to IS: 4885) 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	5400.00	2629.80
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	3970.50	873.51
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.33	487.00	160.71
0124	Mason (brick layer) 2nd class	day	0.33	448.00	147.84
0115	Coolie	day	1.00	368.00	368.00
0101	Bhisti	day	0.18	407.00	73.26
	TOTAL				4392.60
	Add 1 % Water charges				43.93
	TOTAL				4436.53
	Add 15 % Contractor's profit and overheads				665.48
	Cost per cum.				5102.01
	Say				5102.00

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	5400.00	2629.80
	Cement Mortar 1:3 (1 cement : 3 fine sand).				
3.3	Rate as per item no 3.3 SH Mortar	cum	0.25	4252.70	1063.18
2201	Carriage of Bricks	1000 Nos	0.487	276.72	134.76
9999	Sundries	L.S.	2.73	1.73	4.72
	Centering and shuttering				
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	2.25	1136.85	2557.91(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.42	487.00	204.54
0124	Mason (brick layer) 2nd class	day	0.42	448.00	188.16
0115	Coolie	day	1.86	368.00	684.48
0101	Bhisti	day	0.20	407.00	81.40
	TOTAL				7548.95
	Add 1 % Water charges on all except (A) i.e. on (7548.95 - 2557.91) = 4991.04				49.91
	TOTAL				7598.86
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (7598.86 - 2557.91) = 5040.95				756.14
	Cost per cum.				8355.00
	Say				8355.00

6.38 Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks 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 cement (AAC) blocks.	cum	1.00	3200.00	3200.00
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.15	3970.50	595.58
2208	Carriage of Lime	cum	1.00	103.77	103.77
9999	Sundries	L.S.	2.73	1.73	4.72
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.36	487.00	175.32
0124	Mason (brick layer) 2nd class	day	0.36	448.00	161.28
0115	Coolie	day	1.37	368.00	504.16
0101	Bhisti	day	0.20	407.00	81.40
	Reinforcement bars				
5.22.1	Rate as per item no. 5.22.1 of SH : Reinforced cement concrete work Extra labour element required for lifting of materials (above floor two level upto floor five level)(0.75 x1.5 =1.13).	kg	13.20	55.30	729.96(A)
0115	Coolie	day	1.13	368.00	415.84
	TOTAL				5972.03
	Add 1 % Water charges on all except (A) i.e. on (5972.03 - 729.96) = 5242.07				52.42
	TOTAL				6024.45
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6024.45 - 729.96) = 5294.49				794.17
	Cost of 1 Cum.				6818.62
	Say				6818.60

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, 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	480.00	4800.00
8657	Bonding plaster for Gypsum panel.	kg	25.00	21.00	525.00
9999	Sundries & scaffolding	L.S.	13.52	1.73	23.39
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.50	487.00	243.50
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				5959.89
	Add 1 % Water charges				59.60
	TOTAL				6019.49
	Add 15 % Contractor's profit and overheads				902.92
	Cost for 10 sqm				6922.41
	Cost for 1 sqm				692.24
	Say				692.25

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	368.00	636.64
	Total				636.64
	Add 1 % Water charges				6.37
	Total				643.01
	Add 15 % Contractor's profit and overheads				96.45
	Cost for 10 sqm.				739.46
	Cost for 1 sqm				73.94
	Say				73.95

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 ₹
9999	Details of cost for 10m length Excavation and disposal of surplus earth 2nd class bricks = 42 nos. + Add wastage @ 10% = 4.2 nos. = 46.2 nos. Say 46.00 nos.	L.S.	2.73	1.73	4.72
2602	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.046	4500.00	207.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2201	Carriage of Bricks Cement mortar 1 : 4 (1 cement : 4 fine sand)	1000 Nos	0.046	276.72	12.73
3.4	Rate as per Item Number 3.4 of SH: Mortars	cum	0.0036	3499.70	12.60
	LABOUR				
0155	Mason (average)	day	0.10	467.00	46.70
0114	Beldar	day	0.10	368.00	36.80
0101	Bhisti	day	0.03	407.00	12.21
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				337.48
	Add 1 % Water charges				3.37
	TOTAL				340.85
	Add 15 % Contractor's profit and overheads				51.13
	Cost of 10 metres				391.98
	Cost of 1 metre				39.19
	Say				39.20

6.45 Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and 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 Cement mortar 1:3 (1 cement : 3 coarse sand)	1000 Nos	0.565	5800.00	3277.00
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.28	4723.50	1322.58
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.34
9999	Sundries & Scaffolding	L.S.	13.52	1.73	23.39
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	487.00	292.20
0124	Mason (brick layer) 2nd class	day	0.60	448.00	268.80
0115	Coolie	day	2.00	368.00	736.00
0101	Bhisti	day	0.70	407.00	284.90
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.29	368.00	474.72
	TOTAL				6835.93
	Add 1 % Water charges				68.36
	TOTAL				6904.29
	Add 15 % Contractor's profit and overheads				1035.64
	Cost for 10 sqm.				7939.93
	Cost for 1 sqm.				793.99
	Say				794.00

6.45.2 Cement mortar 1 : 4 (1 cement : 4 coarse sand)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7737	Details of cost for 10 sqm. MATERIAL Fly ash bricks conforming to I.S. 12894 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.565	5800.00	3277.00
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.28	3970.50	1111.74
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.34
9999	Sundries & Scaffolding LABOUR	L.S.	13.52	1.73	23.39
0123	Mason (brick layer) 1st class	day	0.60	487.00	292.20
0124	Mason (brick layer) 2nd class	day	0.60	448.00	268.80
0115	Coolie	day	2.00	368.00	736.00
0101	Bhisti	day	0.70	407.00	284.90
0115	Extra labour for lifting of material (above floor two level up to floor five level) Coolie	day	1.29	368.00	474.72
	TOTAL				6625.09
	Add 1 % Water charges				66.25
	TOTAL				6691.34
	Add 15 % Contractor's profit and overheads				1003.70
	Cost for 10 sqm.				7695.04
	Cost for 1 sqm.				769.50
	Say				769.50

6.47 Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks 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 ₹
8655	Details of cost for 1 cum. MATERIAL Autoclaved areated cement (AAC) blocks	cum	1.00	3200.00	3200.00
9999	Polymer modified adhesive mortar Sundries	Kg L.S.	30.00 2.73	14.50 1.73	435.00 4.72
	LABOUR				
0123	Mason (brick layer) 1 st class	day	0.36	487.00	175.32
0124	Mason (brick layer) 2nd class	day	0.36	448.00	161.28
0115	Coolie	day	1.37	368.00	504.16
0115	Extra labour element required for lifting of materials (above floor two level upto floor five level) (0.75x1.50 = 1.13) Coolie	day	1.13	368.00	415.84
	TOTAL				4896.32
	Add Water Charges @ 1%				48.96
	TOTAL				4945.29
	Add CPOH @ 15%				741.79
	Cost of 1 cum				5687.08
	Say				5687.10

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	865.00	865.00
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.007	1260.00	88.20
	Carriage:				
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.00cum. + 0.16 cum. = 1.16 cum.	cum	1.16	122.08	141.61
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.33	3217.50	1061.78
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.07	448.00	479.36
0114	Beldar	day	1.07	368.00	393.76
0115	Coolie	day	0.71	368.00	261.28
0101	Bhisti	day	0.09	407.00	36.63
9999	Cement concrete 1:6:12	L.S.	45.76	1.73	79.16
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				3414.43
	Add 1 % Water charges				34.14
	TOTAL				3448.57
	Add 15 % Contractor's profit and overheads				517.29
	Cost of 1 cum.				3965.86
	Say				3965.85

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	865.00	865.00
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	1260.00	88.20
	Carriage of stone-				
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.00cum. + 0.16 cum. = 1.16 cum.	cum	1.16	122.08	141.61
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.33	3217.50	1061.78

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.34	448.00	600.32
0114	Beldar	day	1.45	368.00	533.60
0115	Coolie	day	0.71	368.00	261.28
0101	Bhisti	day	0.09	407.00	36.63
9999	Cement concrete 1:6:12	L.S.	56.55	1.73	97.83
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
9999	Sundries	L.S.	15.21	1.73	26.31
	TOTAL				4128.40
	Add 1 % Water charges				41.28
	TOTAL				4169.68
	Add 15 % Contractor's profit and overheads				625.45
	Cost of 1 cum.				4795.13
	Say				4795.15

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	448.00	259.84
0115	Coolie	day	0.27	368.00	99.36
	TOTAL				359.20
	Add 1 % Water charges				3.59
	TOTAL				362.79
	Add 15 % Contractor's profit and overheads				54.42
	Cost of 1 cum.				417.21
	Say				417.20

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	865.00	250.85
2215	Carriage of Soling stone & masonry stone	cum	0.29	122.08	35.40
	LABOUR				
	Labour for cutting and dressing stones-				
0125	Mason (for plain stone work) 2nd class)	day	1.42	448.00	636.16
0115	Coolie	day	0.35	368.00	128.80
	Total				1051.21
	Add 1 % Water charges				10.51
	Total				1061.72
	Add 15 % Contractor's profit and overheads				159.26
	Cost of 1 cum				1220.98
	Say				1221.00

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 ₹
1157	Details of cost for 1 cum Stone for masonry work	cum	0.10	865.00	86.50
2215	Carriage of Soling stone & masonry stone LABOUR	cum	0.10	122.08	12.21
0125	Labour for cutting and dressing stones- Mason (for plain stone work) 2nd class)	day	0.27	448.00	120.96
0115	Coolie	day	0.53	368.00	195.04
	TOTAL				414.71
	Add 1 % Water charges				4.15
	TOTAL				418.86
	Add 15 % Contractor's profit and overheads				62.83
	Cost of 1 cum.				481.69
	Say				481.70

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	3217.50	965.25
1157	Stone for masonry work	cum	1.21	865.00	1046.65
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	1260.00	88.20
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1021+0.16=1.37 Cum	cum	1.37	122.08	167.25
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.12	448.00	949.76
0114	Beldar	day	1.24	368.00	456.32
0115	Coolie	day	0.71	368.00	261.28
0101	Bhisti	day	0.09	407.00	36.63
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				3994.73
	Add 1 % Water charges				39.95
	TOTAL				4034.68
	Add 15 % Contractor's profit and overheads				605.20
	Cost of 1 cum.				4639.88
	Say				4639.90

**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	3217.50	965.25
1157	Stone for masonry work	cum	1.10	865.00	951.50
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	1260.00	88.20
	Carriage:				
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.10+0.16 cum = 1.26 cum.	cum	1.26	122.08	153.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.76	448.00	788.48
0114	Beldar	day	1.24	368.00	456.32
0115	Coolie	day	0.71	368.00	261.28
0101	Bhisti	day	0.09	407.00	36.63
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				3724.87
	Add 1 % Water charges				37.25
	TOTAL				3762.12
	Add 15 % Contractor's profit and overheads				564.32
	Cost of 1 cum.				4326.44
	Say				4326.45

**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	3217.50	965.25
1157	Stone for masonry work	cum	1.21	865.00	1046.65
1154	Through and bond stone size 24 x 24 x39 cm	100 Nos	0.07	1260.00	88.20
2215	Carriage of Soling stone & masonry stone 7.00 x 24 cm x24 cm x 39 cm = 0.16 cum. 1.21 cum. + 0.16 cum = 1.37 cum	cum	1.37	122.08	167.25
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.38	448.00	1066.24
0114	Beldar	day	1.59	368.00	585.12
0115	Coolie	day	0.71	368.00	261.28
0101	Bhisti	day	0.09	407.00	36.63
	Extra labour for lifting of material (above floor two level up to floor five level)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.13	368.00	415.84
9999	Sundries, scaffolding etc.	L.S.	37.70	1.73	65.22
	TOTAL				4697.68
	Add 1 % Water charges				46.98
	TOTAL				4744.66
	Add 15 % Contractor's profit and overheads				711.70
	Cost of 1 cum.				5456.36
	Say				5456.35

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	3217.50	965.25
1157	Stone for masonry work	cum	1.10	865.00	951.50
1154	Through and bond stone size 24 x24 x39 cm	100 Nos	0.07	1260.00	88.20
	Carriage:				
2215	Carriage of Soling stone & masonry stone 7.00x24cmx24cmx39cm = 0.16 cum. 1.10+0.16 cum = 1.26 cum.	cum	1.26	122.08	153.82
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.02	448.00	904.96
0114	Beldar	day	1.59	368.00	585.12
0115	Coolie	day	0.71	368.00	261.28
0101	Bhisti	day	0.09	407.00	36.63
	Extra labour for lifting of material (above floor two level up to floor five level)				
0115	Coolie	day	1.13	368.00	415.84
9999	Sundries, scaffolding etc.	L.S.	37.70	1.73	65.22
	TOTAL				4427.82
	Add 1 % Water charges				44.28
	TOTAL				4472.10
	Add 15 % Contractor's profit and overheads				670.82
	Cost of 1 cum.				5142.92
	Say				5142.90

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	448.00	300.16

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.27	368.00	99.36
	TOTAL				399.52
	Add 1 % Water charges				4.00
	TOTAL				403.52
	Add 15 % Contractor's profit and overheads				60.53
	Cost of 1 cum.				464.05
	Say				464.05

7.10.2 Circular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1157	Details of cost for 1 cum				
	Stone for masonry work	cum	0.32	865.00	276.80
2215	Carriage of Soling stone & masonry stone	cum	0.32	122.08	39.07
	LABOUR				
	Labour for cutting and dressing :				
0125	Mason (for plain stone work) 2nd class)	day	1.67	448.00	748.16
0115	Coolie	day	0.35	368.00	128.80
	Total				1192.83
	Add 1 % Water charges				11.93
	Total				1204.76
	Add 15 % Contractor's profit and overheads				180.71
	Cost of 1 cum				1385.47
	Say				1385.45

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	865.00	95.15
2215	Carriage of Soling stone & masonry stone	cum	0.11	122.08	13.43
	Labour for cutting and dressing:				
0125	Mason (for plain stone work) 2nd class)	day	0.33	448.00	147.84
0115	Coolie	day	0.53	368.00	195.04
	TOTAL				451.46
	Add 1 % Water charges				4.51
	TOTAL				455.97
	Add 15 % Contractor's profit and overheads				68.40
	Cost of 1 cum.				524.37
	Say				524.35

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 cu dm. MATERIAL Red sand stone Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm				
1160	Red sand stone block	10 cu dm	1.333	65.00	86.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t. Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)	tonne	0.031	92.24	2.86
0115	Coolie Dressing charges LABOUR	day	0.015	368.00	5.52
0125	Mason (for plain stone work) 2nd class)	day	0.088	448.00	39.42
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani Fixing charges LABOUR	day	0.044	407.00	17.91
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
	TOTAL				254.96
	Add 1 % Water charges				2.55
	TOTAL				257.51
	Add 15 % Contractor's profit and overheads				38.63
	Cost of 10 cu dm.				296.14
	Cost of 1 cu m.				29614.00
	Say				29614.00

7.12.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cu dm. MATERIAL White sand stone block Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.	10 cu dm	1.333	70.00	93.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30 = 30.659 kg = 0.03065 tonne say 0.031 t.	tonne	0.031	92.24	2.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Extra labour for lifting of materials upto floor V level. (0.01 x 1.50 =0.015) Coolie Dressing charges LABOUR	day	0.015	368.00	5.52
0125	Mason (for plain stone work) 2nd class)	day	0.088	448.00	39.42
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.044	407.00	17.91
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
	TOTAL				261.62
	Add 1 % Water charges				2.62
	TOTAL				264.24
	Add 15 % Contractor's profit and overheads				39.64
	Cost of 10 cudm.				303.88
	Cost of 1 cum.				30388.00
	Say				30388.00

7.12.2 Both face dressed

7.12.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm. MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Cost of stone	10 cudm	1.333	65.00	86.65
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 (0.01x1.50 = 0.015)	tonne	0.031	92.24	2.86
0115	Coolie Dressing charges LABOUR	day	0.015	368.00	5.52
0125	Mason (for plain stone work) 2nd class)	day	0.176	448.00	78.85
0102	Blacksmith 1st class	day	0.012	487.00	5.84
0114	Beldar	day	0.088	368.00	32.38

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.044	368.00	16.19
0100	Bandhani	day	0.088	407.00	35.82
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
	TOTAL				339.50
	Add 1 % Water charges				3.40
	TOTAL				342.90
	Add 15 % Contractor's profit and overheads				51.44
	Cost of 10 cudm.				394.34
	Cost of 1 cum.				39434.00
	Say				39434.00

7.12.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	70.00	93.31
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 material upto floor V level. (0.01 x 1.50 = 0.015)	tonne	0.031	92.24	2.86
0115	Coolie Dressing charges LABOUR	day	0.015	368.00	5.52
0125	Mason (for plain stone work) 2nd class)	day	0.176	448.00	78.85
0102	Blacksmith 1st class	day	0.012	487.00	5.84
0114	Beldar	day	0.088	368.00	32.38
0115	Coolie	day	0.044	368.00	16.19
0100	Bandhani	day	0.088	407.00	35.82
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
	TOTAL				346.16
	Add 1 % Water charges				3.46
	TOTAL				349.62
	Add 15 % Contractor's profit and overheads				52.44
	Cost of 10 cudm.				402.06
	Cost of 1 cum.				40206.00
	Say				40206.00

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 ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	65.00	86.65
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. Dressing charges	tonne	0.031	92.24	2.86
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.088	448.00	39.42
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.044	407.00	17.91
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
9999	Centering and shuttering	L.S.	13.52	1.73	23.39
9999	Extra for using white cement	L.S.	8.06	1.73	13.94
	Extra labour for lifting of material (above floor two level up to floor five level) (0.01 x 1.5 = 0.015)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				292.29
	Add 1 % Water charges				2.92
	TOTAL				295.21
	Add 15 % Contractor's profit and overheads				44.28
	Cost of 10 cum.				339.49
	Cost of 1 cum.				33949.00
	Say				33949.00

7.13.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cum or 0.01 cum MATERIAL White sand stone block Finished work = 10 cum.+ Add wastage @ 33.3% = 3.33 cum. Total = 13.33 cum.	10 cum	1.333	70.00	93.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cum = 13.33x2.30=30.659 kg = 0.03065 tonne say 0.031t Dressing charges	tonne	0.031	92.24	2.86
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.088	448.00	39.42
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.044	407.00	17.91
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
9999	Centering and shuttering	L.S.	13.52	1.73	23.39
9999	Extra for using white cement	L.S.	8.06	1.73	13.94
	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	368.00	5.52
	TOTAL				298.95
	Add 1 % Water charges				2.99
	TOTAL				301.94
	Add 15 % Contractor's profit and overheads				45.29
	Cost of 10 cum.				347.23
	Cost of 1 cum.				34723.00
	Say				34723.00

7.13.2 Both face dressed

7.13.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	65.00	86.65
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. Dressing charges	tonne	0.031	92.24	2.86
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.176	448.00	78.85
0102	Blacksmith 1st class	day	0.012	487.00	5.84
0114	Beldar	day	0.088	368.00	32.38
0115	Coolie	day	0.044	368.00	16.19
0100	Bandhani	day	0.088	407.00	35.82
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
9999	Centering and shuttering	L.S.	13.52	1.73	23.39
9999	Extra for using white cement	L.S.	8.06	1.73	13.94
	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	368.00	5.52
	TOTAL				376.83
	Add 1 % Water charges				3.77
	TOTAL				380.60
	Add 15 % Contractor's profit and overheads				57.09
	Cost of 10 cudm.				437.69
	Cost of 1 cum.				43769.00
	Say				43769.00

7.13.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	70.00	93.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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. Dressing charges LABOUR	tonne	0.031	92.24	2.86
0125	Mason (for plain stone work) 2nd class)	day	0.176	448.00	78.85
0102	Blacksmith 1st class	day	0.012	487.00	5.84
0114	Beldar	day	0.088	368.00	32.38
0115	Coolie	day	0.044	368.00	16.19
0100	Bandhani	day	0.088	407.00	35.82
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
9999	Centering and shuttering	L.S.	13.52	1.73	23.39
9999	Extra for using white cement	L.S.	8.06	1.73	13.94
	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	368.00	5.52
	TOTAL				383.49
	Add 1 % Water charges				3.83
	TOTAL				387.32
	Add 15 % Contractor's profit and overheads				58.10
	Cost of 10 cudm.				445.42
	Cost of 1 cum.				44542.00
	Say				44542.00

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 ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	65.00	86.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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 Dressing charges LABOUR	tonne	0.031	92.24	2.86
0125	Mason (for plain stone work) 2nd class)	day	0.176	448.00	78.85
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0126	Mason (for ornamental stone work) 1st class	day	0.176	487.00	85.71
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani Fixing charges LABOUR	day	0.044	407.00	17.91
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
9999	Centring and shuttering	L.S.	33.15	1.73	57.35
9999	Extra for using white cement Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)	L.S.	8.06	1.73	13.94
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				451.39
	Add 1 % Water charges				4.51
	TOTAL				455.90
	Add 15 % Contractor's profit and overheads				68.39
	Cost of 10 cudm.				524.29
	Cost of 1 cum.				52429.00
	Say				52429.00

7.14.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	70.00	93.31
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 Dressing charges	tonne	0.031	92.24	2.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.176	448.00	78.85
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0126	Mason (for ornamental stone work) 1st class	day	0.176	487.00	85.71
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.044	407.00	17.91
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
9999	Centring and shuttering	L.S.	33.15	1.73	57.35
9999	Extra for using white cement	L.S.	8.06	1.73	13.94
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)				
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				458.05
	Add 1 % Water charges				4.58
	TOTAL				462.63
	Add 15 % Contractor's profit and overheads				69.39
	Cost of 10 cu dm.				532.02
	Cost of 1 cum.				53202.00
	Say				53202.00

7.14.2 Both face dressed

7.14.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 cu dm.				
	MATERIAL				
1160	Red sand stone block Finished work = 10 cu dm.+ Add wastage @ 33.3% = 3.33 cu dm. Total = 13.33 cu dm.	10 cu dm	1.333	65.00	86.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm = 13.33x2.30=30.659 kg =0.03065 tonne say 0.031 t	tonne	0.031	92.24	2.86
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.352	448.00	157.70
0102	Blacksmith 1st class	day	0.012	487.00	5.84
0126	Mason (for ornamental stone work) 1st class	day	0.352	487.00	171.42
0114	Beldar	day	0.088	368.00	32.38
0115	Coolie	day	0.044	368.00	16.19

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0100	Bandhani Fixing charges LABOUR	day	0.088	407.00	35.82
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
9999	Centring and shuttering	L.S.	33.15	1.73	57.35
9999	Extra for using white cement	L.S.	8.06	1.73	13.94
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)				
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				661.06
	Add 1 % Water charges				6.61
	TOTAL				667.67
	Add 15 % Contractor's profit and overheads				100.15
	Cost of 10 cum.				767.82
	Cost of 1 cum.				76782.00
	Say				76782.00

7.14.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cum or 0.01 cum MATERIAL White sand stone block Finished work = 10 cum.+ Add wastage @ 33.3% = 3.33 cum. Total = 13.33 cum.	10 cum	1.333	70.00	93.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cum = 13.33x2.30=30.659 kg =0.03065 tonne say 0.031 t Dressing charges LABOUR	tonne	0.031	92.24	2.86
0125	Mason (for plain stone work) 2nd class)	day	0.352	448.00	157.70
0102	Blacksmith 1st class	day	0.012	487.00	5.84
0126	Mason (for ornamental stone work) 1st class	day	0.352	487.00	171.42
0114	Beldar	day	0.088	368.00	32.38
0115	Coolie	day	0.044	368.00	16.19
0100	Bandhani Fixing charges LABOUR	day	0.088	407.00	35.82
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
9999	Centring and shuttering	L.S.	33.15	1.73	57.35
9999	Extra for using white cement	L.S.	8.06	1.73	13.94
	Extra labour for lifting of material up to floor five level (0.01 x 1.5 = 0.015)				
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				667.72
	Add 1 % Water charges				6.68
	TOTAL				674.40
	Add 15 % Contractor's profit and overheads				101.16
	Cost of 10 cudm.				775.56
	Cost of 1 cum.				77556.00
	Say				77556.00

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 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 ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm.+ Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	65.00	86.65
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 Dressing charges LABOUR	tonne	0.031	92.24	2.86
0125	Mason (for plain stone work) 2nd class)	day	0.059	448.00	26.43
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.044	407.00	17.91
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)	L.S.	8.06	1.73	13.94
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				241.97
	Add 1 % Water charges				2.42
	TOTAL				244.39
	Add 15 % Contractor's profit and overheads				36.66
	Cost of 10 cum.				281.05
	Cost of 1 cum.				28105.00
	Say				28105.00

7.15.1.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cum or 0.01 cum MATERIAL White sand stone block	10 cum	1.333	70.00	93.31
	Finished work = 10 cum.+ Add wastage @ 33.3% = 3.33 cum. Total = 13.33 cum.				
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cum = 13.33x2.30 =30.659 tonne = 0.03065kg say 0.031 t	tonne	0.031	92.24	2.86
	Dressing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.059	448.00	26.43
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.044	407.00	17.91
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level (0.01x1.50 = 0.015)	L.S.	8.06	1.73	13.94
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				248.63
	Add 1 % Water charges				2.49
	TOTAL				251.12
	Add 15 % Contractor's profit and overheads				37.67
	Cost of 10 cum.				288.79
	Cost of 1 cum.				28879.00
	Say				28879.00

7.15.2 Both faced punched

7.15.2.1 Red sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 10 cudm or 0.01 cum MATERIAL Red sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm	10 cudm	1.333	65.00	86.65
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. Extra labour for lifting of materials upto floor V level 0.01x1.50 = 0.015	tonne	0.031	92.24	2.86
0115	Coolie Dressing charges LABOUR	day	0.015	368.00	5.52
0125	Mason (for plain stone work) 2nd class)	day	0.118	448.00	52.86
0102	Blacksmith 1st class	day	0.012	487.00	5.84
0114	Beldar	day	0.088	368.00	32.38
0115	Coolie	day	0.044	368.00	16.19
0100	Bandhani Fixing charges LABOUR	day	0.088	407.00	35.82
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
	TOTAL				313.51
	Add 1 % Water charges				3.14
	TOTAL				316.65
	Add 15 % Contractor's profit and overheads				47.50
	Cost of 10 cudm.				364.15
	Cost of 1 cum.				36415.00
	Say				36415.00

7.15.2.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1161	Details of cost for 10 cudm or 0.01 cum MATERIAL White sand stone block Finished work = 10 cudm. Add wastage @ 33.3% = 3.33 cudm. Total = 13.33 cudm.	10 cudm	1.333	70.00	93.31

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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. Extra labour for lifting of material upto floor V level. (0.01 x 1.50 = 0.015)	tonne	0.031	92.24	2.86
0115	Coolie Dressing charges LABOUR	day	0.015	368.00	5.52
0125	Mason (for plain stone work) 2nd class)	day	0.118	448.00	52.86
0102	Blacksmith 1st class	day	0.012	487.00	5.84
0114	Beldar	day	0.088	368.00	32.38
0115	Coolie	day	0.044	368.00	16.19
0100	Bandhani Fixing charges LABOUR	day	0.088	407.00	35.82
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing	L.S.	8.06	1.73	13.94
	TOTAL				320.17
	Add 1 % Water charges				3.20
	TOTAL				323.37
	Add 15 % Contractor's profit and overheads				48.51
	Cost of 10 cudm.				371.88
	Cost of 1 cum.				37188.00
	Say				37188.00

7.16 Extra for stone work, random rubble / coursed rubble masonry / ashlar masonry above floor V level for every four floors or part thereof.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Details of cost for 10 cudm or 0.01 cum above floor V level Labour required for lifting of material (above floor five level for each additional four floor or part their of) Extra labour for lifting of materials above floor V level (0.01 x 2.0 = 0.020)	day	0.02	368.00	7.36
	Beldar				7.36
	TOTAL				0.07
	Add 1 % Water charges				7.43
	TOTAL				1.11
	Add 15 % Contractor's profit and overheads				8.54
	Cost of 10 cudm.				854.00
	Cost of 1 cum.				854.00
	Say				854.00

7.17 Extra for plain ashlar or ashlar punched in :

7.17.1 Square or rectangular pillars

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cudm or 0.01 cum Labour and materials	L.S.	8.97	1.73	15.52
	TOTAL				15.52
	Add 1 % Water charges				0.16
	TOTAL				15.68
	Add 15 % Contractor's profit and overheads				2.35
	Cost of 10 cudm.				18.03
	Cost of 1 cum.				1803.00
	Say				1803.00

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 ₹
9999	Details of cost for 10 cudm or 0.01 cum Labour and materials	L.S.	6.24	1.73	10.80
	TOTAL				10.80
	Add 1 % Water charges				0.11
	TOTAL				10.91
	Add 15 % Contractor's profit and overheads				1.64
	Cost of 10 cudm.				12.55
	Cost of 1 cum.				1255.00
	Say				1255.00

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 33.31 sqm Centering and shuttering for arches and carved surface exceeding 6m in span (an average of 8m) Radius R = 5m $2R-2 = 4+4$ $\tan^{-1}(4/3)=53.28^\circ$ $2 \times 53.28=106^\circ$ Surface area $=2 \times 22/7 \times 5 \times 3.6 \times 106/360$ $=33.31 \text{sqm.}$ Arc=9.25m MATERIAL Tie- $2 \times 8 \times 0.18 \times 0.05 = 0.144 \text{cum}$ Struts- $2 \times 2.5 \times 0.1 \times 0.1 = 0.050 \text{cum.}$ Struts- $2 \times 1.77 \times 0.1 \times 0.1 = 0.035 \text{cum.}$ Ribs- $6 \times 1.54 \times 0.23 \times 0.1 = 0.213 \text{cum.}$ Struts- $2 \times 1.72 \times 0.1 \times 0.1 = 0.034 \text{cum.}$ Total=0.476cum. For four such frames $=0.476 \times 4 = 1.904 \text{ cum.}$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1197	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.				
1197	Second class kail wood in scantling	10 cudm	88.79	260.00	23085.40
2204	Carriage of Timber	cum	0.8879	118.59	105.30
	Fittings: 3 way straps 50mmx10mm = 32 Nos. 32 no. @0.50cm each = 16m Straps-50mmx10mm = 8 Nos. @0.25cm each = 2m Total = 18m 18m, wt @ 3.9kg/m = 70.2 kg. = 0.702q Qty taken 1/8th of qty for cost using once = 0.702/8 = 0.08775 Qtl				
1225	Mild steel flat strap fitting	quintal	0.0878	4000.00	351.20
	Bolts 160 Nos. 254 mm long 16mm dia.- 160x.254xl .58=64.21 kg=0.64q. Qty taken 1/8th of qty for cost using once = 0.64/8 = 0.08 Qtl				
1034	Bolts and nuts upto 300 mm in length	quintal	0.08	5100.00	408.00
	Carriage of steel = 0.1342t Qty taken 1/8th of qty for cost using once = 0.1342/8 = 0.01677 t = 0.0168 t				
2302	Carriage of G.I.sheet and accessories	tonne	0.0168	92.24	1.55
	LABOUR				
0112	Carpenter 2nd class	day	28.00	448.00	12544.00
0114	Beldar	day	24.00	368.00	8832.00
9999	Sundries	L.S.	134.55	1.73	232.77
	Less Cost of shuttering etc. for an arch exceeding 6 m span i.e. for an average of 8 m span				
5.9.9	Rate as per item no 5.9.9 of SH : Reinforced cement concrete work	sqm	-33.31	1136.85	-37868.47
	TOTAL				7691.75
	Add 1 % Water charges on all except (A) i.e. on (7691.75 - -37868.47) = 45560.22				455.60
	TOTAL				8147.35
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8147.35 -37868.47) = 46015.82				6902.37
	Cost of 33.31sqm.				15049.72
	Cost per sqm of soffit area				451.80
	Say				451.80

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	65.00	86.65
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	92.24	2.86
9999	Extra for using white cement Dressing charges	L.S.	8.06	1.73	13.94
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.291	448.00	130.37
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.044	407.00	17.91
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level (0.01x1.50=0.015)	L.S.	8.06	1.73	13.94
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				359.85
	Add 1 % Water charges				3.60
	TOTAL				363.45
	Add 15 % Contractor's profit and overheads				54.52
	Cost of 10 cudm.				417.97
	Cost of 1 cum.				41797.00
	Say				41797.00

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	70.00	93.31
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	92.24	2.86

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Extra for using white cement Dressing charges LABOUR	L.S.	8.06	1.73	13.94
0125	Mason (for plain stone work) 2nd class)	day	0.291	448.00	130.37
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.044	368.00	16.19
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.044	407.00	17.91
	Fixing charges LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.044	448.00	19.71
0102	Blacksmith 1st class	day	0.006	487.00	2.92
0114	Beldar	day	0.022	368.00	8.10
0115	Coolie	day	0.022	368.00	8.10
0100	Bandhani	day	0.022	407.00	8.95
0101	Bhisti	day	0.022	407.00	8.95
9999	Scaffolding	L.S.	2.73	1.73	4.72
9999	Mortar for laying and pointing Extra labour for lifting of materials upto floor V level 0.01x1.50=0.015	L.S.	8.06	1.73	13.94
0115	Coolie	day	0.015	368.00	5.52
	TOTAL				366.51
	Add 1 % Water charges				3.67
	TOTAL				370.18
	Add 15 % Contractor's profit and overheads				55.53
	Cost of 10 cudm.				425.71
	Cost of 1 cum.				42571.00
	Say				42571.00

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 ₹
9999	Details of cost for 10 cudm or 0.01 cum LABOUR	L.S.	11.70	1.73	20.24
	TOTAL				20.24
	Add 1 % Water charges				0.20
	TOTAL				20.44
	Add 15 % Contractor's profit and overheads				3.07
	Cost of 10 cudm.				23.51
	Cost of 1 cum.				2351.00
	Say				2351.00

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	1.73	57.35
	TOTAL				57.35
	Add 1 % Water charges				0.57
	TOTAL				57.92
	Add 15 % Contractor's profit and overheads				8.69
	Cost of 10 cudm.				66.61
	Cost of 1 cum.				6661.00
	Say				6661.00

7.22 Extra for stone work ashlar sunk or moulded in cornices.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0125	Details of cost for a cornice 30cm long 60cm deep and 15cm projection Extra labour :				
0114	Mason (for plain stone work) 2nd class)	day	0.50	448.00	224.00
	Beldar	day	0.75	368.00	276.00
	TOTAL				500.00
	Add 1 % Water charges				5.00
	TOTAL				505.00
	Add 15 % Contractor's profit and overheads				75.75
	Cost of 30cm long 60cm deep and 15cm girth				580.75
	Cost of per metre per cm girth				25.81
	Say				25.80

7.23 Stone work (machine cut edges) for wall lining etc. (vener 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) :

7.23.1 Red sand stone - exposed face fine dressed with rough backing.

7.23.1.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1160	Details of cost for 1 sqm. MATERIAL Finished work = 70 cudm. + Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.				
2216	Red sand stone block	10 cudm	9.333	65.00	606.65
9999	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	92.24	19.83
	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2388.93
	Add 1 % Water charges				23.89
	TOTAL				2412.82
	Add 15 % Contractor's profit and overheads				361.92
	Cost of 1 sqm.				2774.74
	Say				2774.75

7.23.1.2 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	65.00	520.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	92.24	16.97
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75

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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2299.42
	Add 1 % Water charges				22.99
	TOTAL				2322.41
	Add 15 % Contractor's profit and overheads				348.36
	Cost of 1 sqm.				2670.77
	Say				2670.75

7.23.1.3 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	65.00	433.55
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	92.24	14.11
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2210.11
	Add 1 % Water charges				22.10
	TOTAL				2232.21
	Add 15 % Contractor's profit and overheads				334.83
	Cost of 1 sqm.				2567.04
	Say				2567.05

7.23.1.4 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	65.00	346.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	92.24	11.35
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2120.45
	Add 1 % Water charges				21.20
	TOTAL				2141.65
	Add 15 % Contractor's profit and overheads				321.25
	Cost of 1 sqm.				2462.90
	Say				2462.90

7.23.1.5 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	65.00	259.94
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	92.24	8.49
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2030.88
	Add 1 % Water charges				20.31
	TOTAL				2051.19
	Add 15 % Contractor's profit and overheads				307.68
	Cost of 1 sqm.				2358.87
	Say				2358.85

7.23.2 Red sand stone - Exposed face machine cut and table rubbed with rough backing.

7.23.2.1 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	65.00	606.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	92.24	19.83
9999	Extra for using white cement	L.S.	26.91	1.73	46.55
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				3224.13
	Add 1 % Water charges				32.24
	TOTAL				3256.37
	Add 15 % Contractor's profit and overheads				488.46
	Cost of 1 sqm.				3744.83
	Say				3744.85

7.23.2.2 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	65.00	520.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	92.24	16.97
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				3134.62
	Add 1 % Water charges				31.35
	TOTAL				3165.97
	Add 15 % Contractor's profit and overheads				474.90
	Cost of 1 sqm.				3640.87
	Say				3640.85

7.23.2.3 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	65.00	433.55
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	92.24	14.11
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				3045.31
	Add 1 % Water charges				30.45
	TOTAL				3075.76
	Add 15 % Contractor's profit and overheads				461.36
	Cost of 1 sqm.				3537.12
	Say				3537.10

7.23.2.4 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	65.00	346.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	92.24	11.35
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2955.65
	Add 1 % Water charges				29.56
	TOTAL				2985.21
	Add 15 % Contractor's profit and overheads				447.78
	Cost of 1 sqm.				3432.99
	Say				3433.00

7.23.2.5 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	65.00	259.94
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	92.24	8.49
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75

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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2866.08
	Add 1 % Water charges				28.66
	TOTAL				2894.74
	Add 15 % Contractor's profit and overheads				434.21
	Cost of 1 sqm.				3328.95
	Say				3328.95

7.23.3 White sand stone - exposed face fine dressed with rough backing .

7.23.3.1 70 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 70 cum. Add wastage @ 33.3% = 23.33 cum. Total = 93.33 cum.				
1161	White sand stone block	10 cum	9.333	70.00	653.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cum	tonne	0.215	92.24	19.83
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	Day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2435.59
	Add 1 % Water charges				24.36
	TOTAL				2459.95
	Add 15 % Contractor's profit and overheads				368.99
	Cost of 1 sqm.				2828.94
	Say				2828.95

7.23.3.2 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.				
1161	White sand stone block	10 cudm	8.00	70.00	560.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	92.24	16.97
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2339.42
	Add 1 % Water charges				23.39
	TOTAL				2362.81
	Add 15 % Contractor's profit and overheads				354.42
	Cost of 1 sqm.				2717.23
	Say				2717.25

7.23.3.3 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	70.00	466.90
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.153	92.24	14.11
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing				
	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2243.46
	Add 1 % Water charges				22.43
	TOTAL				2265.89
	Add 15 % Contractor's profit and overheads				339.88
	Cost of 1 sqm.				2605.77
	Say				2605.75

7.23.3.4 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	70.00	373.10
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.123	92.24	11.35
9999	Extra for using white cement	L.S.	26.91	1.73	46.55
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2146.90
	Add 1 % Water charges				21.47
	TOTAL				2168.37
	Add 15 % Contractor's profit and overheads				325.26
	Cost of 1 sqm.				2493.63
	Say				2493.65

7.23.3.5 30 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL Finished work = 30 cu dm. Add wastage @ 33.3% = 9.99 cu dm. Total = 39.99 cu dm.				
1161	White sand stone block	10 cu dm	3.999	70.00	279.93
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cu dm.	tonne	0.092	92.24	8.49
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.35	448.00	604.80
0102	Blacksmith 1st class	day	0.032	487.00	15.58
0114	Beldar	day	0.224	368.00	82.43
0115	Coolie	day	0.112	368.00	41.22
0100	Bandhani	day	0.224	407.00	91.17
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2050.87
	Add 1 % Water charges				20.51
	TOTAL				2071.38
	Add 15 % Contractor's profit and overheads				310.71
	Cost of 1 sqm.				2382.09
	Say				2382.10

7.23.4 White sand stone - Exposed face machine cut and table rubbed with rough backing.

7.23.4.1 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	70.00	653.31
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	92.24	19.83
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				3270.79
	Add 1 % Water charges				32.71
	TOTAL				3303.50
	Add 15 % Contractor's profit and overheads				495.53
	Cost of 1 sqm.				3799.03
	Say				3799.05

7.23.4.2 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	70.00	560.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	92.24	16.97
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				3174.62
	Add 1 % Water charges				31.75
	TOTAL				3206.37
	Add 15 % Contractor's profit and overheads				480.96
	Cost of 1 sqm.				3687.33
	Say				3687.35

7.23.4.3 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	70.00	466.90
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.153	92.24	14.11
9999	Extra for using white cement	L.S.	26.91	1.73	46.55
	Dressing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75

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	1.73	34.18
3.8	Mortar for laying and pointing				
	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				3078.66
	Add 1 % Water charges				30.79
	TOTAL				3109.45
	Add 15 % Contractor's profit and overheads				466.42
	Cost of 1 sqm.				3575.87
	Say				3575.85

7.23.4.4 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	70.00	373.10
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.123	92.24	11.35
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Mortar for laying and pointing				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2982.10
	Add 1 % Water charges				29.82
	TOTAL				3011.92
	Add 15 % Contractor's profit and overheads				451.79
	Cost of 1 sqm.				3463.71
	Say				3463.70

7.23.4.5 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	70.00	279.93
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.092	92.24	8.49
9999	Extra for using white cement Dressing charges	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	2.70	448.00	1209.60
0102	Blacksmith 1st class	day	0.064	487.00	31.17
0114	Beldar	day	0.448	368.00	164.86
0115	Coolie	day	0.224	368.00	82.43
0100	Bandhani	day	0.448	407.00	182.34
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				2886.07
	Add 1 % Water charges				28.86
	TOTAL				2914.93
	Add 15 % Contractor's profit and overheads				437.24
	Cost of 1 sqm.				3352.17
	Say				3352.15

7.23.5 Gang saw cut stone

7.23.5.1 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	400.00	420.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.072	92.24	6.64
9999	Extra for using white cement Fixing charges	L.S.	26.91	1.73	46.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				1353.89
	Add 1 % Water charges				13.54
	TOTAL				1367.43
	Add 15 % Contractor's profit and overheads				205.11
	Cost of 1 sqm.				1572.54
	Say				1572.55

7.23.5.2 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	350.00	367.50
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.072	92.24	6.64
9999	Extra for using white cement	L.S.	26.91	1.73	46.55
	Fixing charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
0101	Bhisti	day	0.336	407.00	136.75
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	1.73	34.18
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	4723.50	85.02
	TOTAL				1301.39
	Add 1 % Water charges				13.01
	TOTAL				1314.40
	Add 15 % Contractor's profit and overheads				197.16
	Cost of 1 sqm.				1511.56
	Say				1511.55

7.24 Extra for stone work (vener work) curved on plan with a mean radius not exceeding 6 m.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10 cudm. Labour and materials	L.S.	8.97	1.73	15.52
	TOTAL				15.52
	Add 1 % Water charges				0.16
	TOTAL				15.68
	Add 15 % Contractor's profit and overheads				2.35
	Cost of 10 cudm.				18.03
	Cost of 1 cum.				1803.00
	Say				1803.00

7.25 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 $10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^5$ $10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^5$ $= 13.3 \times 10^5$ less hole $10 \times 0.024 \times 0.010 \times 0.006$ $= 1.4 \times 10^5$ $= 11.9 \times 10^5 \times 7850 = 0.934 \text{ kg}$ Add wastage @ 5% = 0.047kg. Total = 0.981 kg.				
7339	Stainless steel cramp	kilogram	0.981	300.00	294.30
9977	CARRIAGE	L.S.	3.90	1.73	6.75
	Cement mortar 1:2 (1 cement : 2 coarse sand)				
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5551.75	5.55
9999	Labour for fixing in position	L.S.	65.00	1.73	112.45
	TOTAL				419.05
	Add 1 % Water charges				4.19
	TOTAL				423.24
	Add 15 % Contractor's profit and overheads				63.49
	Cost for 0.934 kg.				486.73
	Cost per kg				521.12
	Say				521.10

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 ₹
9999	Details of cost for one dowel				
9999	Cost of stone including carriage	L.S.	9.10	1.73	15.74
9999	Labour for dressing dowel cutting chase and fixing etc.	L.S.	5.33	1.73	9.22
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand)				
	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5551.75	5.55
	TOTAL				30.51
	Add 1 % Water charges				0.31
	TOTAL				30.82
	Add 15 % Contractor's profit and overheads				4.62
	Cost of each dowel				35.44
	Say				35.45

7.27 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				
0873	MATERIAL				
9999	Copper pins 6 mm dia 7.5 cm long	each	1.00	10.00	10.00
9999	Labour for making pin in to required shape and size, cutting chases in stone and fixing in position	L.S.	3.90	1.73	6.75
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand)				
	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5551.75	5.55
9999	Sundries including hire charges of hand cut machine etc.	L.S.	1.95	1.73	3.37
	TOTAL				25.67
	Add 1 % Water charges				0.26
	TOTAL				25.93
	Add 15 % Contractor's profit and overheads				3.89
	Cost of one copper pin				29.82
	Say				29.80

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 ₹
1164	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 Red sand stone slab 40 mmthick (un-dressed)	sqm	2.75	200.00	550.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm. Labour for dressing:	tonne	0.253	92.24	23.34
0125	Mason (for plain stone work) 2nd class)	day	0.50	448.00	224.00
1002	Mild steel round bar 12 mm dia and below	quintal	0.02	3675.00	73.50
9999	Cutting threads and cost of nuts, washers, etc. Mortar for pointing 1:2 (1 Cement : 2 Stone dust)	L.S.	67.34	1.73	116.50
3.12	Rate as per Item Number 3.12 of SH: Mortars	cum	0.009	5233.50	47.10
9999	Pigment	L.S.	6.24	1.73	10.80
9999	Extra cost of white cement	L.S.	26.91	1.73	46.55
0125	LABOUR Mason (for plain stone work) 2nd class)	day	1.00	448.00	448.00
0114	Beldar	day	1.50	368.00	552.00
9999	Scaffolding and sundries etc. Brick cover support 4 courses with bricks of class designation 75 4x7+5+5=38cm girth 2.5m length =38cmx2.5m=95cm	L.S.	16.12	1.73	27.89
9999	Cost of Brick cover support. 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.	L.S.	104.00	1.73	179.92
6.4.1	Rate as per item No 6.4.1 of SH :- Brick work. TOTAL	cum	0.018	5801.50	104.43(A) 2404.03
	Add 1 % Water charges on all except (A) i.e. on (2404.03 - 104.43) = 2299.60 TOTAL				23.00 2427.03
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2427.03 - 104.43) = 2322.60 Cost of 2 sqm. Cost of 1 sqm. Say				348.39 2775.42 1387.71 1387.70

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				
1165	Chisel dressed 80cm sloping length plus 20cm bearing Area = 2.5x1.00=2.50sqm White sand stone slab 40 mm thick (un-dressed)	sqm	2.75	200.00	550.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.253	92.24	23.34
	Labour for dressing:				
0125	Mason (for plain stone work) 2nd class)	day	0.50	448.00	224.00
	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	3675.00	73.50
9999	Cutting threads and cost of nuts, washers, etc.	L.S.	67.34	1.73	116.50
	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	5233.50	47.10
9999	Pigment	L.S.	6.24	1.73	10.80
9999	Extra cost of white cement	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	1.00	448.00	448.00
0114	Beldar	day	1.50	368.00	552.00
9999	Scaffolding and sundries etc.	L.S.	16.12	1.73	27.89
	Brick cover support 4 courses with bricks of class designation 7.5 4x7+5+5=38cm girth 2.5m length =38cmx2.5m=95cm				
9999	Cost for Brick cover support .	L.S.	104.00	1.73	179.92
	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	5801.50	104.43(A)
	TOTAL				2404.03
	Add 1 % Water charges on all except (A) i.e. on (2404.03 - 104.43) = 2299.60				23.00
	TOTAL				2427.03
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2427.03 - 104.43) = 2322.60				348.39
	Cost of 2 sqm.				2775.42
	Cost of 1 sqm.				1387.71
	Say				1387.70

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 (un-dressed)	sqm	2.25	200.00	450.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.227	92.24	20.94
	Labour for dressing:				
0125	Mason (for plain stone work) 2nd class)	day	0.45	448.00	201.60
9999	Mortar for pointing 1:2	L.S.	53.82	1.73	93.11
9999	Pigment	L.S.	6.24	1.73	10.80
9999	Extra cost of white cement	L.S.	26.91	1.73	46.55
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.60	448.00	268.80
0114	Beldar	day	0.80	368.00	294.40
9999	Scaffolding and sundries etc.	L.S.	13.52	1.73	23.39
	TOTAL				1409.59
	Add 1 % Water charges				14.10
	TOTAL				1423.69
	Add 15 % Contractor's profit and overheads				213.55
	Cost of 1.875 sqm.				1637.24
	Cost of 1 sqm.				873.19
	Say				873.20

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	200.00	450.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/cudm.	tonne	0.227	92.24	20.94
	Labour for dressing:				
0125	Mason (for plain stone work) 2nd class)	day	0.45	448.00	201.60
9999	Mortar for pointing 1:2	L.S.	53.82	1.73	93.11
9999	Pigment	L.S.	6.24	1.73	10.80
9999	Extra cost of white cement	L.S.	26.91	1.73	46.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.60	448.00	268.80
0114	Beldar	day	0.80	368.00	294.40
9999	Scaffolding and sundries etc.	L.S.	13.52	1.73	23.39
	TOTAL				1409.59
	Add 1 % Water charges				14.10
	TOTAL				1423.69
	Add 15 % Contractor's profit and overheads				213.55
	Cost of 1.875 sqm.				1637.24
	Cost of 1 sqm.				873.19
	Say				873.20

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				
	Total area = $1.6 \times 0.85=1.36$ sqm.				
	Red stone brackets (chisel dressed) 30mm average thickness over all width of brackets				
	$0.53+0.23=0.76$ m				
	$2 \times 0.3 \times 0.76=0.46$				
	Total $1.36+0.46 =1.82$ sqm.+				
	Add wastage @10% = 0.18sqm.				
	Total = 2.00 sqm.				
1166	Red sand stone slab 30 mmthick (un-dressed)	sqm	2.00	180.00	360.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.14	92.24	12.91
9999	Cement mortar 1 :4	L.S.	13.52	1.73	23.39
	Labour for dressing and fixing:				
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	0.86	448.00	385.28
0114	Beldar	day	0.50	368.00	184.00
	TOTAL				965.58
	Add 1 % Water charges				9.66
	TOTAL				975.24
	Add 15 % Contractor's profit and overheads				146.29
	Cost for 1.12 sqm.				1121.53
	Cost of 1 sqm.				1001.36
	Say				1001.35

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 and dowel bars 7.5 cm long 6 mm dia as per design.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 bracket Quantity of stone for 1 bracket 1 x 55 x 22.5 x 45cm = 0.056cum or 56 cum. Red sand stone = 56 cum. Add wastage 10% = 5.6 cum. Total = 61.6 cum.				
1160	Red sand stone block	10 cum	6.16	65.00	400.40
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.3kg/ cum. Dressing charges LABOUR	tonne	0.14	92.24	12.91
0125	Mason (for plain stone work) 2nd class)	day	1.7926	448.00	803.08
0102	Blacksmith 1st class	day	0.037	487.00	18.02
0114	Beldar	day	0.271	368.00	99.73
0115	Coolie	day	0.1355	368.00	49.86
0100	Bandhani	day	0.271	407.00	110.30
0373	Cramp Gun metal 25x6x300 mm Fixing charges LABOUR	each	4.00	80.00	320.00
0125	Mason (for plain stone work) 2nd class)	day	0.2464	448.00	110.39
0102	Blacksmith 1st class	day	0.0336	487.00	16.36
0114	Beldar	day	0.1232	368.00	45.34
0115	Coolie	day	0.1232	368.00	45.34
0100	Bandhani	day	0.1232	407.00	50.14
0101	Bhisti	day	0.1232	407.00	50.14
9999	Scaffolding	L.S.	15.29	1.73	26.45
9999	Mortar for laying and pointing Extra labour for ornamental finish :	L.S.	45.14	1.73	78.09
0126	Mason (for ornamental stone work) 1st class TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost for 1 Bracket Say	day	0.95	487.00	462.65 2699.20 26.99 2726.19 408.93 3135.12 3135.10

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 cornices (30cm long 30cm deep and 7.5cm project-iron) = 6.75cum.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL				
	Stone work plain ashlar cyclopean				
	3x3x0.75 = 6.75 cudm				
7.12.1.1	Rate as per item no 7.12.1.1 of				
	SH : Stone Work	cum	0.00675	29614.00	199.89(A)
9999	Extra for using white cement	L.S.	5.33	1.73	9.22
	Extra labour for making the cornices				
0125	Mason (for plain stone work) 2nd class)	day	0.07	448.00	31.36
0114	Beldar	day	0.07	368.00	25.76
	TOTAL				266.24
	Add 1 % Water charges on all except (A)				
	i.e. on (266.24 - 199.89) = 66.35				0.66
	TOTAL				266.90
	Add 15 % Contractor's profit and overheads				
	on all except (A) i.e. on (266.90 - 199-89)				
	= 67.00				10.05
	Cost of 6.75 cudm				276.95
	Cost per cum.				41029.55
	Say				41029.55

7.32.2 White sand stone

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for cornices (30cm long				
	30cm deep and 7.5cm project-iron) =				
	6.75cudm.				
	MATERIAL				
	Stone work plain ashlar cyclopean				
	3x3x0.75 = 6.75 cudm				
7.12.1.2	Rate as per item no 7.12.2 of				
	SH : Stone Work	cum	0.00675	30388.00	205.12(A)
9999	Extra for using white cement	L.S.	5.33	1.73	9.22
	Extra labour for making the cornices				
0125	Mason (for plain stone work) 2nd class)	day	0.07	448.00	31.36
0114	Beldar	day	0.07	368.00	25.76
	TOTAL				271.46
	Add 1 % Water charges on all except (A)				
	i.e. on (271.46 - 205.12) = 66.34				0.66
	TOTAL				272.12
	Add 15 % Contractor's profit and overheads				
	on all except (A) i.e. on (272.12 - 205.12)				
	= 67.00				10.05
	Cost of 6.75 cudm.				282.17
	Cost per cum.				41803.55
	Say				41803.55

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	200.00	220.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.101	92.24	9.32
	LABOUR For making, dressing and fixing				
0125	Mason (for plain stone work) 2nd class)	day	7.62	448.00	3413.76
0114	Beldar	day	5.07	368.00	1865.76
9999	Mortar and Sundries	L.S.	80.73	1.73	139.66
	TOTAL				5648.50
	Add 1 % Water charges				56.49
	TOTAL				5704.99
	Add 15 % Contractor's profit and overheads				855.75
	Cost of 1 sqm.				6560.74
	Say				6560.75

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	200.00	220.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.101	92.24	9.32
	LABOUR For making, dressing and fixing				
0125	Mason (for plain stone work) 2nd class)	day	7.62	448.00	3413.76
0114	Beldar	day	5.07	368.00	1865.76
9999	Mortar and Sundries	L.S.	80.73	1.73	139.66
	TOTAL				5648.50
	Add 1 % Water charges				56.49
	TOTAL				5704.99
	Add 15 % Contractor's profit and overheads				855.75
	Cost of 1 sqm.				6560.74
	Say				6560.75

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 ₹
0011	Details of cost for depth of water 0.30m. Quantity of concrete = 14 cum. pumping hours = 3 hrs. on 0.375day. Hire charges of Pumpset of capacity 4000 litres/hour.	day	0.375	650.00	243.75
0114	Beldar for cleaning slush	day	4.00	368.00	1472.00
	TOTAL				1715.75
	Add 1 % Water charges				17.16
	TOTAL				1732.91
	Add 15 % Contractor's profit and overheads				259.94
	Cost of 14cum. per 0.30m depth				1992.85
	Cost of cum. per m depth				474.48
	Say				474.50

7.35 Extra for laying stone work in or under foul position.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0123	Details of cost for 1 cum. Extra labour due to slow progress- Mason (brick layer) 1st class	day	0.02	487.00	9.74
0124	Mason (brick layer) 2nd class	day	0.02	448.00	8.96
0114	Beldar	day	0.25	368.00	92.00
0115	Coolie	day	0.15	368.00	55.20
	TOTAL				165.90
	Add 1 % Water charges				1.66
	TOTAL				167.56
	Add 15 % Contractor's profit and overheads				25.13
	Cost for 1 cum.				192.69
	Say				192.70

7.36 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 ₹
1165	Details of cost for 1sqm. Dholpur stone 40mm thick Wall face = 1.00sqm. Deduct for embedded portion 3x0.04x1.0 = 0.12 sqm. = 0.88sqm. Add wastage 5% = 0.04sqm. Total = 0.92 sqm. White sand stone slab 40 mm thick (un-dressed) 75mm thick 3x0.04x1.0 = 0.12 sqm. Add wastage 5% = 0.01 sqm. Total = 0.13 sqm.	sqm	0.92	200.00	184.00
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	0.13	315.00	40.95
2216	Carriage of Stone blocks white & red sand stone & kota stone slab 0.92x0.04 = 0.0368 cum. 0.13x0.075 = 0.0100 cum. = 0.0468 cum. or 468 cudm. 468 cudm @ 2.3 kg/cudm = 108 kg = 0.108 tonne	tonne	0.108	92.24	9.96
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device Assuming 50mm thick strips 20x1.0 = 20 metre Mortar with coarse sand 1:3 for (a) stone backing 12mm thick = 0.0144 cum. (b) for fixing of stone = 0.40/25 = 0.0160 cum. Total = 0.0304 cum.	metre	20.00	10.00	200.00
3.8	Rate as per Item Number 3.8 of SH: Mortars Cutting chases and making good with mortar after insurting stone etc.	cum	0.0304	4723.50	143.59
18.78	Rate as per Item Number 18.78 of SH: Water	metre	3.00	93.85	281.55(A)
9999	White cement and pigment for pointing LABOUR	L.S.	40.43	1.73	69.94
0126	Mason (for ornamental stone work) 1st class	day	0.25	487.00	121.75
0125	Mason (for plain stone work) 2nd class)	day	0.25	448.00	112.00
0114	Beldar	day	0.50	368.00	184.00
0101	Bhisti	day	0.03	407.00	12.21
9999	Sundries and scaffolding brushes etc.	L.S.	26.91	1.73	46.55
	TOTAL				1406.50
	Add 1 % Water charges on all except (A) i.e. on (1406.50 - 281.55) = 1124.95				11.25
	TOTAL				1417.75
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1417.75 - 281.55) = 1136.20				170.43
	Cost of 1sqm.				1588.18
	Say				1588.20

7.37 Stone work (machine cut edges 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 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).

7.37.1 Kota stone slabs exposed face dressed and rubbed.

7.37.1.1 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm. MATERIAL 25mm thick kota stone slabs = 10 sqm. Add 15% wastage = 1.50 sqm. Total = 11.50 sqm.				
1169	Kotastone slab 25mm thick (rough cheseled)	sq.m.	11.50	280.00	3220.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	0.144	4723.50	680.18
9999	Cement mortar for pointing.	L.S.	40.43	1.73	69.94
	LABOUR				
0125	Mason (for plain stone work) 2nd class)	day	6.50	448.00	2912.00
0114	Beldar	day	6.50	368.00	2392.00
0115	Coolie	day	4.30	368.00	1582.40
0139	Skilled Beldar (for floor rubbing etc.)	day	10.80	407.00	4395.60
9999	Sundries	L.S.	111.54	1.73	192.96
	TOTAL				15506.88
	Add 1 % Water charges				155.07
	TOTAL				15661.95
	Add 15 % Contractor's profit and overheads				2349.29
	Cost for 10 sqm.				18011.24
	Cost of 1 sqm.				1801.12
	Say				1801.10

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	700.00	7175.00
9977	Carriage of granite tiles	L.S.	40.04	1.73	69.27
	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	0.14	4723.50	661.29
0367	Portland Cement	tonne	0.033	5700.00	188.10
	slurry @ 3.3 kg/sqm				
9999	Mortar for pointing in white cement	L.S.	25.74	1.73	44.53
	LABOUR				
	Labour for placing and fixing :				
0123	Mason (brick layer) 1st class	day	7.70	487.00	3749.90
0114	Beldar	day	7.70	368.00	2833.60
9999	Granular sand particles mixed with araldite to be pasted on each side to form interlocking arrangement with cement plaster	L.S.	260.00	1.73	449.80
9999	Sundries	L.S.	171.60	1.73	296.87
	TOTAL				15468.36
	Add 1 % Water charges				154.68
	TOTAL				15623.04
	Add 15 % Contractor's profit and overheads				2343.46
	Cost for 10 sqm.				17966.50
	Cost of 1 sqm.				1796.65
	Say				1796.65

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	500.00	5125.00
9977	Carriage of Raj Nagar white stone tiles	L.S.	40.04	1.73	69.27
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.14	4723.50	661.29
0367	Portland Cement	tonne	0.033	5700.00	188.10
	slurry @ 3.3 kg/sqm				
9999	Mortar for pointing in white cement	L.S.	25.74	1.73	44.53
	Labour for placing and fixing :				
0123	Mason (brick layer) 1st class	day	7.70	487.00	3749.90
0114	Beldar	day	7.70	368.00	2833.60
9999	Granular sand particles mixed with araldite to be pasted on each side to form interlocking arrangement with cement plaster	L.S.	260.00	1.73	449.80
9999	Sundries	L.S.	171.6	1.73	296.87
	TOTAL				13418.36
	Add 1 % Water charges				134.18
	TOTAL				13552.54
	Add 15 % Contractor's profit and overheads				2032.88
	Cost for 10 sqm.				15585.42
	Cost of 1 sqm.				1558.54
	Say				1558.55

7.39 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	1.73	372.43
0123	Mason (brick layer) 1st class	day	0.30	487.00	146.10
0114	Beldar	day	0.30	368.00	110.40
0101	Bhisti	day	0.15	407.00	61.05
9999	Sundries	L.S.	28.6	1.73	49.48
	TOTAL				739.46
	Add 1 % Water charges				7.39
	TOTAL				746.85
	Add 15 % Contractor's profit and overheads				112.03
	Cost of 10.00 sqm				858.88
	Cost of 1.00 sqm				85.88
	Say				85.90

7.40 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).

7.40.1 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	350.00	367.50
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.072	92.24	6.64
	Fixing Charges LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
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	1.73	34.18
9999	Fixing including weather sealant and removing	L.S.	51.10	1.73	88.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Silicon gun/ pump etc.	L.S.	68.25	1.73	118.07
	TOTAL				1239.54
	Add 1 % Water charges				12.40
	TOTAL				1251.94
	Add 15 % Contractor's profit and overheads				187.79
	Cost of 1 sqm				1439.73
	Say				1439.75

7.40.2 White 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				
8684	White sand stone gang saw cut 30 mm thick	sqm	1.05	400.00	420.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.072	92.24	6.64
	Fixing Charges				
	LABOUR				
0125	Mason (for plain stone work) 2nd class	day	0.448	448.00	200.70
0100	Bandhani	day	0.336	407.00	136.75
0114	Beldar	day	0.336	368.00	123.65
0115	Coolie	day	0.336	368.00	123.65
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	1.73	34.18
9999	Fixing including weather sealant and removing	L.S.	51.10	1.73	88.40
9999	Silicon gun/ pump etc.	L.S.	68.25	1.73	118.07
	TOTAL				1292.04
	Add 1 % Water charges				12.92
	TOTAL				1304.96
	Add 15 % Contractor's profit and overheads				195.74
	Cost of 1 sqm				1500.70
	Say				1500.70

7.41 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 ₹
4009	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 Mild steel tubes hot finished welded type 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	kilogram	51.47	42.00	2161.74
1007	Structurals such as tees,angles channels and R.S. joists Cement concrete 1:2:4 =16x0.30x0.23x0.30=0.331 cum	quintal	0.594	3775.00	2242.35
4.1.3	Rate as per item no. 4.1.3 of SH : concrete work Making holes in brick work=16nos. LABOUR	cum	0.331	5481.95	1814.53(A)
0123	Mason (brick layer) 1st class	day	0.26	487.00	126.62
0124	Mason (brick layer) 2nd class	day	0.26	448.00	116.48
0114	Beldar	day	2.00	368.00	736.00
1215	Welding for frame welding 16x(2.5+5+2.5+5) = 240 cm For hold fast 16x20cm = 320cm Total = 560cm Welding by electric plant LABOUR	cm	560.00	2.00	1120.00
0102	Blacksmith 1st class	day	1.34	487.00	652.58
0100	Bandhani	day	0.67	407.00	272.69
0114	Beldar	day	4.92	368.00	1810.56
9999	Sundries	L.S.	80.73	1.73	139.66
13.52.1	Painting with epoxy paint over and including priming coat area 22.80x0.15 = 3.42 12x0.2 = 2.40 Total = 5.82sqm Rate as per Item no. 13.52.1 of SH: Finishing	sqm	5.82	122.50	712.95(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	For labour scaffolding etc	L.S.	80.73	1.73	139.66
	Total				12045.82
	Add 1 % Water charges on all except (A)				
	i.e. on (12045.82 - 2527.48) = 9518.34				95.18
	Total				12141.00
	Add 15 % Contractor's profit and overheads				
	on all except (A) i.e. on (12141.00				
	- 2527.48) = 9613.52				1442.03
	Cost for 100.78 kg				13583.03
	Cost for 1 kg				134.77
	Say				134.75

7.42 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 ₹
8698	Details of cost for 10 Nos. Stainless steel cramps(weight 260 grams) with nuts, bolts and washer for dry stone cladding LABOUR	each	10.00	90.00	900.00
	For making holes, recesses etc. and fixing of stainless steel cramps.				
0103	Blacksmith 2nd class	day	0.10	448.00	44.80
0124	Mason (brick layer) 2nd class	day	1.00	448.00	448.00
0114	Beldar	day	1.10	368.00	404.80
9999	Scaffolding, hire charges of drill machine etc.	L.S.	20.8	1.73	35.98
9999	Sundries	L.S.	20.8	1.73	35.98
	Total				1869.56
	Add 1 % Water charges				18.70
	Total				1888.26
	Add 15 % Contractor's profit and overheads				283.24
	Cost for 10 Nos.				2171.50
	Cost for 1 Nos.				217.15
	Say				217.15

SUB HEAD : 8.0
MARBLE & GRANITE WORK

8.1 Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (vener 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 0.50 sqm. MATERIAL Finished work = 0.50sqm. Add for wastage @ 20% = 0.10 sqm. Total = 0.60 sqm.				
7452	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	0.60	600.00	360.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.03	92.24	2.77
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.008	4723.50	37.79
	White cement mortar 1:2 (1 white cement : 2 marble dust)				
3.15	Rate as per Item Number 3.15 of SH: Mortars	cum	0.0012	9101.75	10.92
	LABOUR				
	For fixing				
0126	Mason (for ornamental stone work)	day	0.335	487.00	163.15
	1st class	day	0.335	407.00	136.35
0100	Bandhani	day	0.335	368.00	123.28
0114	Beldar	day	0.335	368.00	123.28
0115	Coolie	day	0.335	407.00	136.35
0101	Bhisti	day	0.165	407.00	67.16
0128	Mate	day	0.135	487.00	65.75
0102	Blacksmith 1st class	L.S.	13.39	1.73	23.16
9999	Scaffolding				
	TOTAL				1249.96
	Add 1 % Water charges				12.50
	TOTAL				1262.46
	Add 15 % Contractor's profit and overheads				189.37
	Cost for 0.50 sqm.				1451.83
	Cost for one sqm.				2903.66
	Say				2903.65

8.1.1.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.00 sqm. MATERIAL Finished work = 1.00 sqm. Add for wastage @ 20% = 0.20 sqm. Total = 1.20 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7453	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	1.20	700.00	840.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.06	92.24	5.53
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand) Rate as per Item Number 3.8 of SH: Mortars	cum	0.0148	4723.50	68.02
3.15	White cement mortar 1:2 (1 white cement : 2 marble dust) Rate as per Item Number 3.15 of SH: Mortars	cum	0.0025	9101.75	22.75
	LABOUR				
	For fixing				
0126	Mason (for ornamental stone work) 1st class	day	0.67	487.00	326.29
0100	Bandhani	day	0.67	407.00	272.69
0114	Beldar	day	0.67	368.00	246.56
0115	Coolie	day	0.67	368.00	246.56
0101	Bhisti	day	0.67	407.00	272.69
0128	Mate	day	0.33	407.00	134.31
0102	Blacksmith 1st class	day	0.27	487.00	131.49
9999	Scaffolding	L.S.	26.91	1.73	46.55
	TOTAL				2613.44
	Add 1 % Water charges				26.13
	TOTAL				2639.57
	Add 15 % Contractor's profit and overheads				395.94
	Cost for 1.00 sqm				3035.51
	Cost for one sqm				3035.51
	Say				3035.50

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 to 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 ₹
7452	Details of cost for 0.50 sqm. MATERIAL Mirror polished Abu plain white = 0.50 sqm.+Wastage 5% 0.025 sqm. = 0.525 sqm Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	0.525	600.00	315.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars LABOUR	cum	0.012	3970.50	47.65
0123	Mason (brick layer) 1st class	day	0.48	487.00	233.76
0114	Beldar	day	0.20	368.00	73.60
0115	Coolie	day	0.20	368.00	73.60
9999	Moulding and edge polishing	L.S.	39.00	1.73	67.47
9999	Sundries epoxy resin & cutting machine etc.	L.S.	16.25	1.73	28.11
	TOTAL				839.19
	Add 1 % Water charges				8.39
	TOTAL				847.58
	Add 15 % Contractor's profit and overheads				127.14
	Cost for 0.50 sqm.				974.72
	Cost for 1.00 sqm				1949.44
	Say				1949.45

8.2.1.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7453	Details of cost for 1.00 sqm. MATERIAL Mirror polished Abu plain white = 1.00 sqm.+ Wastage 5% (0.05sqm.)= 1.05 sqm Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	1.05	700.00	735.00
3.9	20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars LABOUR	cum	0.024	3970.50	95.29
0123	Mason (brick layer) 1st class	day	0.72	487.00	350.64
0114	Beldar	day	0.30	368.00	110.40
0115	Coolie	day	0.30	368.00	110.40
9999	Moulding and edge polishing	L.S.	78.00	1.73	134.94
9999	Sundries epoxy resin & cutting machine etc.	L.S.	32.50	1.73	56.23
	TOTAL				1592.90
	Add 1 % Water charges				15.93
	TOTAL				1608.83
	Add 15 % Contractor's profit and overheads				241.32
	Cost for 1.00 sqm.				1850.15
	Say				1850.15

8.2.2 Granite of any colour and shade

8.2.2.1 Area of slab upto 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7295	Details of cost for 0.50 sqm. MATERIAL Mirror polished granite= 0.50 sqm.+ Wastage 5% 0.025 sqm.= 0.525 sqm Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)	sqm	0.525	1750.00	918.75
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.012	3970.50	47.65
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.48	487.00	233.76
0114	Beldar	day	0.20	368.00	73.60
0115	Coolie	day	0.20	368.00	73.60
9999	Moulding and edge polishing	L.S.	39.00	1.73	67.47
9999	Sundries epoxy resin & cutting machine etc.	L.S.	16.25	1.73	28.11
	TOTAL				1442.94
	Add 1 % Water charges				14.43
	TOTAL				1457.37
	Add 15 % Contractor's profit and overheads				218.61
	Cost for 0.50 sqm.				1675.98
	Cost for 1.00 sqm				3351.96
	Say				3351.95

8.2.2.2 Area of slab over 0.50 sqm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7297	Details of cost for 2.00 sqm. MATERIAL Mirror polished granite= 2.00 sqm.+ Wastage 5% 0.10sqm.= 2.10 sqm Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	2.10	1800.00	3780.00
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.048	3970.50	190.58
	LABOUR				
0123	Mason (brick layer) 1st class	day	1.44	487.00	701.28
0114	Beldar	day	0.60	368.00	220.80
0115	Coolie	day	0.60	368.00	220.80
9999	Moulding and edge polishing	L.S.	78.00	1.73	134.94
9999	Sundries epoxy resin & cutting machine etc.	L.S.	65.00	1.73	112.45
	TOTAL				5360.85
	Add 1 % Water charges				53.61
	TOTAL				5414.46
	Add 15 % Contractor's profit and overheads				812.17
	Cost for 2.00 sqm.				6226.63
	Cost for 1.00 sqm				3113.31
	Say				3113.30

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	250.00	375.00
0114	Beldar	day	2.00	368.00	736.00
9999	Sundries Blades & Polished etc.	L.S.	78.00	1.73	134.94
	TOTAL				1245.94
	Add 1 % Water charges				12.46
	TOTAL				1258.40
	Add 15 % Contractor's profit and overheads				188.76
	Cost for 10 metre				1447.16
	Cost per metre				144.71
	Say				144.70

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	250.00	625.00
0114	Beldar	day	3.50	368.00	1288.00
9999	Sundries Blades & Polished etc.	L.S.	117.00	1.73	202.41
	TOTAL				2115.41
	Add 1 % Water charges				21.15
	TOTAL				2136.56
	Add 15 % Contractor's profit and overheads				320.48
	Cost for 10 metre				2457.04
	Cost per metre				245.70
	Say				245.70

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 (brick layer) 1st class	day	0.30	487.00	146.10
0115	Coolie	day	0.30	368.00	110.40
9999	Scaffolding, epoxy	L.S.	39.00	1.73	67.47
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
	1.5x0.15x0.02 = 0.005cum.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.005	3970.50	19.85
	TOTAL				343.82
	Add 1 % Water charges				3.44
	TOTAL				347.26
	Add 15 % Contractor's profit and overheads				52.09
	Cost for 1.5 metre				399.35
	Cost per metre				266.23
	Say				266.25

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	487.00	194.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	15.30	1.73	26.47
	TOTAL				368.47
	Add 1 % Water charges				3.68
	TOTAL				372.15
	Add 15 % Contractor's profit and overheads				55.82
	Cost of each				427.97
	Say				427.95

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	368.00	920.00
0101	Bhisti	day	1.50	407.00	610.50
9999	Sundries grease, mop grinding stones etc.	L.S.	65.00	1.73	112.45
	TOTAL				1992.95
	Add 1 % Water charges				19.93
	TOTAL				2012.88
	Add 15 % Contractor's profit and overheads				301.93
	Cost for 10 sqm.				2314.81
	Cost per sqm.				231.48
	Say				231.50

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 10 no cramps MATERIAL Gun metal cramp $10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^5$ $10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^5$ $= 13.3 \times 10^5$ less hole $10 \times 0.024 \times 0.010 \times 0.006 =$ 1.4×10^5 $= 11.9 \times 10^5 \times 8640 = 1.03 \text{ kg}$ Add wastage @ 5% = 0.051kg. Total = 1.08 kg.				
7338	Gun metal cramp	kilogram	1.08	330.00	356.40
9977	Carriage	L.S.	3.90	1.73	6.75
	Cement mortar 1:2 (1 cement : 2 coarse sand)				
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5551.75	5.55
9999	Labour for fixing in position	L.S.	65.00	1.73	112.45
	TOTAL				481.15
	Add 1 % Water charges				4.81
	TOTAL				485.96
	Add 15 % Contractor's profit and overheads				72.89
	Cost for 1.03 kg.				558.85
	Cost per kg				542.57
	Say				542.55

8.7.2 Stainless steel cramps

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos MATERIAL Stainless steel cramp $10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^5$ $10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^5$ $= 13.3 \times 10^5$ less hole $10 \times 0.024 \times 0.010 \times 0.006 =$ 1.4×10^5 $= 11.9 \times 10^5 \times 7850 = 0.934 \text{ kg}$ Add wastage @ 5% = 0.047kg. Total = 0.981 kg.				
7339	Stainless steel cramp	kilogram	0.981	300.00	294.30
9977	Carriage	L.S.	3.90	1.73	6.75
	Cement mortar 1:2 (1 cement : 2 coarse sand)				
3.7	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	5551.75	5.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Labour for fixing in position	L.S.	65.00	1.73	112.45
	TOTAL				419.05
	Add 1 % Water charges				4.19
	TOTAL				423.24
	Add 15 % Contractor's profit and overheads				63.49
	Cost for 0.934 kg.				486.73
	Cost per kg				521.12
	Say				521.10

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 ₹
7430	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 1/4" or 6 mm	each	30.00	12.00	360.00
1034	36.5mm length Bolts and nuts upto 300 mm in length (36.5+10mm)	quintal	0.0045	5100.00	22.95
	LABOUR				
0116	Fitter (grade 1)	day	0.25	487.00	121.75
0114	Beldar	day	0.25	368.00	92.00
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc.	L.S.	32.50	1.73	56.23
	TOTAL				652.93
	Add 1 % Water charges				6.53
	TOTAL				659.46
	Add 15 % Contractor's profit and overheads				98.92
	Cost for 30 nos.				758.38
	Cost of each				25.27
	Say				25.25

8.8.1.2 Fastener with threaded dia 10 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7431	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 3/8" or 10 mm	each	30.00	12.00	360.00
1034	44.5mm length Bolts and nuts upto 300 mm in length (44.5+10mm)	quintal	0.0045	5100.00	30.60
	LABOUR				
0116	Fitter (grade 1)	day	0.25	487.00	121.75
0114	Beldar	day	0.25	368.00	92.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc. TOTAL	L.S.	32.50	1.73	56.23 660.58
	Add 1 % Water charges TOTAL				6.61 667.19
	Add 15 % Contractor's profit and overheads Cost for 30 nos. Cost of each Say				100.08 767.27 25.57 25.55

8.8.1.3 Fastener with threaded dia 12 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7432	Details of cost for 30nos. W.E.H. fastener MATERIAL Wedge expansion hold fastner 1/2" or 12 mm 58.7mm length	each	30.00	28.00	840.00
1034	Bolts and nuts upto 300 mm in length Length (58.7+10mm) @ 0.05 kg./each LABOUR	quintal	0.0075	5100.00	38.25
0116	Fitter (grade 1)	day	0.25	487.00	121.75
0114	Beldar	day	0.25	368.00	92.00
9999	Hire and running charges for hand drill machine Sundries, drilling bit scaffolding etc. TOTAL	L.S.	32.50	1.73	56.23 1148.23
	Add 1 % Water charges TOTAL				11.48 1159.71
	Add 15 % Contractor's profit and overheads Cost for 30 nos. Cost of each Say				173.96 1333.67 44.45 44.45

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 ₹
2751	Details of cost for 1 sqm. MATERIAL 8mm thick marble tiles. Qty. = 1.00 sqm. + Add wastage @ 2.5% = 0.025 sqm. Total = 1.025 sqm. 8 mm thick marble tiles (polished) Raj Nagar	sqm	1.025	378.00	387.45
9977	Carriage of tiles Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	3.95	1.73	6.83

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	4723.50	66.13
9999	Mortar for pointing	L.S.	25.38	1.73	43.91
0367	Portland Cement	tonne	0.0033	5700.00	18.81
0123	Mason (brick layer) 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries etc.	L.S.	16.90	1.73	29.24
	TOTAL				1407.37
	Add 1 % Water charges				14.07
	TOTAL				1421.44
	Add 15 % Contractor's profit and overheads				213.22
	Cost for 1 sqm.				1634.66
	Say				1634.65

8.9.1.2 Granite of any colour and shade

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. 8mm thick Granite tiles. Qty. = 1.00 sqm. + Add wastage @ 2.5% = 0.025 sqm. Total = 1.025 sqm.				
2750	8 mm thick granite stone tiles (mirror polished of all shades)	sqm	1.025	700.00	717.50
9977	Carriage of tiles	L.S.	3.95	1.73	6.83
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	4723.50	66.13
9999	Mortar for pointing	L.S.	25.38	1.73	43.91
0367	Portland Cement	tonne	0.0033	5700.00	18.81
0123	Mason (brick layer) 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries etc.	L.S.	16.90	1.73	29.24
	TOTAL				1737.42
	Add 1 % Water charges				17.37
	TOTAL				1754.79
	Add 15 % Contractor's profit and overheads				263.22
	Cost for 1 sqm.				2018.01
	Say				2018.00

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	1700.00	765.00
9999	Cement concrete 1:2:4 for filling	L.S.	21.58	1.73	37.33
9999	Labour for fixing, edge rounding and final polishing .	L.S.	43.16	1.73	74.67
9999	Sundries	L.S.	21.58	1.73	37.33
	TOTAL				914.33
	Add 1 % Water charges				9.14
	TOTAL				923.47
	Add 15 % Contractor's profit and overheads				138.52
	Cost of 0.375sqm				1061.99
	Cost of 1.00 sqm				2831.97
	Say				2831.95

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	1700.00	765.00
9999	Cement concrete 1:2:4 for fixing	L.S.	21.58	1.73	37.33
9999	Labour for fixing, edge rounding and final polishing .	L.S.	43.16	1.73	74.67
9999	Sundries	L.S.	21.58	1.73	37.33
	TOTAL				914.33
	Add 1 % Water charges				9.14
	TOTAL				923.47
	Add 15 % Contractor's profit and overheads				138.52
	Cost of 0.375 sqm				1061.99
	Cost of 1.00 sqm				2831.97
	Say				2831.95

8.11 Providing and fixing machine cut, mirror/ eggshell polished , Marble stone work for wall lining (vener 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. "a. 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 0.5 sqm MATERIAL Finished work= 0.5 sqm Add for wastage @ 20%=0.1 sqm Total 0.60 sqm				
1240	18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	0.60	3200.00	1920.00
2216	Carriage of stone slab Cement mortar 1:3 (1 Cement:3 Coarse sand)	tonne	0.03	92.24	2.77
3.8	Rate as per Item No.3.8 of SH: MORTARS	cum	0.008	4723.50	37.79
0368	White Cement Slurry @ 3.3kg/sqm	tonne	0.00165	11200.00	18.48
2209	Carriage of white Cement	tonne	0.00165	92.24	0.15
9999	Mortar for pointing in white cement (11.22) LABOUR :	L.S.	25.35	1.73	43.86
	FOR fixing				
0126	Mason (for ornamental stone work) 1st class	day	0.335	487.00	163.15
0100	Bandhani	day	0.335	407.00	136.35
0114	Beldar	day	0.335	368.00	123.28
0115	Coolie	day	0.335	368.00	123.28
0101	Bhisti	day	0.335	407.00	136.35
0128	Mate	day	0.165	407.00	67.16
0102	Blacksmith 1st class	day	0.135	487.00	65.75
9999	Scaffolding	L.S.	13.39	1.73	23.16
	TOTAL				2861.53
	Add 1 % Water charges				28.62
	TOTAL				2890.15
	Add 15 % Contractor's profit and overheads				433.52
	Cost of 0.5 sqm				3323.67
	Cost of 1 sqm				6647.34
	Say				6647.35

8.12 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 : a. 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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1239	18 mm thick Flamed finish granite stone slab	sqm	11.50	1700.00	19550.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	3970.50	889.39
0367	Portland Cement	tonne	0.05	5700.00	285.00
0874	Black colour dark shade pigment	kilogram	4.50	80.00	360.00
2209	Carriage of Cement	tonne	0.05	92.24	4.61
9999	Mortar for pointing in white cement (11.22)	L.S.	25.35	1.73	43.86
	LABOUR :				
0124	Mason (brick layer) 2nd class	day	1.20	448.00	537.60
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
9999	Sundries	L.S.	208.13	1.73	360.06
	TOTAL				24863.32
	Add 1 % Water charges				248.63
	TOTAL				25111.95
	Add 15 % Contractor's profit and overheads				3766.79
	Cost of 10 sqm				28878.74
	Cost of 1 sqm				2887.87
	Say				2887.85

8.13 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.

8.13.1 Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye 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				
	10.00 + 1.50 (Add for wastage 15%)= 11.50 sqm				
7297	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	11.50	1800.00	20700.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	3970.50	889.39
0367	Portland Cement	tonne	0.05	5700.00	285.00
0874	Black colour dark shade pigment	kilogram	4.50	80.00	360.00
2209	Carriage of Cement	tonne	0.05	92.24	4.61
9999	Mortar for pointing in white cement (11.22)	L.S.	25.35	1.73	43.86
	LABOUR :				
0124	Mason (brick layer) 2nd class	day	1.20	448.00	537.60
0114	Beldar	day	1.00	368.00	368.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	2.00	407.00	814.00
0019	Machine for cutting (hand grinding)	day	2.00	250.00	500.00
9999	Sundries	L.S.	208.13	1.73	360.06
	TOTAL				25292.32
	Add 1 % Water charges				252.92
	TOTAL				25545.24
	Add 15 % Contractor's profit and overheads				3831.79
	Cost of 10 sqm				29377.03
	Cost of 1 sqm				2937.70
	Say				2937.70

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 MATERIAL Superior class teakwood such as Dandeli Balارشah 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	660.00	2508.00
2204	Carriage of Timber	cum	0.038	118.59	4.51
	LABOUR				
0156	Carpenter (average)	day	0.72	467.00	336.24
0114	Beldar	day	0.07	368.00	25.76
	TOTAL				2874.51
	Add 1 % Water charges				28.75
	TOTAL				2903.26
	Add 15 % Contractor's profit and overheads				435.49
	Cost of 36 cudm.				3338.75
	Cost per cum.				92743.05
	Say				92743.05

9.1.2 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm. 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	118.59	4.51
	LABOUR				
0156	Carpenter (average)	day	0.72	467.00	336.24
0114	Beldar	day	0.07	368.00	25.76
	TOTAL				2646.51
	Add 1 % Water charges				26.47
	TOTAL				2672.98
	Add 15 % Contractor's profit and overheads				400.95
	Cost of 36 cudm.				3073.93
	Cost per cum.				85386.94
	Say				85386.95

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. 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	340.00	1292.00
2204	Carriage of Timber	cum	0.038	118.59	4.51
2504	Kiln seasoning of timber	cum	0.038	750.00	28.50
9999	Chemical treatment	L.S.	8.97	1.73	15.52
	LABOUR				
0156	Carpenter (average)	day	0.72	467.00	336.24
0114	Beldar	day	0.07	368.00	25.76
	TOTAL				1702.53
	Add 1 % Water charges				17.03
	TOTAL				1719.56
	Add 15 % Contractor's profit and overheads				257.93
	Cost of 36 cudm.(finished work)				1977.49
	Cost per cum.				54930.27
	Say				54930.25

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. 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	730.00	2774.00
2204	Carriage of Timber	cum	0.038	118.59	4.51
	LABOUR				
0111	Carpenter 1st class	day	0.20	487.00	97.40
0112	Carpenter 2nd class	day	0.20	448.00	89.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				3039.11
	Add 1 % Water charges				30.39
	TOTAL				3069.50
	Add 15 % Contractor's profit and overheads				460.43
	Cost of 36 cum				3529.93
	Cost of 1 cum				98053.61
	Say				98053.60

9.3 Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position :

9.3.1 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ceiling for a room 3x3m MATERIAL Salwood = $6 \times 3.30 \times (50/1000) \times (125/1000) =$ 0.1238 cum. + Cross battens 60mm centre to center 38x50mm. $6 \times 3 \times (38/1000) \times 50/1000 = 0.0342$ cum. = 0.1580 cum.+ Add for wastage @ 5% = 0.0079 cum. = 0.1659 cum. say 166 cum.				
1199	Sal wood in scantling	10 cum	16.60	600.00	9960.00
2204	Carriage of Timber	cum	0.166	118.59	19.69
	LABOUR				
0112	Carpenter 2nd class	day	1.00	448.00	448.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries screws etc.	L.S.	53.82	1.73	93.11
	TOTAL				10888.80
	Add 1 % Water charges				108.89
	TOTAL				10997.69
	Add 15 % Contractor's profit and overheads				1649.65
	Cost of 158 cum.				12647.34
	Cost per cum.				80046.45
	Say				80046.45

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 MATERIAL Hollock wood = $6 \times 3.30 \times (50/1000) \times (125/1000) =$ 0.1238 cum. + Cross battens 60mm centre to center 38x50mm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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	340.00	5644.00
2204	Carriage of Timber	cum	0.166	118.59	19.69
2504	Kiln seasoning of timber	cum	0.166	750.00	124.50
9999	Chemical treatment	L.S.	18.20	1.73	31.49
	LABOUR				
0112	Carpenter 2nd class	day	1.00	448.00	448.00
0114	Beldar	day	1.00	368.00	368.00
9999	Sundries screws etc.	L.S.	53.82	1.73	93.11
	TOTAL				6728.79
	Add 1 % Water charges				67.29
	TOTAL				6796.08
	Add 15 % Contractor's profit and overheads				1019.41
	Cost of 158 cudm (finished work)				7815.49
	Cost per cum.				49465.12
	Say				49465.10

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 a door 206.75x117.5cm 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	0.38	660.00	250.80
2204	Carriage of Timber	cum	0.0038	118.59	0.45
	LABOUR				
0156	Carpenter (average)	day	0.072	467.00	33.62
0114	Beldar	day	0.007	368.00	2.58
	TOTAL				287.45
	Add 1 % Water charges				2.87
	TOTAL				290.32
	Add 15 % Contractor's profit and overheads				43.55
	Cost of 36 cudm.				333.87
	Cost per cum.				9274.16
	Say				9274.15

9.4.2 Sal wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.2				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1199	MATERIAL Sal wood in scantling	10 cudm	0.38	600.00	228.00
2204	Carriage of Timber	cum	0.0038	118.59	0.45
	LABOUR				
0156	Carpenter (average)	day	0.072	467.00	33.62
0114	Beldar	day	0.007	368.00	2.58
	TOTAL				264.65
	Add 1 % Water charges				2.65
	TOTAL				267.30
	Add 15 % Contractor's profit and overheads				40.10
	Cost of 36 cudm.				307.40
	Cost per cum.				8538.88
	Say				8538.90

9.4.3 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for Chowkhat of a door 206.75x117.5cm. Extra Materials and labour for wastage @ 10% on quantity of item no 9.1.3				
	MATERIAL				
2466	Hollock wood in scantling	10 cudm	0.38	340.00	129.20
2204	Carriage of Timber	cum	0.0038	118.59	0.45
2504	Kiln seasoning of timber	cum	0.0038	750.00	2.85
9999	Chemical treatment	L.S.	0.90	1.73	1.56
	LABOUR				
0156	Carpenter (average)	day	0.072	467.00	33.62
0114	Beldar	day	0.007	368.00	2.58
	TOTAL				170.26
	Add 1 % Water charges				1.70
	TOTAL				171.96
	Add 15 % Contractor's profit and overheads				25.79
	Cost of 36 cudm.(finished work)				197.75
	Cost per cum.				5493.05
	Say				5493.05

9.5 Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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	675.00	3442.50
2204	Carriage of Timber	cum	0.051	118.59	6.05
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0114	Beldar	day	0.76	368.00	279.68
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4738.71
	Add 1 % Water charges				47.39
	TOTAL				4786.10
	Add 15 % Contractor's profit and overheads				717.92
	Cost of 2.16 sqm.				5504.02
	Cost of 1 sqm.				2548.15
	Say				2548.15

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) 200x 108cm = 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. + 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	675.00	2970.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0114	Beldar	day	0.76	368.00	279.68
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4265.38
	Add 1 % Water charges				42.65
	TOTAL				4308.03
	Add 15 % Contractor's profit and overheads				646.20
	Cost of 2.16 sqm.				4954.23
	Cost of 1 sqm.				2293.62
	Say				2293.60

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	390.00	1989.00
2204	Carriage of Timber	cum	0.051	118.59	6.05
2504	Kiln seasoning of timber	cum	0.051	750.00	38.25
9999	Chemical treatment	L.S.	9.10	1.73	15.74
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0114	Beldar	day	0.76	368.00	279.68

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				3339.20
	Add 1 % Water charges				33.39
	TOTAL				3372.59
	Add 15 % Contractor's profit and overheads				505.89
	Cost of 2.16 sqm.				3878.48
	Cost of 1 sqm.				1795.59
	Say				1795.60

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	390.00	1716.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	9.10	1.73	15.74
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0114	Beldar	day	0.76	368.00	279.68
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				3060.12
	Add 1 % Water charges				30.60
	TOTAL				3090.72
	Add 15 % Contractor's profit and overheads				463.61
	Cost of 2.16 sqm.				3554.33
	Cost of 1 sqm.				1645.52
	Say				1645.50

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	118.59	6.05
2504	Kiln seasoning of timber	cum	0.051	750.00	38.25
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0114	Beldar	day	0.76	368.00	279.68
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4649.46
	Add 1 % Water charges				46.49
	TOTAL				4695.95
	Add 15 % Contractor's profit and overheads				704.39
	Cost of 2.16 sqm.				5400.34
	Cost of 1 sqm.				2500.15
	Say				2500.15

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 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+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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"				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
0596	Bright finished or black enamelled mild steel butt hinges 75x47x1.70 mm	10 Nos	0.60	60.00	36.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0114	Beldar	day	0.76	368.00	279.68
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4160.82
	Add 1 % Water charges				41.61
	TOTAL				4202.43
	Add 15 % Contractor's profit and overheads				630.36
	Cost of 2.16 sqm.				4832.79
	Cost of 1 sqm.				2237.40
	Say				2237.40

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), including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panels of :

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	1700.00	4046.00
9977	Carriage of shutters	L.S.	29.64	1.73	51.28
	Fittings :				
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.52	467.00	242.84
0114	Beldar	day	0.60	368.00	220.80
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4716.79
	Add 1 % Water charges				47.17
	TOTAL				4763.96
	Add 15 % Contractor's profit and overheads				714.59
	Cost of 2.38 sqm.				5478.55
	Cost of 1 sqm.				2301.91
	Say				2301.90

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 pre-laminated 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	1800.00	4284.00
9977	Carriage of shutters	L.S.	29.64	1.73	51.28
	Fittings :				
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.52	467.00	242.84
0114	Beldar	day	0.60	368.00	220.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4954.79
	Add 1 % Water charges				49.55
	TOTAL				5004.34
	Add 15 % Contractor's profit and overheads				750.65
	Cost of 2.38 sqm.				5754.99
	Cost of 1 sqm.				2418.06
	Say				2418.05

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 ₹
7143	Details of cost of one shutter 220x108cm = 2.38sqm. MATERIAL 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	2000.00	4760.00
9977	Carriage of shutters	L.S.	29.64	1.73	51.28
	Fittings :				
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.52	467.00	242.84
0114	Beldar	day	0.60	368.00	220.80
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				5430.79
	Add 1 % Water charges				54.31
	TOTAL				5485.10
	Add 15 % Contractor's profit and overheads				822.77
	Cost of 2.38 sqm.				6307.87
	Cost of 1 sqm.				2650.36
	Say				2650.35

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	675.00	870.75
2204	Carriage of Timber	cum	0.0129	118.59	1.53
	LABOUR				
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				1157.52
	Add 1 % Water charges				11.58
	TOTAL				1169.10
	Add 15 % Contractor's profit and overheads				175.37
	Cost of 0.66 sqm.				1344.47
	Cost of 1 sqm.				2037.07
	Say				2037.05

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	390.00	503.10
2204	Carriage of Timber	cum	0.0129	118.59	1.53
2504	Kiln seasoning of timber	cum	0.0129	750.00	9.68
9999	Chemical treatment	L.S.	8.97	1.73	15.52
	Labour & sundries				
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				815.07
	Add 1 % Water charges				8.15
	TOTAL				823.22
	Add 15 % Contractor's profit and overheads				123.48
	Cost of 0.66 sqm.				946.70
	Cost of 1 sqm.				1434.39
	Say				1434.40

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 ₹
2480	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. Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	0.80	807.00	645.60
9977	Carriage of Plywood	L.S.	1.82	1.73	3.15
0111	LABOUR Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				933.99
	Add 1 % Water charges				9.34
	TOTAL				943.33
	Add 15 % Contractor's profit and overheads				141.50
	Cost of 0.66 sqm.				1084.83
	Cost of 1 sqm.				1643.68
	Say				1643.70

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 ₹
2481	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. Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	0.80	850.00	680.00
9977	Carriage of Plywood	L.S.	1.82	1.73	3.15
0111	LABOUR Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				968.39
	Add 1 % Water charges				9.68
	TOTAL				978.07
	Add 15 % Contractor's profit and overheads				146.71
	Cost of 0.66 sqm.				1124.78
	Cost of 1 sqm.				1704.21
	Say				1704.20

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 ₹
2483	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. Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	0.80	950.00	760.00
9977	Carriage of Plywood LABOUR	L.S.	1.82	1.73	3.15
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				1048.39
	Add 1 % Water charges				10.48
	TOTAL				1058.87
	Add 15 % Contractor's profit and overheads				158.83
	Cost of 0.66 sqm.				1217.70
	Cost of 1 sqm.				1845.00
	Say				1845.00

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 ₹
0341	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. Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick	sqm	0.80	330.00	264.00
9977	Carriage of Plywood LABOUR	L.S.	1.82	1.73	3.15
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				552.39
	Add 1 % Water charges				5.52
	TOTAL				557.91
	Add 15 % Contractor's profit and overheads				83.69
	Cost of 0.66 sqm.				641.60
	Cost of 1 sqm.				972.12
	Say				972.10

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	520.00	416.00
9977	Carriage of Plywood	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				704.39
	Add 1 % Water charges				7.04
	TOTAL				711.43
	Add 15 % Contractor's profit and overheads				106.71
	Cost of 0.66 sqm.				818.14
	Cost of 1 sqm.				1239.60
	Say				1239.60

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	563.00	450.40
9977	Carriage of Plywood	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				738.79
	Add 1 % Water charges				7.39
	TOTAL				746.18
	Add 15 % Contractor's profit and overheads				111.93
	Cost of 0.66 sqm.				858.11
	Cost of 1 sqm.				1300.16
	Say				1300.15

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	596.00	476.80
9977	Carriage of Plywood LABOUR	L.S.	1.82	1.73	3.15
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				765.19
	Add 1 % Water charges				7.65
	TOTAL				772.84
	Add 15 % Contractor's profit and overheads				115.93
	Cost of 0.66 sqm.				888.77
	Cost of 1 sqm.				1346.62
	Say				1346.60

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	700.00	560.00
9977	CARRIAGE LABOUR	L.S.	1.82	1.73	3.15
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				848.39
	Add 1 % Water charges				8.48
	TOTAL				856.87
	Add 15 % Contractor's profit and overheads				128.53
	Cost of 0.66 sqm.				985.40
	Cost of 1 sqm.				1493.03
	Say				1493.05

9.7.7 Float glass panes

9.7.7.1 4 mm thick glass pane

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	286.00	228.80
9977	CARRIAGE LABOUR	L.S.	1.82	1.73	3.15
0156	Carpenter (average)	day	0.57	467.00	266.19
0119	Glazier	day	0.15	448.00	67.20
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	25.47	1.73	44.06
	TOTAL				664.60
	Add 1 % Water charges				6.65
	TOTAL				671.25
	Add 15 % Contractor's profit and overheads				100.69
	Cost of 0.66 sqm.				771.94
	Cost of 1 sqm.				1169.60
	Say				1169.60

9.7.7.2 5.5 mm thick glass panes

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 5.5 mm.(weight not less than 13.50 kg/sqm).	sqm	0.80	490.00	392.00
9977	CARRIAGE LABOUR	L.S.	1.82	1.73	3.15
0156	Carpenter (average)	day	0.57	467.00	266.19
0119	Glazier	day	0.15	448.00	67.20
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	25.47	1.73	44.06
	TOTAL				827.80
	Add 1 % Water charges				8.28
	TOTAL				836.08
	Add 15 % Contractor's profit and overheads				125.41
	Cost of 0.66 sqm.				961.49
	Cost of 1 sqm.				1456.80
	Say				1456.80

9.7.8 Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm 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	650.00	520.00
9977	CARRIAGE LABOUR	L.S.	1.82	1.73	3.15
0112	Carpenter 2nd class	day	0.57	448.00	255.36
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				786.16
	Add 1 % Water charges				7.86
	TOTAL				794.02
	Add 15 % Contractor's profit and overheads				119.10
	Cost of 0.66 sqm.				913.12
	Cost of 1 sqm.				1383.51
	Say				1383.50

9.9 Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including 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	675.00	3915.00
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	286.00	363.22

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
2204	Carriage of Timber	cum	0.058	118.59	6.88
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0119	Glazier	day	0.23	448.00	103.04
0114	Beldar	day	0.77	368.00	283.36
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				5689.85
	Add 1 % Water charges				56.90
	TOTAL				5746.75
	Add 15 % Contractor's profit and overheads				862.01
	Cost of 2.16 sqm.				6608.76
	Cost of 1 sqm.				3059.61
	Say				3059.60

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	675.00	3375.00
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	286.00	363.22
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
2204	Carriage of Timber	cum	0.05	118.59	5.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0119	Glazier	day	0.23	448.00	103.04
0114	Beldar	day	0.77	368.00	283.36
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				5148.90
	Add 1 % Water charges				51.49
	TOTAL				5200.39
	Add 15 % Contractor's profit and overheads				780.06
	Cost of 2.16 sqm.				5980.45
	Cost of 1 sqm.				2768.72
	Say				2768.70

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	390.00	2262.00
2504	Kiln seasoning of timber	cum	0.058	750.00	43.50
9999	(iii) Chemical treatment	L.S.	9.10	1.73	15.74
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	286.00	363.22
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
2204	Carriage of Timber	cum	0.058	118.59	6.88
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0119	Glazier	day	0.23	448.00	103.04
0114	Beldar	day	0.77	368.00	283.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				4096.09
	Add 1 % Water charges				40.96
	TOTAL				4137.05
	Add 15 % Contractor's profit and overheads				620.56
	Cost of 2.16 sqm.				4757.61
	Cost of 1 sqm.				2202.59
	Say				2202.60

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.+ Add for wastage @ 10% = 0.005cum. Grand Total = 0.050 = 50 cudm				
2505	Hollock wood in planks	10 cudm	5.00	390.00	1950.00
2504	Kiln seasoning of timber	cum	0.05	750.00	37.50
9999	Chemical treatment	L.S.	9.10	1.73	15.74
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	286.00	363.22
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
2204	Carriage of Timber	cum	0.05	118.59	5.93
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0119	Glazier	day	0.23	448.00	103.04
0114	Beldar	day	0.77	368.00	283.36
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				3777.14
	Add 1 % Water charges				37.77
	TOTAL				3814.91
	Add 15 % Contractor's profit and overheads				572.24
	Cost of 2.16 sqm.				4387.15
	Cost of 1 sqm.				2031.08
	Say				2031.10

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+ 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
2504	Kiln seasoning of timber	cum	0.058	750.00	43.50
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	286.00	363.22
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
2204	Carriage of Timber	cum	0.058	118.59	6.88
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0119	Glazier	day	0.23	448.00	103.04
0114	Beldar	day	0.77	368.00	283.36
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				5588.35
	Add 1 % Water charges				55.88
	TOTAL				5644.23
	Add 15 % Contractor's profit and overheads				846.63
	Cost of 2.16 sqm.				6490.86
	Cost of 1 sqm.				3005.02
	Say				3005.00

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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL Sheesham 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.+ 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
2504	Kiln seasoning of timber	cum	0.05	750.00	37.50
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	286.00	363.22
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
2204	Carriage of Timber	cum	0.05	118.59	5.93
	LABOUR				
0156	Carpenter (average)	day	1.83	467.00	854.61
0119	Glazier	day	0.23	448.00	103.04
0114	Beldar	day	0.77	368.00	283.36
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				5061.40
	Add 1 % Water charges				50.61
	TOTAL				5112.01
	Add 15 % Contractor's profit and overheads				766.80
	Cost of 2.16 sqm.				5878.81
	Cost of 1 sqm.				2721.67
	Say				2721.65

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, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all as per directions of Engineer-in-charge.

9.10.1 30 mm thick shutters

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of one shutter 220x108cm = 2.38sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7151	MATERIAL 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	1700.00	4046.00
9977	Carriage of shutters	L.S.	29.64	1.73	51.28
	Fittings :				
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.52	467.00	242.84
0114	Beldar	day	0.60	368.00	220.80
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4716.79
	Add 1 % Water charges				47.17
	TOTAL				4763.96
	Add 15 % Contractor's profit and overheads				714.59
	Cost of 2.38 sqm.				5478.55
	Cost of 1 sqm.				2301.91
	Say				2301.90

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 5.5 mm thick instead of 4 mm thick.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one sqm.				
	MATERIAL				
2407	Float glass sheet of nominal thickness 5.5 mm.(weight not less than 13.50 kg/sqm).	sqm	1.00	490.00	490.00
	Deduct				
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	286.00	-286.00
	Total				204.00
	Add 1 % Water charges				2.04
	TOTAL				206.04
	Add 15 % Contractor's profit and overheads				30.91
	Cost of 1 sqm.				236.95
	Say				236.95

9.12 Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick 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 ₹
7032	Cost for 1 sqm. MATERIAL Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	1.00	350.00	350.00
2406	Deduct Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	286.00	-286.00
	TOTAL				64.00
	Add 1 % Water charges				0.64
	TOTAL				64.64
	Add 15 % Contractor's profit and overheads				9.70
	Cost of 1 sqm.				74.34
	Say				74.35

9.13 Deduct for providing pin headed glass panes instead of ordinary float glass panes weighing 4 mm thick 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 ₹
2406	Cost for 1 sqm. MATERIAL Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	286.00	-286.00
7451	Deduct Glass sheet (Pin headed) 4 mm thick	sqm	1.00	320.00	320.00
	TOTAL				34.00
	Add 1 % Water charges				0.34
	TOTAL				34.34
	Add 15 % Contractor's profit and overheads				5.15
	Cost of 1 sqm.				39.49
	Say				39.30

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 ₹
8220	Details of cost for one door shutter of a door 200x108cm = 2.16 sqm. MATERIAL Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
	Deduct				
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	-0.60	85.00	-51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	-0.20	50.00	-10.00
	Black enameled Iron				
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	-0.48	63.00	-30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	-0.08	32.00	-2.56
	TOTAL				185.64
	Add 1 % Water charges				1.86
	TOTAL				187.50
	Add 15 % Contractor's profit and overheads				28.13
	Cost of 2.16sqm.				215.63
	Cost on 1 sqm.				99.82
	Say				99.80

9.15 Deduct for not providing hinges in doors, windows or clerestory window shutters with :

9.15.1 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				
	Anodised aluminum butt hinges				
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
	TOTAL				279.44
	Add 1 % Water charges				2.79
	TOTAL				282.23
	Add 15 % Contractor's profit and overheads				42.33
	Cost of 2.16 sqm.				324.56
	Cost of 1 sqm.				150.25
	Say				150.25

9.15.2 ISI marked M.S. pressed butt hinges bright finished of required size.

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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	MATERIAL Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	TOTAL				93.80
	Add 1 % Water charges				0.94
	TOTAL				94.74
	Add 15 % Contractor's profit and overheads				14.21
	Cost of 2.16 sqm.				108.95
	Cost of 1 sqm.				50.43
	Say				50.45

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	675.00	2700.00
2204	Carriage of Timber	cum	0.04	118.59	4.74
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.99	286.00	283.14
0694	Fittings- Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	0.60	200.00	120.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.48	310.00	148.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0111	Carpenter 1st class	day	2.40	487.00	1168.80
0119	Glazier	day	0.18	448.00	80.64
0114	Beldar	day	0.77	368.00	283.36
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				4859.42
	Add 1 % Water charges				48.59
	TOTAL				4908.01
	Add 15 % Contractor's profit and overheads				736.20
	Cost of 2.16 sqm.				5644.21
	Cost of 1 sqm.				2613.06
	Say				2613.05

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	675.00	2700.00
2204	Carriage of Timber	cum	0.04	118.59	4.74
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	0.99	286.00	283.14
	Fittings-				
0608	Nickel plated mild steel piano hinges 1 mm thick 25 mm wide	metre	4.00	40.00	160.00
0586	Chromium plated Brass screws 40 mm	100 Nos	1.14	310.00	353.40
	LABOUR				
0111	Carpenter 1st class	day	2.40	487.00	1168.80
0119	Glazier	day	0.18	448.00	80.64
0114	Beldar	day	0.77	368.00	283.36

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				5104.02
	Add 1 % Water charges				51.04
	TOTAL				5155.06
	Add 15 % Contractor's profit and overheads				773.26
	Cost of 2.16 sqm.				5928.32
	Cost of 1 sqm.				2744.59
	Say				2744.60

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	675.00	2902.50
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	286.00	363.22
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	0.60	200.00	120.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.48	37.00	17.76
2204	Carriage of Timber LABOUR	cum	0.043	118.59	5.10
0156	Carpenter (average)	day	1.83	467.00	854.61
0119	Glazier	day	0.23	448.00	103.04
0114	Beldar	day	0.77	368.00	283.36
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				4719.53
	Add 1 % Water charges				47.20
	TOTAL				4766.73
	Add 15 % Contractor's profit and overheads				715.01
	Cost of 2.16 sqm.				5481.74
	Cost of 1 sqm.				2537.84
	Say				2537.85

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	675.00	2902.50
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	1.27	286.00	363.22
0608	Nickel plated mild steel piono hinges 1 mm thick 25 mm wide	metre	4.00	40.00	160.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.14	37.00	42.18
2204	Carriage of Timber LABOUR	cum	0.043	118.59	5.10
0156	Carpenter (average)	day	1.83	467.00	854.61
0119	Glazier	day	0.23	448.00	103.04
0114	Beldar	day	0.77	368.00	283.36
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				4783.95
	Add 1 % Water charges				47.84
	TOTAL				4831.79
	Add 15 % Contractor's profit and overheads				724.77
	Cost of 2.16 sqm.				5556.56
	Cost of 1 sqm.				2572.48
	Say				2572.50

9.17 Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0341	Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick	sqm	7.35	330.00	2425.50
9977	Carriage of particle board	L.S.	13.52	1.73	23.39
9999	Sundries and screws	L.S.	26.91	1.73	46.55
	LABOUR				
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				3266.64
	Add 1 % Water charges				32.67
	TOTAL				3299.31
	Add 15 % Contractor's profit and overheads				494.90
	Cost of 7 sqm.				3794.21
	Cost of 1 sqm.				542.03
	Say				542.05

9.17.2 18 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				
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	7.35	440.00	3234.00
9977	Carriage of particle board	L.S.	19.76	1.73	34.18
9999	Sundries and screws	L.S.	26.91	1.73	46.55
	LABOUR				
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				4085.93
	Add 1 % Water charges				40.86
	TOTAL				4126.79
	Add 15 % Contractor's profit and overheads				619.02
	Cost of 7 sqm.				4745.81
	Cost of 1 sqm.				677.97
	Say				677.95

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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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	675.00	425.25
9977	Carriage of board	L.S.	0.91	1.73	1.57
	LABOUR				
0112	Carpenter 2nd class	day	0.11	448.00	49.28
0114	Beldar	day	0.06	368.00	22.08
9999	Sundries, Painting edges & Screws	L.S.	7.80	1.73	13.49
	TOTAL				511.67
	Add 1 % Water charges				5.12
	TOTAL				516.79
	Add 15 % Contractor's profit and overheads				77.52
	Cost of 0.60 sqm.				594.31
	Cost per sqm.				990.51
	Say				990.50

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	930.00	585.90
9977	Carriage of board	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.11	448.00	49.28
0114	Beldar	day	0.06	368.00	22.08
9999	Sundries, Painting edges & Screws	L.S.	7.80	1.73	13.49
	TOTAL				673.90
	Add 1 % Water charges				6.74
	TOTAL				680.64
	Add 15 % Contractor's profit and overheads				102.10
	Cost of 0.60 sqm.				782.74
	Cost per sqm.				1304.56
	Say				1304.55

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	1800.00	3960.00
9977	Carriage of door	L.S.	29.64	1.73	51.28
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
	LABOUR				
	For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	467.00	256.85
0114	Beldar	day	0.55	368.00	202.40
	TOTAL				4714.37
	Add 1 % Water charges				47.14
	TOTAL				4761.51
	Add 15 % Contractor's profit and overheads				714.23
	Cost for 2.2 sqm.				5475.74
	Cost of 1 sqm.				2488.97
	Say				2488.95

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	1700.00	3740.00
9977	Carriage of door	L.S.	29.64	1.73	51.28
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
	LABOUR				
	For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	467.00	256.85
0114	Beldar	day	0.55	368.00	202.40
	TOTAL				4494.37
	Add 1 % Water charges				44.94
	TOTAL				4539.31
	Add 15 % Contractor's profit and overheads				680.90
	Cost for 2.2 sqm.				5220.21
	Cost of 1 sqm.				2372.82
	Say				2372.80

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	1500.00	3300.00
9977	Carriage of door	L.S.	29.64	1.73	51.28
	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	40.00	176.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.25	37.00	46.25
	LABOUR				
	For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	467.00	256.85
0114	Beldar	day	0.55	368.00	202.40
	TOTAL				4032.78
	Add 1 % Water charges				40.33
	TOTAL				4073.11
	Add 15 % Contractor's profit and overheads				610.97
	Cost for 2.2 sqm.				4684.08
	Cost of 1 sqm.				2129.12
	Say				2129.10

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	1000.00	2200.00
9977	Carriage of door	L.S.	29.64	1.73	51.28
	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	240.00	144.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
	LABOUR				
	For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	467.00	256.85
0114	Beldar	day	0.55	368.00	202.40
	TOTAL				2954.37
	Add 1 % Water charges				29.54
	TOTAL				2983.91
	Add 15 % Contractor's profit and overheads				447.59
	Cost for 2.2 sqm.				3431.50
	Cost of 1 sqm.				1559.77
	Say				1559.75

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	1000.00	2200.00
9977	Carriage of door	L.S.	29.64	1.73	51.28
8220	Fittings-For a door 2.2x1.0m = 2.20 sqm. Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
	LABOUR				
	For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	467.00	256.85
0114	Beldar	day	0.55	368.00	202.40
	TOTAL				2954.37
	Add 1 % Water charges				29.54
	TOTAL				2983.91
	Add 15 % Contractor's profit and overheads				447.59
	Cost for 2.2 sqm.				3431.50
	Cost of 1 sqm.				1559.77
	Say				1559.75

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	960.00	2112.00
9977	Carriage of door	L.S.	29.64	1.73	51.28
	Fittings-For a door 2.2x1.0m = 2.20 sqm.				
0608	Nickel plated mild steel piano hinges 1 mm thick 25 mm wide	metre	4.40	40.00	176.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	1.25	37.00	46.25
	LABOUR				
	For fixing shutter and fittings				
0156	Carpenter (average)	day	0.55	467.00	256.85
0114	Beldar	day	0.55	368.00	202.40
	TOTAL				2844.78
	Add 1 % Water charges				28.45
	TOTAL				2873.23
	Add 15 % Contractor's profit and overheads				430.98
	Cost for 2.2 sqm.				3304.21
	Cost of 1 sqm.				1501.91
	Say				1501.90

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 ₹
7307	Details of cost for 1sqm. For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	1.00	340.00	340.00
	TOTAL				340.00
	Add 1 % Water charges				3.40
	TOTAL				343.40
	Add 15 % Contractor's profit and overheads				51.51
	Cost for 1 sqm.				394.91
	Say				394.90

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 ₹
0752	Details of cost for 1 sqm. of door area Block board construction flush door lipping	sqm of door area	1.00	315.00	315.00
	TOTAL				315.00
	Add 1 % Water charges				3.15
	TOTAL				318.15
	Add 15 % Contractor's profit and overheads				47.72
	Cost for 1 sqm				365.87
	Say				365.85

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 ₹
0753	Details of cost for 1 sqm. of door area 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
	Add 1 % Water charges				1.40
	TOTAL				141.40
	Add 15 % Contractor's profit and overheads				21.21
	Cost for 1 sqm.				162.61
	Say				162.60

9.24.2 Circular

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0754	Details of cost for 1 sqm. of door area Circular vision panel (upto 0.10 sqm) in Block board construction flush door	sqm of door area	1.00	150.00	150.00
	TOTAL				150.00
	Add 1 % Water charges				1.50
	TOTAL				151.50
	Add 15 % Contractor's profit and overheads				22.73
	Cost for 1 sqm.				174.23
	Say				174.25

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 ₹
0755	Details of cost for 1 sqm. of door area Decorative type Louvers (upto 0.20 sqm) in Block board construction flush door	sqm of door area	1.00	325.00	325.00
	TOTAL				325.00
	Add 1 % Water charges				3.25
	TOTAL				328.25
	Add 15 % Contractor's profit and overheads				49.24
	Cost for 1 sqm.				377.49
	Say				377.50

9.26 Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0757	Details of cost for 1 sqm. of door area Rebate cutting in Block board construction flush door	sqm of door area	1.00	110.00	110.00
	TOTAL				110.00
	Add 1 % Water charges				1.10
	TOTAL				111.10
	Add 15 % Contractor's profit and overheads				16.67
	Cost for 1 sqm.				127.77
	Say				127.75

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 cum.				
1190	Second class teak wood in planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	675.00	3469.50
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	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5468.31
	Add 1 % Water charges				54.68
	TOTAL				5522.99
	Add 15 % Contractor's profit and overheads				828.45
	Cost of 2.16 sqm.				6351.44
	Cost of 1 sqm.				2940.48
	Say				2940.50

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 cumdm.				
2505	Hollock wood in planks	10 cumdm	5.14	390.00	2004.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
9999	Chemical treatment	L.S.	8.97	1.73	15.52
	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	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4057.48
	Add 1 % Water charges				40.57
	TOTAL				4098.05
	Add 15 % Contractor's profit and overheads				614.71
	Cost of 2.16 sqm.				4712.76
	Cost of 1 sqm.				2181.83
	Say				2181.85

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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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 cum.				
1200	Kiln seasoned selected sheesum wood planks	10 cum	5.14	650.00	3341.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
	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	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5378.36
	Add 1 % Water charges				53.78
	TOTAL				5432.14
	Add 15 % Contractor's profit and overheads				814.82
	Cost of 2.16 sqm.				6246.96
	Cost of 1 sqm.				2892.11
	Say				2892.10

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+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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 Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	675.00	3469.50
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	240.00	144.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5653.95
	Add 1 % Water charges				56.54
	TOTAL				5710.49
	Add 15 % Contractor's profit and overheads				856.57
	Cost of 2.16 sqm.				6567.06
	Cost of 1 sqm.				3040.30
	Say				3040.30

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.+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add for wastage @ 10% = 0.005 cum. Total = 0.0514 cum. Say 51.4 cum.				
2505	Hollock wood in planks	10 cum	5.14	390.00	2004.60
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
9999	Chemical treatment	L.S.	8.97	1.73	15.52
	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	240.00	144.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4243.12
	Add 1 % Water charges				42.43
	TOTAL				4285.55
	Add 15 % Contractor's profit and overheads				642.83
	Cost of 2.16 sqm.				4928.38
	Cost of 1 sqm.				2281.65
	Say				2281.65

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 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 cum.				
1200	Kiln seasoned selected sheesham wood planks	10 cum	5.14	650.00	3341.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2504	Kiln seasoning of timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.0514	750.00	38.55
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	240.00	144.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5564.00
	Add 1 % Water charges				55.64
	TOTAL				5619.64
	Add 15 % Contractor's profit and overheads				842.95
	Cost of 2.16 sqm.				6462.59
	Cost of 1 sqm.				2991.93
	Say				2991.95

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	675.00	2970.00
2204	Carriage of Timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.044	118.59	5.22

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4853.59
	Add 1 % Water charges				48.54
	TOTAL				4902.13
	Add 15 % Contractor's profit and overheads				735.32
	Cost of 2.16 sqm.				5637.45
	Cost of 1 sqm.				2609.93
	Say				2609.95

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	390.00	1716.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	9.10	1.73	15.74
	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

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				3648.33
	Add 1 % Water charges				36.48
	TOTAL				3684.81
	Add 15 % Contractor's profit and overheads				552.72
	Cost of 2.16 sqm.				4237.53
	Cost of 1 sqm.				1961.81
	Say				1961.80

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 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.				
1200	Kiln seasoned selected sheesham wood planks	10 cudm	4.40	650.00	2860.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
	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	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4776.59
	Add 1 % Water charges				47.77
	TOTAL				4824.36
	Add 15 % Contractor's profit and overheads				723.65
	Cost of 2.16 sqm.				5548.01
	Cost of 1 sqm.				2568.52
	Say				2568.50

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	675.00	2970.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
	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	240.00	144.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	4.80	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5039.23
	Add 1 % Water charges				50.39
	TOTAL				5089.62
	Add 15 % Contractor's profit and overheads				763.44
	Cost of 2.16 sqm.				5853.06
	Cost of 1 sqm.				2709.75
	Say				2709.75

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	390.00	1716.00
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	8.97	1.73	15.52
2204	Carriage of Timber	cum	0.044	118.59	5.22
	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	240.00	144.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				3833.75
	Add 1 % Water charges				38.34
	TOTAL				3872.09
	Add 15 % Contractor's profit and overheads				580.81
	Cost of 2.16 sqm.				4452.90
	Cost of 1 sqm.				2061.52
	Say				2061.50

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 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.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
	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	240.00	144.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4962.23
	Add 1 % Water charges				49.62
	TOTAL				5011.85
	Add 15 % Contractor's profit and overheads				751.78
	Cost of 2.16 sqm.				5763.63
	Cost of 1 sqm.				2668.34
	Say				2668.35

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, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, as per directions of Engineer-in-charge:

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	1700.00	4046.00
9977	Carriage of shutters	L.S.	29.64	1.73	51.28
	Fittings :				
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.52	467.00	242.84
0114	Beldar	day	0.60	368.00	220.80
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4716.79
	Add 1 % Water charges				47.17
	TOTAL				4763.96
	Add 15 % Contractor's profit and overheads				714.59
	Cost of 2.38 sqm.				5478.55
	Cost of 1 sqm.				2301.91
	Say				2301.90

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	1500.00	3570.00
9977	Carriage of shutters	L.S.	29.64	1.73	51.28
	Fittings :				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.52	467.00	242.84
0114	Beldar	day	0.60	368.00	220.80
9999	Sundries	L.S.	35.88	1.73	62.07
	TOTAL				4240.79
	Add 1 % Water charges				42.41
	TOTAL				4283.20
	Add 15 % Contractor's profit and overheads				642.48
	Cost of 2.38 sqm.				4925.68
	Cost of 1 sqm.				2069.61
	Say				2069.60

9.32 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	660.00	924.00
2204	Carriage of Timber	cum	0.014	118.59	1.66
	Cement mortar 1 : 3 (1 cement : 3 fine sand)				
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.002	4252.70	8.51
	LABOUR				
0112	Carpenter 2nd class	day	0.75	448.00	336.00
0124	Mason (brick layer) 2nd class	day	0.75	448.00	336.00
0114	Beldar	day	0.75	368.00	276.00
	TOTAL				1882.17
	Add 1 % Water charges				18.82
	TOTAL				1900.99
	Add 15 % Contractor's profit and overheads				285.15
	Cost of 100 nos.				2186.14
	Cost of 1 no.				21.86
	Say				21.85

9.33 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.

9.33.1 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	10.00	100.00
9999	Labour for drilling holes and making good etc.	L.S.	20.80	1.73	35.98
	TOTAL				135.98
	Add 1 % Water charges				1.36
	TOTAL				137.34
	Add 15 % Contractor's profit and overheads				20.60
	Cost of 10 nos.				157.94
	Cost of 1 no.				15.79
	Say				15.80

9.33.2 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	1.73	44.98
	TOTAL				154.98
	Add 1 % Water charges				1.55
	TOTAL				156.53
	Add 15 % Contractor's profit and overheads				23.48
	Cost of 10 nos.				180.01
	Cost of 1 no.				18.00
	Say				18.00

9.33.3 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	1.73	44.98
	TOTAL				184.98
	Add 1 % Water charges				1.85
	TOTAL				186.83
	Add 15 % Contractor's profit and overheads				28.02
	Cost of 10 nos.				214.85
	Cost of 1 no.				21.48
	Say				21.50

9.33.4 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	1.73	44.98
	TOTAL				194.98
	Add 1 % Water charges				1.95
	TOTAL				196.93
	Add 15 % Contractor's profit and overheads				29.54
	Cost of 10 nos.				226.47
	Cost of 1 no.				22.64
	Say				22.65

9.34 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.

9.34.1 40 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 10 nos. 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	675.00	29700.00
1231	Extra for selected planks of second class teakwood	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)				
9.32	Rate as per item no 9.32 of SH : Wood work and PVC work	each	55.00	21.85	1201.75(A)
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	34.95	349.50(A)
2204	Carriage of Timber	cum	0.44	118.59	52.18
	LABOUR				
	For planning and fixing				
0111	Carpenter 1st class	day	2.15	487.00	1047.05
0114	Beldar	day	1.62	368.00	596.16
9999	Sundries & screws etc.	L.S.	53.82	1.73	93.11
	TOTAL				39639.75
	Add 1 % Water charges on all except (A) i.e. on (39639.75 - 1551.25) = 38088.50				380.89
	TOTAL				40020.64
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (40020.64 - 1551.25) = 38469.39				5770.41
	Cost of 10 sqm.				45791.05
	Cost of 1 sqm.				4579.10
	Say				4579.10

9.34.2 25 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 10 nos. 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	675.00	18562.50
1231	Extra for selected planks of second class teakwood	10 cudm	27.50	150.00	4125.00
2204	Carriage of Timber	cum	0.275	118.59	32.61
9.32	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) Rate as per item no 9.32 of SH : Wood work Priming coat	each	55.00	21.85	1201.75(A)
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	34.95	349.50(A)
0111	LABOUR Carpenter 1st class	day	2.15	487.00	1047.05
0114	Beldar	day	1.62	368.00	596.16
9999	Sundries & screws etc.	L.S.	53.82	1.73	93.11
	TOTAL				26007.68
	Add 1 % Water charges on all except (A) i.e. on (26007.68 - 1551.25) = 24456.43				244.56
	TOTAL				26252.24
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (26252.24 - 1551.25) = 24700.99				3705.15
	Cost of 10 sqm.				29957.39
	Cost of 1 sqm.				2995.73
	Say				2995.75

9.34.3 20 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 10 nos. 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	675.00	14850.00
1231	Extra for selected planks of second class teakwood	10 cudm	22.00	150.00	3300.00
2204	Carriage of Timber	cum	0.22	118.59	26.09
9.32	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) Rate as per item no 9.32 of SH : Wood work Priming coat	each	55.00	21.85	1201.75(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.1	Rate as per item no 13.50.1 of SH : Finishing LABOUR	sqm	10.00	34.95	349.50(A)
0111	Carpenter 1st class	day	1.08	487.00	525.96
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.08	368.00	397.44
9999	Sundries & screws etc.	L.S.	53.82	1.73	93.11
	TOTAL				21102.25
	Add 1 % Water charges on all except (A) i.e. on (21102.25 - 1551.25) = 19551.00				195.51
	TOTAL				21297.76
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (21297.76 - 1551.25) = 19746.51				2961.98
	Cost of 10 sqm.				24259.74
	Cost of 1 sqm.				2425.97
	Say				2425.95

9.34.4 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 10 nos. 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	675.00	8910.00
1231	Extra for selected planks of second class teakwood	10 cudm	13.20	150.00	1980.00
2204	Carriage of Timber	cum	0.132	118.59	15.65
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)				
9.32	Rate as per item no 9.32 of SH : Wood work LABOUR	each	55.00	21.85	1201.75(A)
0111	Carpenter 1st class	day	1.08	487.00	525.96
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.08	368.00	397.44
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	34.95	349.50(A)
9999	Sundries & screws etc.	L.S.	53.82	1.73	93.11
	TOTAL				13831.81
	Add 1 % Water charges on all except (A) i.e. on (13831.81 - 1551.25) = 12280.56				122.81
	TOTAL				13954.62
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (13954.62 - 1551.25) = 12403.37				1860.51
	Cost of 10 sqm.				15815.13
	Cost of 1 sqm.				1581.51
	Say				1581.50

9.35 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 surface, with necessary fixing arrangement and screws etc. complete :

9.35.1 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	563.00	6193.00
9977	Carriage of particle board	L.S.	13.52	1.73	23.39
9999	Sundries and screws	L.S.	26.91	1.73	46.55
	Priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	34.95	349.50(A)
	LABOUR				
0112	Carpenter 2nd class	day	1.28	448.00	573.44
0114	Beldar	day	1.43	368.00	526.24
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	10.00	550.00
	TOTAL				8262.12
	Add 1 % Water charges on all except (A) i.e. on (8262.12 - 349.50) = 7912.62				79.13
	TOTAL				8341.25
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8341.25 - 349.50) = 7991.75				1198.76
	Cost of 10 sqm.				9540.01
	Cost of 1 sqm.				954.00
	Say				954.00

9.35.2 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	675.00	7425.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of particle board	L.S.	13.52	1.73	23.39
9999	Sundries and screws	L.S.	26.91	1.73	46.55
13.50.1	Priming coat Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	34.95	349.50(A)
	LABOUR				
0112	Carpenter 2nd class	day	1.28	448.00	573.44
0114	Beldar	day	1.43	368.00	526.24
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	10.00	550.00
	TOTAL				9494.12
	Add 1 % Water charges on all except (A) i.e. on (9494.12 - 349.50) = 9144.62				91.45
	TOTAL				9585.57
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9585.57 - 349.50) = 9236.07				1385.41
	Cost of 10 sqm.				10970.98
	Cost of 1 sqm.				1097.09
	Say				1097.10

9.35.3 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	930.00	10230.00
9977	Carriage of particle board	L.S.	13.52	1.73	23.39
9999	Sundries and screws etc	L.S.	26.91	1.73	46.55
13.50.1	Priming coat Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	34.95	349.50(A)
	LABOUR				
0112	Carpenter 2nd class	day	1.28	448.00	573.44
0114	Beldar	day	1.43	368.00	526.24
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	10.00	550.00
	TOTAL				12299.12
	Add 1 % Water charges on all except (A) i.e. on (12299.12 - 349.50) = 11949.62				119.50
	TOTAL				12418.62
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (12418.62 - 349.50) = 12069.12				1810.37
	Cost of 10 sqm.				14228.99
	Cost of 1 sqm.				1422.89
	Say				1422.90

9.36 Providing and fixing specified wood frame work consisting of battens 50x25 mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.

9.36.1 Kiln seasoned and chemically treated hollock wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5 no. battens of size 500cmx50mmx25mm = 31.25 cudm MATERIAL Hollock wood- 5x5.00x0.50x 0.025 = 0.03125 cum Add wastage @ 5% = 0.00156 cum. Total = 0.03281 cum Say 33 cudm.				
2505	Hollock wood in planks	10 cudm	3.30	390.00	1287.00
2204	Carriage of Timber	cum	0.033	118.59	3.91
	LABOUR				
0111	Carpenter 1st class	day	1.00	487.00	487.00
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	6.76	1.73	11.69
	Painting with ready mixed priming coat on ground 5x500x15 cm =3.75 sqm Rate as per item no 13.50.1 of SH : Finishing	sqm	3.75	34.95	131.06(A)
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	10.00	550.00
9999	Labour for drilling holes steel tape sundries etc.	L.S.	71.50	1.73	123.70
	TOTAL				2686.36
	Add 1 % Water charges on all except (A) i.e. on (2686.36 - 131.06) = 2555.30				25.55
	TOTAL				2711.91
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (2711.91 - 131.06) = 2580.85				387.13
	Cost of 31.25 cudm.				3099.04
	Cost of 1 cum.				99169.28
	Say				99169.30

9.37 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 :

9.37.1 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	300.00	3600.00
9977	Carriage of ply wood	L.S.	5.46	1.73	9.45
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9.32	Rate as per item no 9.32 of SH : Wood work LABOUR	each	55.00	21.85	1201.75(A)
0111	Carpenter 1st class	day	3.80	487.00	1850.60
0114	Beldar	day	4.60	368.00	1692.80
0130	Mistry	day	0.60	487.00	292.20
9999	20mm nails without head for fixing ply	L.S.	53.82	1.73	93.11
13.50.1	Painting with ready mixed priming coat				
	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	34.95	349.50(A)
	TOTAL				9089.41
	Add 1 % Water charges on all except (A) i.e. on (9089.41 - 1551.25) = 7538.16				75.38
	TOTAL				9164.79
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9164.79 - 1551.25) = 7613.54				1142.03
	Cost of 10 sqm.				10306.82
	Cost of 1 sqm.				1030.68
	Say				1030.70

9.38 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	300.00	3600.00
9977	Carriage of Coir veneered board	L.S.	5.46	1.73	9.45
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand)				
9.32	Rate as per item no 9.32 of SH : Wood work LABOUR	each	55.00	21.85	1201.75(A)
0111	Carpenter 1st class	day	3.80	487.00	1850.60
0114	Beldar	day	4.60	368.00	1692.80
0130	Mistry	day	0.60	487.00	292.20
9999	20mm nails without head for fixing ply	L.S.	53.82	1.73	93.11
	Priming coat Painting with ready mixed priming coat				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	34.95	349.50(A)
	TOTAL				9089.41
	Add 1 % Water charges on all except (A) i.e. on (9089.41 - 1551.25) = 7538.16				75.38
	TOTAL				9164.79
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9164.79 - 1551.25) = 7613.54				1142.03
	Cost of 10 sqm.				10306.82
	Cost of 1 sqm.				1030.68
	Say				1030.70

9.39 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 :

9.39.1 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	675.00	4455.00
9977	Carriage of particle board	L.S.	8.11	1.73	14.03
7048	Rawl plug 50 mm (designation 10 no.)	each	102.00	10.00	1020.00
9999	Labour for drilling holes	L.S.	130.00	1.73	224.90
	LABOUR For dressing and fixing particle board to skirting				
0112	Carpenter 2nd class	day	0.77	448.00	344.96
0114	Beldar	day	0.86	368.00	316.48
9999	Sundries (Screws, sand paper)	L.S.	53.82	1.73	93.11
	Painting with ready mixed priming coat at back				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing TOTAL	sqm	6.00	34.95	209.70(A) 6678.18
	Add 1 % Water charges on all except (A) i.e. on (6678.18 - 209.70) = 6468.48				64.68
	TOTAL				6742.86
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6742.86 - 209.70) = 6533.16				979.97
	Cost of 6 sqm.				7722.83
	Cost of 1 sqm.				1287.13
	Say				1287.15

9.39.2 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.+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7479	Add wastage @ 10% = 0.6sqm. Total = 6.6 sqm. 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	930.00	6138.00
9977	Carriage of particle board	L.S.	8.11	1.73	14.03
7048	Rawl plug 50 mm (designation 10 no.)	each	102.00	10.00	1020.00
9999	Labour for drilling holes LABOUR For dressing and fixing particle board to skirting	L.S.	130.00	1.73	224.90
0112	Carpenter 2nd class	day	0.77	448.00	344.96
0114	Beldar	day	0.86	368.00	316.48
9999	Sundries (Screws, sand paper) Painting with ready mixed priming coat at back	L.S.	53.82	1.73	93.11
13.50.1	Rate as per item no 13.50.1 of SH : Finishing TOTAL	sqm	6.00	34.95	209.70(A) 8361.18
	Add 1 % Water charges on all except (A) i.e. on (8361.18 - 209.70) = 8151.48 TOTAL				81.51 8442.69
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8442.69 - 209.70) = 8232.99				1234.95
	Cost of 6 sqm.				9677.64
	Cost of 1 sqm.				1612.94
	Say				1612.95

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 a window of size 140x110cm i.e. 500cm long (5 metre) MATERIAL Teak wood IInd class in planks 500x5x1.2cm = 0.003 cum+ Add for wastage @ 10% = 0.0003 cum. Total = 0.0033 cum. Say 3.3 cudm.				
1190	Second class teak wood in planks	10 cudm	0.33	675.00	222.75
2204	Carriage of Timber	cum	0.0033	118.59	0.39
0637	Bright finished or black enamelled mild steel screws 40 mm Painting with priming coat Area = 500(5+1.2+1.2) = 0.37 sqm	100 Nos	0.36	63.00	22.68
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	0.37	34.95	12.93(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR For plaining, fixing and making design Carpenter 1st class	day	0.53	487.00	258.11
	TOTAL				516.86
	Add 1 % Water charges on all except (A) i.e. on (516.86 - 12.93) = 503.93				5.04
	TOTAL				521.90
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (521.90 - 12.93) = 508.97				76.35
	Cost of 5 m.				598.25
	Cost of 1 metre				119.65
	Say				119.65

9.40.1.2 50 x 20 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading of a window of size 140x110cm i.e. 500cm. long (5metre)				
	MATERIAL				
	Teak wood IInd class in planks 500x5x2.0cm = 0.005cum+				
	Add for wastage @ 10% = 0.0005 cum.				
	Total = 0.0055 cum. Say 5.5 cudm.				
1190	Second class teak wood in planks	10 cudm	0.55	675.00	371.25
2204	Carriage of Timber	cum	0.0055	118.59	0.65
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	63.00	22.68
	Painting with priming coat Area = 500(5+2+2) = 0.45 sqm				
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	0.45	34.95	15.73(A)
	LABOUR				
0111	For plaining, fixing and making design Carpenter 1st class	day	0.53	487.00	258.11
	TOTAL				668.42
	Add 1 % Water charges on all except (A) i.e. on (668.42 - 15.73) = 652.69				6.53
	TOTAL				674.95
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (674.95 - 15.73) = 659.22				98.88
	Cost of 5 m.				773.83
	Cost of 1 metre				154.76
	Say				154.75

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 a window of size 140x110cm i.e. 500cm long (5 metre) MATERIAL Hollock wood 500x5x1.2cm = 0.003 cum+ Add for wastage @ 10% = 0.0003 cum. Total = 0.0033 cum. Say 3.3 cum.				
2505	Hollock wood in planks	10 cum	0.33	390.00	128.70
2204	Carriage of Timber	cum	0.0033	118.59	0.39
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	63.00	22.68
13.50.1	Painting with priming coat Area = 500(5+1.2+1.2) = 0.37 sqm Rate as per item no 13.50.1 of SH : Finishing	sqm	0.37	34.95	12.93(A)
0111	LABOUR For planing, fixing and making design Carpenter 1st class	day	0.53	487.00	258.11
	TOTAL				422.81
	Add 1 % Water charges on all except (A) i.e. on (422.81 - 12.93) = 409.88				4.10
	TOTAL				426.91
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (426.91 - 12.93) = 413.98				62.10
	Cost of 5 m.				489.01
	Cost of 1 metre				97.80
	Say				97.80

9.40.2.2 50x20 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for beading for a window of size 140x110cm i.e. 500cm long (5 metre) MATERIAL Hollock wood 500x50x200mm = 0.005 cum Add for wastage @ 10% = 0.0005 cum. Total = 0.0055 cum. Say 5.5 cum.				
2505	Hollock wood in planks	10 cum	0.55	390.00	214.50
2204	Carriage of Timber	cum	0.0055	118.59	0.65
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.36	63.00	22.68
13.50.1	Painting with priming coat Area = 500(5+2+2) = 0.45 sqm Rate as per item no 13.50.1 of SH : Finishing	sqm	0.45	34.95	15.73(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR For planing, fixing and making design Carpenter 1st class TOTAL Add 1 % Water charges on all except (A) i.e. on (511.67 - 15.73) = 495.94 TOTAL Add 15 % Contractor's profit and overheads on all except (A) i.e. on (516.63 - 15.73) = 500.90 Cost of 5 m. Cost of 1 metre Say	day	0.53	487.00	258.11 511.67 4.96 516.63 75.14 591.77 118.35 118.35

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	675.00	2160.00
2204	Carriage of Timber	cum	0.032	118.59	3.80
	LABOUR				
0111	Carpenter 1st class	day	0.75	487.00	365.25
0112	Carpenter 2nd class	day	1.00	448.00	448.00
0114	Beldar	day	0.50	368.00	184.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				3268.22
	Add 1 % Water charges				32.68
	TOTAL				3300.90
	Add 15 % Contractor's profit and overheads				495.14
	Cost of 2.2 sqm.				3796.04
	Cost of 1 sqm.				1725.47
	Say				1725.45

9.42 Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade I, 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. Total = 0.300sqm.+ Add wastage @5% = 0.015sqm. Total = 0.315sqm. Say 0.32 sqm.				
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	0.32	440.00	140.80
	6mm thick commercial ply wood 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	376.00	101.52
7034	Nickle plated M.S. pipe 20 mm dia.	metre	1.65	75.00	123.75
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	1.73	0.90
9999	M.S. flat 25x3mm and 10cm long over brackets	L.S.	8.06	1.73	13.94
2505	Hollock wood in planks	10 cudm	0.032	390.00	12.48
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	10.00	20.00
	LABOUR				
0112	Carpenter 2nd class	day	0.18	448.00	80.64
0114	Beldar	day	0.18	368.00	66.24
0130	Mistry	day	0.11	487.00	53.57
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				632.56
	Add 1 % Water charges				6.33
	TOTAL				638.89
	Add 15 % Contractor's profit and overheads				95.83
	Cost of 2 m				734.72
	Cost of 1 metre				367.36
	Say				367.35

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7556	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. Coir veneered board 18mm thick 6mm thick commercial ply wood	sqm	0.32	1050.00	336.00
7553	Top-1x1.7x0.15= 0.255sqm.+ Add wastage @ 5% = 0.013 sqm. Total = 0.268 sqm. Say 0.27 sqm. Coir veneered board 6mm thick	sqm	0.27	400.00	108.00
7034	Nickle plated M.S. pipe 20 mm dia.	metre	1.65	75.00	123.75
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	1.73	0.90
9999	M.S. flat 25x3mm and 10cm long over brackets	L.S.	8.06	1.73	13.94
2505	Hollock wood in planks	10 cudm	0.032	390.00	12.48
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	10.00	20.00
	LABOUR				
0112	Carpenter 2nd class	day	0.18	448.00	80.64
0114	Beldar	day	0.18	368.00	66.24
0130	Mistry	day	0.11	487.00	53.57
9999	Sundries	L.S.	2.73	1.73	4.72
	TOTAL				834.24
	Add 1 % Water charges				8.34
	TOTAL				842.58
	Add 15 % Contractor's profit and overheads				126.39
	Cost of 2 m				968.97
	Cost of 1 metre				484.48
	Say				484.50

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 ₹
0347	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. Extra for veneered particle board with : Commercial veneering on both sides	sqm	0.32	180.00	57.60
	TOTAL				57.60
	Add 1 % Water charges				0.58
	TOTAL				58.18
	Add 15 % Contractor's profit and overheads				8.73
	Cost of 2m				66.91
	Cost of 1 metre				33.45
	Say				33.45

9.44.2 Particle board with decorative veneering on both sides

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0348	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. Extra for veneered particle board with : Teak veneering on both sides TOTAL Add 1 % Water charges TOTAL Add 15 % Contractor's profit and overheads Cost of 2m Cost of 1 metre Say	sqm	0.32	500.00	160.00 160.00 1.60 161.60 24.24 185.84 92.92 92.90

9.45 Providing and fixing teak wood lipping of size 25x3 mm in pelmet.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7049	Details of cost for 10 metre MATERIAL Teak wood lipping of size 25x3 mm in pelmets LABOUR	metre	10.00	15.00	150.00
0112	Carpenter 2nd class	day	0.25	448.00	112.00
0114	Beldar	day	0.25	368.00	92.00
	TOTAL				354.00
	Add 1 % Water charges				3.54
	TOTAL				357.54
	Add 15 % Contractor's profit and overheads				53.63
	Cost for 10 meter				411.17
	Cost of 1 metre				41.11
	Say				41.10

9.46 Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :

9.46.1 12 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0590	Details of cost for 2m long MATERIAL Chromium plated Brass curtain rod 12 mm dia 1.25mm thick	metre	2.00	200.00	400.00
7023	Chromium plated brackets (curtain rods)	each	2.00	7.00	14.00
9999	C.P. brass screws	L.S.	4.03	1.73	6.97

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	CARRIAGE Wooden plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)	L.S.	1.56	1.73	2.70
9.32	Rate as per item no 9.32 of SH : Wood and PVC work	each	2.00	21.85	43.70(A)
9999	LABOUR	L.S.	2.73	1.73	4.72
9999	Sundries	L.S.	1.56	1.73	2.70
	TOTAL				474.79
	Add 1 % Water charges on all except (A) i.e. on (474.79 - 43.70) = 431.09				4.31
	TOTAL				479.10
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (479.10 - 43.70) = 435.40				65.31
	Cost of 2m				544.41
	Cost of 1 metre				272.20
	Say				272.20

9.46.2 20 mm dia

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0591	Details of cost for 2m long MATERIAL Chromium plated Brass curtain rod 20 mm dia 1.25mm thick	metre	2.00	275.00	550.00
7023	Chromium plated brackets (curtain rods)	each	2.00	7.00	14.00
9999	C.P. brass screws	L.S.	4.03	1.73	6.97
9977	CARRIAGE Wooden plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)	L.S.	1.56	1.73	2.70
9.32	Rate as per item no 9.32 of SH : Wood and PVC work	each	2.00	21.85	43.70(A)
9999	LABOUR	L.S.	2.73	1.73	4.72
9999	Sundries	L.S.	1.56	1.73	2.70
	TOTAL				624.79
	Add 1 % Water charges on all except (A) i.e. on (624.79 - 43.70) = 581.09				5.81
	TOTAL				630.60
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (630.60 - 43.70) = 586.90				88.04
	Cost of 2m				718.64
	Cost of 1 metre				359.32
	Say				359.30

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	365.00	730.00
7023	Chromium plated brackets (curtain rods)	each	2.00	7.00	14.00
9999	C.P. brass screws	L.S.	4.03	1.73	6.97
9977	CARRIAGE	L.S.	1.56	1.73	2.70
	Wooden plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)				
9.32	Rate as per item no 9.32 of SH : Wood and PVC work	each	2.00	21.85	43.70(A)
9999	LABOUR	L.S.	2.73	1.73	4.72
9999	Sundries	L.S.	1.56	1.73	2.70
	TOTAL				804.79
	Add 1 % Water charges on all except (A) i.e. on (804.79 - 43.70) = 761.09				7.61
	TOTAL				812.40
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (812.40 - 43.70) = 768.70				115.31
	Cost of 2m				927.71
	Cost of 1 metre				463.85
	Say				463.85

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	75.00	150.00
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	2.00	7.00	14.00
9999	Screws	L.S.	4.03	1.73	6.97
9999	CARRIAGE	L.S.	1.56	1.73	2.70
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	10.00	20.00
9999	Labour including fixing rawl plug	L.S.	5.20	1.73	9.00
9999	Sundries	L.S.	1.56	1.73	2.70
	TOTAL				205.37
	Add 1 % Water charges				2.05
	TOTAL				207.42
	Add 15 % Contractor's profit and overheads				31.11
	Cost for 2 meter				238.53
	Cost of 1 metre				119.26
	Say				119.25

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	80.00	160.00
7036	Nickle plated M.S. Brackets for curtain rod 25 mm	each	2.00	8.00	16.00
9999	Screws	L.S.	4.03	1.73	6.97
9999	CARRIAGE	L.S.	1.56	1.73	2.70
7048	Rawl plug 50 mm (designation 10 no.)	each	2.00	10.00	20.00
9999	Labour including fixing rawl plug	L.S.	5.20	1.73	9.00
9999	Sundries	L.S.	1.56	1.73	2.70
	TOTAL				217.37
	Add 1 % Water charges				2.17
	TOTAL				219.54
	Add 15 % Contractor's profit and overheads				32.93
	Cost for 2 metre				252.47
	Cost of 1 metre				126.23
	Say				126.25

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 a grill 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	3575.00	589.88
	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	3675.00	147.00
2205	Carriage of Steel 0.165 + 0.04 = 0.205 q = 0.0205 t Say 0.02 tonne	tonne	0.02	92.24	1.84
9999	Sundries	L.S.	26.91	1.73	46.55
9999	Welding charges	L.S.	19.76	1.73	34.18
	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	29.10	31.43(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0102	LABOUR Blacksmith 1st class	day	0.86	487.00	418.82
0114	Beldar	day	1.10	368.00	404.80
	TOTAL				1674.50
	Add 1 % Water charges on all except (A) i.e. on (1674.50 - 31.43) = 1643.07				16.43
	TOTAL				1690.93
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1690.93 - 31.43) = 1659.50				248.93
	Cost for 18.54 kg.				1939.86
	Cost for 1 kg.				104.63
	Say				104.65

9.48.2 Fixed to openings /wooden frames with rawl plugs screws etc.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1003	Details of cost for a grill 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 Mild steel round bar above 12 mm dia 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	quintal	0.165	3575.00	589.88
1008	Flats upto 10 mm in thickness	quintal	0.04	3675.00	147.00
2205	Carriage of Steel 0.165 + 0.04 = 0.205 q = 0.0205 t Say 0.02 tonne	tonne	0.02	92.24	1.84
9999	Sundries	L.S.	26.91	1.73	46.55
9999	Welding charges	L.S.	19.76	1.73	34.18
13.50.3	Priming coat: Area=1x0.9x1.2x1=1.08 sqm Rate as per Item No.13.50.3 of SH:Finishing	sqm	1.08	29.10	31.43(A)
0102	LABOUR Blacksmith 1st class	day	0.86	487.00	418.82
0114	Beldar	day	1.10	368.00	404.80
7048	Rawl plug 50 mm (designation 10 no.)	each	8.00	10.00	80.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Fixing of rawl plugs	L.S.	26.00	1.73	44.98
	TOTAL				1799.48
	Add 1 % Water charges on all except (A) i.e. on (1799.48 - 31.43) = 1768.05				17.68
	TOTAL				1817.16
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1817.16 - 31.43) = 1785.73				267.86
	Cost for 18.54 kg.				2085.02
	Cost for 1 kg.				112.46
	Say				112.45

9.49 Providing and fixing expanded metal 20x60 mm strands 3.25 mm wide and 1.6 mm thick for windows etc. including 62 x19 mm beading of II nd 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				
	Expanded 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	1.73	3.15
	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	29.10	44.81(A)
	Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cumdm.				
1190	Second class teak wood in planks	10 cumdm	0.60	675.00	405.00
2204	Carriage of Timber	cum	0.006	118.59	0.71
	LABOUR				
0112	Carpenter 2nd class	day	0.33	448.00	147.84
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				1213.26
	Add 1 % Water charges on all except (A) i.e. on (1213.26 - 44.81) = 1168.45				11.68
	TOTAL				1224.94
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1224.94 - 44.81) = 1180.13				177.02
	Cost of 1.54 sqm.				1401.96
	Cost of 1 sqm.				910.36
	Say				910.35

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	400.00	676.00
9977	Carriage of wire fabric	L.S.	1.82	1.73	3.15
	Priming coat Area=1.40x1.10x1.00=1.54sqm Rate as per Item No.13.50.3 of SH:FINISHING	sqm	1.54	29.10	44.81(A)
	Second class teak wood beading 5mx62mmx19mm = 0.0059cum. Add wastage @ 10% = 0.00059cum. Total = 0.00649cum. Say 6 cumd.				
1190	Second class teak wood in planks	10 cumd	0.60	675.00	405.00
2204	Carriage of Timber	cum	0.006	118.59	0.71
	LABOUR				
0112	Carpenter 2nd class	day	0.33	448.00	147.84
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				1403.69
	Add 1 % Water charges on all except (A) i.e. on (1403.69 - 44.81) = 1358.88				13.59
	TOTAL				1417.28
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1417.28 - 44.81) = 1372.47				205.87
	Cost of 1.54 sqm.				1623.15
	Cost of 1 sqm.				1053.99
	Say				1054.00

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 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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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	1.73	3.15
	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	675.00	405.00
2204	Carriage of Timber	cum	0.006	118.59	0.71
	LABOUR				
0112	Carpenter 2nd class	day	0.33	448.00	147.84
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				1122.28
	Add 1 % Water charges				11.22
	TOTAL				1133.50
	Add 15 % Contractor's profit and overheads				170.03
	Cost of 1.54 sqm.				1303.53
	Cost of 1 sqm.				846.44
	Say				846.45

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	1.73	3.15
7349	12 mm M.S. 'U' beading	metre	5.00	15.00	75.00
	LABOUR				
0112	Carpenter 2nd class	day	0.33	448.00	147.84
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				791.57
	Add 1 % Water charges				7.92
	TOTAL				799.49
	Add 15 % Contractor's profit and overheads				119.92
	Cost of 1.54 sqm.				919.41
	Cost of 1 sqm.				597.01
	Say				597.00

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.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm. MATERIAL				
1021	Hard drawn steel wire fabric	sqm	1.00	400.00	400.00
2406	Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).	sqm	-1.00	286.00	-286.00
	Difference of cost				114.00
	Add 1 % Water charges				1.14
	TOTAL				115.14
	Add 15 % Contractor's profit and overheads				17.27
	Extra cost for 1 sqm.				132.41
	Say				132.40

9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 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				
1008	M.S.flat 40x5mm 40cm long @ 1.68 kg/m = 0.672 kg = 0.0067 quintal	quintal	0.0067	3675.00	24.62
9977	Flats upto 10 mm in thickness Carriage of steel	L.S.	1.82	1.73	3.15
	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	5992.75	29.96(A)
9999	Bolts and nuts	L.S.	5.46	1.73	9.45
	LABOUR				
0103	Blacksmith 2nd class	day	0.03	448.00	13.44
0123	Mason (brick layer) 1st class	day	0.03	487.00	14.61
0114	Beldar	day	0.03	368.00	11.04
	TOTAL				106.27
	Add 1 % Water charges on all except (A) i.e. on (106.27 - 29.96) = 76.31				0.76
	TOTAL				107.03
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (107.03 - 29.96) = 77.07				11.56
	Cost for 1 no				118.59
	Say				118.60

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	0.2071	118.59	24.56
13.57.1	Priming coat (wood preservative) Rate as per item no 13.57.1 SH : Finishing LABOUR	sqm	0.54	32.20	17.39(A)
0112	Carpenter 2nd class	day	0.70	448.00	313.60
0114	Beldar	day	1.45	368.00	533.60
0100	Bandhani	day	0.70	407.00	284.90
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				13646.60
	Add 1 % Water charges on all except (A) i.e. on (13646.60 - 17.39) = 13629.21				136.29
	TOTAL				13782.89
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (13782.89 - 17.39) = 13765.50				2064.83
	Cost for 203 cudm.				15847.72
	Cost of 1 cum.				78067.58
	Say				78067.60

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.				
2466	Hollock wood in scantling	10 cudm	20.71	340.00	7041.40
2204	Carriage of Timber	cum	0.207	118.59	24.55
13.57.1	Priming coat (wood preservative) Rate as per item no 13.57.1 SH : Finishing LABOUR	sqm	0.54	32.20	17.39(A)
0112	Carpenter 2nd class	day	0.70	448.00	313.60
0114	Beldar	day	1.45	368.00	533.60
0100	Bandhani	day	0.70	407.00	284.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				8261.99
	Add 1 % Water charges on all except (A) i.e. on (8261.99 - 17.39) = 8244.60				82.45
	TOTAL				8344.44
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8344.44 - 17.39) = 8327.05				1249.06
	Cost for 203 cum.				9593.50
	Cost of 1 cum.				47258.62
	Say				47258.60

9.55 Providing and fixing ISI marked 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	140.00	140.00
0635	Bright finished or black enamelled mild steel screws 50 mm	100 Nos	0.80	77.00	61.60
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				302.16
	Add 1 % Water charges				3.02
	TOTAL				305.18
	Add 15 % Contractor's profit and overheads				45.78
	Cost of 10 nos.				350.96
	Cost of 1 no				35.09
	Say				35.10

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 mild steel butt hinges 100x58x1.90 mm	10 Nos	1.00	85.00	85.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				235.96
	Add 1 % Water charges				2.36
	TOTAL				238.32
	Add 15 % Contractor's profit and overheads				35.75
	Cost of 10 nos.				274.07
	Cost of 1 no				27.40
	Say				27.40

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 mild steel butt hinges 75x47x1.70 mm	10 Nos	1.00	60.00	60.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	50.00	30.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				188.99
	Add 1 % Water charges				1.89
	TOTAL				190.88
	Add 15 % Contractor's profit and overheads				28.63
	Cost of 10 nos.				219.51
	Cost of 1 no				21.95
	Say				21.95

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 mild steel butt hinges 50x37x1.50 mm	10 Nos	1.00	50.00	50.00
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	0.91	1.73	1.57
	LABOUR				
0112	Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				100.21
	Add 1 % Water charges				1.00
	TOTAL				101.21
	Add 15 % Contractor's profit and overheads				15.18
	Cost of 10 nos.				116.39
	Cost of 1 no				11.63
	Say				11.65

9.56 Providing and fixing ISI marked, IS : 1341, M.S. heavy weight 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 125x90x 4.0mm IS : 1341 marked.	10 Nos	1.00	200.00	200.00
0635	Bright finished or black enamelled mild steel screws 50 mm	100 Nos	0.80	77.00	61.60
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				362.16
	Add 1 % Water charges				3.62
	TOTAL				365.78
	Add 15 % Contractor's profit and overheads				54.87
	Cost of 10 nos.				420.65
	Cost of 1 no				42.06
	Say				42.05

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 100x75x 3.5 mm IS: 1341 marked	10 Nos	1.00	150.00	150.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				300.96
	Add 1 % Water charges				3.01
	TOTAL				303.97
	Add 15 % Contractor's profit and overheads				45.60
	Cost of 10 nos.				349.57
	Cost of 1 no				34.95
	Say				34.95

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 75x60x 3.1 mm IS: 1341 marked	10 Nos	1.00	90.00	90.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	50.00	30.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				218.99
	Add 1 % Water charges				2.19
	TOTAL				221.18
	Add 15 % Contractor's profit and overheads				33.18
	Cost of 10 nos.				254.36
	Cost of 1 no				25.43
	Say				25.45

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 50x40x 2.5 mm IS : 1341 marked	10 Nos	1.00	75.00	75.00
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	0.91	1.73	1.57
	LABOUR				
0112	Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				125.21
	Add 1 % Water charges				1.25
	TOTAL				126.46
	Add 15 % Contractor's profit and overheads				18.97
	Cost of 10 nos.				145.43
	Cost of 1 no				14.54
	Say				14.55

9.57 Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete.**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 125x 65x2.12 mm	10 Nos	1.00	140.00	140.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	77.00	61.60
9977	Carriage of materials	L.S.	3.64	1.73	6.30

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				303.74
	Add 1 % Water charges				3.04
	TOTAL				306.78
	Add 15 % Contractor's profit and overheads				46.02
	Cost of 10 nos.				352.80
	Cost of 1 no				35.28
	Say				35.30

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 100x 58x1.90 mm	10 Nos	1.00	90.00	90.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				240.96
	Add 1 % Water charges				2.41
	TOTAL				243.37
	Add 15 % Contractor's profit and overheads				36.51
	Cost of 10 nos.				279.88
	Cost of 1 no				27.98
	Say				28.00

9.57.3 75x47x1.70 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0644	Oxidised mild steel butt hinges 75x 47x1.70 mm	10 Nos	1.00	65.00	65.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	50.00	30.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				193.99
	Add 1 % Water charges				1.94
	TOTAL				195.93
	Add 15 % Contractor's profit and overheads				29.39
	Cost of 10 nos.				225.32
	Cost of 1 no				22.53
	Say				22.55

9.57.4 50x37x1.50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0645	Oxidised mild steel butt hinges 50x37x 1.50 mm	10 Nos	1.00	55.00	55.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	0.91	1.73	1.57
	LABOUR				
0112	Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				105.21
	Add 1 % Water charges				1.05
	TOTAL				106.26
	Add 15 % Contractor's profit and overheads				15.94
	Cost of 10 nos.				122.20
	Cost of 1 no				12.22
	Say				12.20

9.58 Providing and fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete :**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	340.00	340.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				509.36
	Add 1 % Water charges				5.09
	TOTAL				514.45
	Add 15 % Contractor's profit and overheads				77.17
	Cost of 10 nos.				591.62
	Cost of 1 no				59.16
	Say				59.15

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	315.00	315.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				484.36
	Add 1 % Water charges				4.84
	TOTAL				489.20
	Add 15 % Contractor's profit and overheads				73.38
	Cost of 10 nos.				562.58
	Cost of 1 no				56.25
	Say				56.25

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	235.00	235.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				404.36
	Add 1 % Water charges				4.04
	TOTAL				408.40
	Add 15 % Contractor's profit and overheads				61.26
	Cost of 10 nos.				469.66
	Cost of 1 no				46.96
	Say				46.95

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	200.00	200.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	50.00	30.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				348.96
	Add 1 % Water charges				3.49
	TOTAL				352.45
	Add 15 % Contractor's profit and overheads				52.87
	Cost of 10 nos.				405.32
	Cost of 1 no				40.53
	Say				40.55

9.59 Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete :

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	140.00	1400.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	77.00	61.60
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				1719.12
	Add 1 % Water charges				17.19
	TOTAL				1736.31
	Add 15 % Contractor's profit and overheads				260.45
	Cost of 10 nos.				1996.76
	Cost of 1 no				199.67
	Say				199.65

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	120.00	1200.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	77.00	61.60
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				1519.12
	Add 1 % Water charges				15.19
	TOTAL				1534.31
	Add 15 % Contractor's profit and overheads				230.15
	Cost of 10 nos.				1764.46
	Cost of 1 no				176.44
	Say				176.45

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	100.00	1000.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				1307.92
	Add 1 % Water charges				13.08
	TOTAL				1321.00
	Add 15 % Contractor's profit and overheads				198.15
	Cost of 10 nos.				1519.15
	Cost of 1 no				151.91
	Say				151.90

9.60 Providing and fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete.

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	160.00	1600.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	77.00	61.60
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				1919.12
	Add 1 % Water charges				19.19
	TOTAL				1938.31
	Add 15 % Contractor's profit and overheads				290.75
	Cost of 10 nos.				2229.06
	Cost of 1 no				222.90
	Say				222.90

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	140.00	1400.00
0682	Oxidised mild steel screws 50 mm	100 Nos	0.80	77.00	61.60
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				1719.12
	Add 1 % Water charges				17.19
	TOTAL				1736.31
	Add 15 % Contractor's profit and overheads				260.45
	Cost of 10 nos.				1996.76
	Cost of 1 no				199.67
	Say				199.65

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	120.00	1200.00
0683	Oxidised mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				1507.92
	Add 1 % Water charges				15.08
	TOTAL				1523.00
	Add 15 % Contractor's profit and overheads				228.45
	Cost of 10 nos.				1751.45
	Cost of 1 no				175.14
	Say				175.15

9.61 Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating 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 piano hinges 1 mm thick 35 mm wide	metre	1.00	45.00	45.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	32.00	9.60
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				153.59
	Add 1 % Water charges				1.54
	TOTAL				155.13
	Add 15 % Contractor's profit and overheads				23.27
	Cost for 1 metre				178.40
	Say				178.40

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	42.00	42.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	32.00	9.60
9977	Carriage of materials	L.S.	1.82	1.73	3.15

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				150.59
	Add 1 % Water charges				1.51
	TOTAL				152.10
	Add 15 % Contractor's profit and overheads				22.82
	Cost for 1 metre				174.92
	Say				174.90

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	55.00	55.00
0686	Oxidised mild steel screws 20 mm	100 Nos	0.30	32.00	9.60
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				163.59
	Add 1 % Water charges				1.64
	TOTAL				165.23
	Add 15 % Contractor's profit and overheads				24.78
	Cost for 1 metre				190.01
	Say				190.00

9.62 Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :

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	95.00	950.00
7040	Oxidised mild steel screws 35 mm	100 Nos	1.20	50.00	60.00
0641	Bright finished or black enamelled mild steel bolts and nuts 50x6 mm	each	40.00	5.00	200.00
9988	Carriage of materials & sundries	L.S.	6.37	1.73	11.02
	LABOUR				
0112	Carpenter 2nd class	day	0.25	448.00	112.00
	TOTAL				1333.02
	Add 1 % Water charges				13.33
	TOTAL				1346.35
	Add 15 % Contractor's profit and overheads				201.95
	Cost of 10 nos.				1548.30
	Cost of 1 no.				154.83
	Say				154.85

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	50.00	50.00
0641	Bright finished or black enamelled mild steel bolts and nuts 50x6 mm	each	40.00	5.00	200.00
9988	Carriage of materials & sundries	L.S.	6.37	1.73	11.02
	LABOUR				
0112	Carpenter 2nd class	Day	0.25	448.00	112.00
	TOTAL				1223.02
	Add 1 % Water charges				12.23
	TOTAL				1235.25
	Add 15 % Contractor's profit and overheads				185.29
	Cost of 10 nos.				1420.54
	Cost of 1 no.				142.05
	Say				142.05

9.63 Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :**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	1.73	6.30
	LABOUR				
0112	Carpenter 2nd class	day	0.10	448.00	44.80
	TOTAL				551.10
	Add 1 % Water charges				5.51
	TOTAL				556.61
	Add 15 % Contractor's profit and overheads				83.49
	Cost of 10 nos.				640.10
	Cost of 1 no.				64.01
	Say				64.00

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	35.00	350.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.80	50.00	40.00
9977	Carriage of material	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.10	448.00	44.80
	TOTAL				439.52
	Add 1 % Water charges				4.40
	TOTAL				443.92
	Add 15 % Contractor's profit and overheads				66.59
	Cost of 10 nos.				510.51
	Cost of 1 no.				51.05
	Say				51.05

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	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.10	448.00	44.80
	TOTAL				379.52
	Add 1 % Water charges				3.80
	TOTAL				383.32
	Add 15 % Contractor's profit and overheads				57.50
	Cost of 10 nos.				440.82
	Cost of 1 no.				44.08
	Say				44.10

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	20.00	200.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.60	50.00	30.00
9977	Carriage of material	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				270.56
	Add 1 % Water charges				2.71
	TOTAL				273.27
	Add 15 % Contractor's profit and overheads				40.99
	Cost of 10 nos.				314.26
	Cost of 1 no.				31.42
	Say				31.40

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.

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	55.00	550.00
9988	Carriage of materials & sundries	L.S.	6.37	1.73	11.02
	LABOUR				
0112	Carpenter 2nd class	day	0.25	448.00	112.00
	TOTAL				673.02
	Add 1 % Water charges				6.73
	TOTAL				679.75
	Add 15 % Contractor's profit and overheads				101.96
	Cost of 10 nos.				781.71
	Cost of 1 no.				78.17
	Say				78.15

9.65 Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete :

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	50.00	500.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.90	37.00	33.30
9977	Carriage of materials	L.S.	3.64	1.73	6.30
	LABOUR				
0112	Carpenter 2nd class	day	0.12	448.00	53.76
	TOTAL				593.36
	Add 1 % Water charges				5.93
	TOTAL				599.29
	Add 15 % Contractor's profit and overheads				89.89
	Cost of 10 nos.				689.18
	Cost of 1 no.				68.91
	Say				68.90

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	40.00	400.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.90	37.00	33.30
9977	Carriage of materials	L.S.	3.64	1.73	6.30

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.12	448.00	53.76
	TOTAL				493.36
	Add 1 % Water charges				4.93
	TOTAL				498.29
	Add 15 % Contractor's profit and overheads				74.74
	Cost of 10 nos.				573.03
	Cost of 1 no.				57.30
	Say				57.30

9.66 Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :

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	20.00	200.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	37.00	14.80
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.06	448.00	26.88
	TOTAL				246.40
	Add 1 % Water charges				2.46
	TOTAL				248.86
	Add 15 % Contractor's profit and overheads				37.33
	Cost of 10 nos.				286.19
	Cost of 1 no.				28.61
	Say				28.60

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	15.00	150.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	37.00	14.80
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.06	448.00	26.88
	TOTAL				194.83
	Add 1 % Water charges				1.95
	TOTAL				196.78
	Add 15 % Contractor's profit and overheads				29.52
	Cost of 10 nos.				226.30
	Cost of 1 no.				22.63
	Say				22.65

9.66.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos. MATERIAL				
0670	Oxidised mild steel handles 75 mm	each	10.00	12.00	120.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	37.00	14.80
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.06	448.00	26.88
	TOTAL				164.83
	Add 1 % Water charges				1.65
	TOTAL				166.48
	Add 15 % Contractor's profit and overheads				24.97
	Cost of 10 nos.				191.45
	Cost of 1 no.				19.14
	Say				19.15

9.67 Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete :**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	130.00	130.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.80	37.00	29.60
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				198.59
	Add 1 % Water charges				1.99
	TOTAL				200.58
	Add 15 % Contractor's profit and overheads				30.09
	Cost of 10 nos.				230.67
	Cost of 1 no.				23.06
	Say				23.05

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	110.00	110.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.70	37.00	25.90
9977	Carriage of materials	L.S.	1.82	1.73	3.15

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				174.89
	Add 1 % Water charges				1.75
	TOTAL				176.64
	Add 15 % Contractor's profit and overheads				26.50
	Cost of 10 nos.				203.14
	Cost of 1 no.				20.31
	Say				20.30

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	80.00	80.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.70	37.00	25.90
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				144.89
	Add 1 % Water charges				1.45
	TOTAL				146.34
	Add 15 % Contractor's profit and overheads				21.95
	Cost of 10 nos.				168.29
	Cost of 1 no.				16.82
	Say				16.80

9.68 Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete.

9.68.1 300 mm weighing not less than 200 gms

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 0.33 kg	each	10.00	20.00	200.00
0684	Oxidised mild steel screws 30 mm	100 Nos	0.40	50.00	20.00
9977	Carriage of materials	L.S.	0.91	1.73	1.57
	LABOUR				
0112	Carpenter 2nd class	day	0.10	448.00	44.80
	TOTAL				266.37
	Add 1 % Water charges				2.66
	TOTAL				269.03
	Add 15 % Contractor's profit and overheads				40.35
	Cost of 10 nos.				309.38
	Cost of 1 no.				30.93
	Say				30.95

9.68.2 250 mm weighing not less than 150 gms

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 0.28 kg	each	10.00	17.00	170.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	37.00	14.80
9977	Carriage of materials	L.S.	0.91	1.73	1.57
	LABOUR				
0112	Carpenter 2nd class	day	0.10	448.00	44.80
	TOTAL				231.17
	Add 1 % Water charges				2.31
	TOTAL				233.48
	Add 15 % Contractor's profit and overheads				35.02
	Cost of 10 nos.				268.50
	Cost of 1 no.				26.85
	Say				26.85

9.68.3 200 mm weighing not less than 120 gms

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 0.24 kg	each	10.00	14.00	140.00
0685	Oxidised mild steel screws 25 mm	100 Nos	0.40	37.00	14.80
9977	Carriage of materials	L.S.	0.91	1.73	1.57
	LABOUR				
0112	Carpenter 2nd class	day	0.10	448.00	44.80
	TOTAL				201.17
	Add 1 % Water charges				2.01
	TOTAL				203.18
	Add 15 % Contractor's profit and overheads				30.48
	Cost of 10 nos.				233.66
	Cost of 1 no.				23.36
	Say				23.35

9.69 Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors, (weighting not less than 450 gms)

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	37.00	22.20
9977	Carriage of materials	L.S.	0.91	1.73	1.57

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.10	448.00	44.80
	TOTAL				668.57
	Add 1 % Water charges				6.69
	TOTAL				675.26
	Add 15 % Contractor's profit and overheads				101.29
	Cost of 10 nos.				776.55
	Cost of 1 no.				77.65
	Say				77.65

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 125x64x 1.9 mm IS : 12817 marked	10 Nos	1.00	250.00	250.00
8210	Stainless steel screws 50 mm	100 Nos	0.80	260.00	208.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				558.56
	Add 1 % Water charges				5.59
	TOTAL				564.15
	Add 15 % Contractor's profit and overheads				84.62
	Cost of 10 nos.				648.77
	Cost of 1 no				64.87
	Say				64.85

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	230.00	230.00
8211	Stainless steel screws 40 mm	100 Nos	0.80	208.00	166.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				496.96
	Add 1 % Water charges				4.97
	TOTAL				501.93
	Add 15 % Contractor's profit and overheads				75.29
	Cost of 10 nos.				577.22
	Cost of 1 no				57.72
	Say				57.70

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	150.00	150.00
8212	Stainless steel screws 30 mm	100 Nos	0.60	180.00	108.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				356.99
	Add 1 % Water charges				3.57
	TOTAL				360.56
	Add 15 % Contractor's profit and overheads				54.08
	Cost of 10 nos.				414.64
	Cost of 1 no				41.46
	Say				41.45

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	130.00	130.00
8214	Stainless steel screws 20 mm	100 Nos	0.40	120.00	48.00
9977	Carriage of materials	L.S.	0.91	1.73	1.57
	LABOUR				
0112	Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				215.41
	Add 1 % Water charges				2.15
	TOTAL				217.56
	Add 15 % Contractor's profit and overheads				32.63
	Cost of 10 nos.				250.19
	Cost of 1 no				25.01
	Say				25.00

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	330.00	330.00
8210	Stainless steel screws 50 mm	100 Nos	0.80	260.00	208.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				638.56
	Add 1 % Water charges				6.39
	TOTAL				644.95
	Add 15 % Contractor's profit and overheads				96.74
	Cost of 10 nos.				741.69
	Cost of 1 no				74.16
	Say				74.15

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	240.00	240.00
8211	Stainless steel screws 40 mm	100 Nos	0.80	208.00	166.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				506.96
	Add 1 % Water charges				5.07
	TOTAL				512.03
	Add 15 % Contractor's profit and overheads				76.80
	Cost of 10 nos.				588.83
	Cost of 1 no				58.88
	Say				58.90

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	195.00	195.00
8212	Stainless steel screws 30 mm	100 Nos	0.60	180.00	108.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				401.99
	Add 1 % Water charges				4.02
	TOTAL				406.01
	Add 15 % Contractor's profit and overheads				60.90
	Cost of 10 nos.				466.91
	Cost of 1 no				46.69
	Say				46.70

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(.70)kg	10 Nos	1.00	1442.00	1442.00
0449	Brass screws 50 mm	100 Nos	1.00	220.00	220.00
9977	Carriage of material	L.S.	3.64	1.73	6.30
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.10	368.00	36.80
	TOTAL				1773.28
	Add 1 % Water charges				17.73
	TOTAL				1791.01
	Add 15 % Contractor's profit and overheads				268.65
	Cost for 10 nos.				2059.66
	Cost of 1 no.				205.96
	Say				205.95

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	850.00	850.00
0449	Brass screws 50 mm	100 Nos	1.00	220.00	220.00
9977	Carriage of material	L.S.	3.64	1.73	6.30
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.10	368.00	36.80
	TOTAL				1181.28
	Add 1 % Water charges				11.81
	TOTAL				1193.09
	Add 15 % Contractor's profit and overheads				178.96
	Cost for 10 nos.				1372.05
	Cost of 1 no.				137.20
	Say				137.20

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(.56)kg	10 Nos	1.00	1153.00	1153.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of material	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.10	368.00	36.80
	TOTAL				1398.70
	Add 1 % Water charges				13.99
	TOTAL				1412.69
	Add 15 % Contractor's profit and overheads				211.90
	Cost for 10 nos.				1624.59
	Cost of 1 no.				162.45
	Say				162.45

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	700.00	700.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of material	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.10	368.00	36.80
	TOTAL				945.70
	Add 1 % Water charges				9.46
	TOTAL				955.16
	Add 15 % Contractor's profit and overheads				143.27
	Cost for 10 nos.				1098.43
	Cost of 1 no.				109.84
	Say				109.85

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(.20)kg	10 Nos	1.00	950.00	950.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.10	368.00	36.80
	TOTAL				1143.70
	Add 1 % Water charges				11.44
	TOTAL				1155.14
	Add 15 % Contractor's profit and overheads				173.27
	Cost for 10 nos.				1328.41
	Cost of 1 no.				132.84
	Say				132.85

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	430.00	430.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.10	368.00	36.80
	TOTAL				623.70
	Add 1 % Water charges				6.24
	TOTAL				629.94
	Add 15 % Contractor's profit and overheads				94.49
	Cost for 10 nos.				724.43
	Cost of 1 no.				72.44
	Say				72.45

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	180.00	180.00
0453	Brass screws 20 mm	100 Nos	0.40	95.00	38.00
9977	Carriage of material	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.08	487.00	38.96
	TOTAL				260.11
	Add 1 % Water charges				2.60
	TOTAL				262.71
	Add 15 % Contractor's profit and overheads				39.41
	Cost for 10 nos.				302.12
	Cost of 1 no.				30.21
	Say				30.20

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	3000.00	3000.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				3260.42
	Add 1 % Water charges				32.60
	TOTAL				3293.02
	Add 15 % Contractor's profit and overheads				493.95
	Cost of 10 nos.				3786.97
	Cost of 1 no				378.69
	Say				378.70

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	2600.00	2600.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				2860.42
	Add 1 % Water charges				28.60
	TOTAL				2889.02
	Add 15 % Contractor's profit and overheads				433.35
	Cost of 10 nos.				3322.37
	Cost of 1 no				332.23
	Say				332.25

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	2400.00	2400.00
0450	Brass screws 40 mm	100 Nos	0.80	170.00	136.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				2660.42
	Add 1 % Water charges				26.60
	TOTAL				2687.02
	Add 15 % Contractor's profit and overheads				403.05
	Cost of 10 nos.				3090.07
	Cost of 1 no				309.00
	Say				309.00

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	2100.00	2100.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				2308.42
	Add 1 % Water charges				23.08
	TOTAL				2331.50
	Add 15 % Contractor's profit and overheads				349.73
	Cost of 10 nos.				2681.23
	Cost of 1 no				268.12
	Say				268.10

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	250.00	2500.00
0451	Brass screws 30 mm	100 Nos	1.00	140.00	140.00
9977	Carriage of materials	L.S.	4.55	1.73	7.87
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				2696.57
	Add 1 % Water charges				26.97
	TOTAL				2723.54
	Add 15 % Contractor's profit and overheads				408.53
	Cost of 10 nos.				3132.07
	Cost of 1 no				313.20
	Say				313.20

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	200.00	2000.00
0451	Brass screws 30 mm	100 Nos	0.80	140.00	112.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				2165.42
	Add 1 % Water charges				21.65
	TOTAL				2187.07
	Add 15 % Contractor's profit and overheads				328.06
	Cost of 10 nos.				2515.13
	Cost of 1 no				251.51
	Say				251.50

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	150.00	1500.00
0451	Brass screws 30 mm	100 Nos	0.80	140.00	112.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1665.42
	Add 1 % Water charges				16.65
	TOTAL				1682.07
	Add 15 % Contractor's profit and overheads				252.31
	Cost of 10 nos.				1934.38
	Cost of 1 no				193.43
	Say				193.45

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	100.00	1000.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1137.42
	Add 1 % Water charges				11.37
	TOTAL				1148.79
	Add 15 % Contractor's profit and overheads				172.32
	Cost of 10 nos.				1321.11
	Cost of 1 no				132.11
	Say				132.10

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	180.00	1800.00
0452	Brass screws 25 mm	100 Nos	0.90	100.00	90.00
9977	Carriage of materials	L.S.	3.64	1.73	6.30
	LABOUR				
0111	Carpenter 1st class	day	0.12	487.00	58.44
	TOTAL				1954.74
	Add 1 % Water charges				19.55
	TOTAL				1974.29
	Add 15 % Contractor's profit and overheads				296.14
	Cost of 10 nos.				2270.43
	Cost of 1 no.				227.04
	Say				227.05

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	170.00	1700.00
0452	Brass screws 25 mm	100 Nos	0.90	100.00	90.00
9977	Carriage of materials	L.S.	3.64	1.73	6.30
	LABOUR				
0111	Carpenter 1st class	day	0.12	487.00	58.44
	TOTAL				1854.74
	Add 1 % Water charges				18.55
	TOTAL				1873.29
	Add 15 % Contractor's profit and overheads				280.99
	Cost of 10 nos.				2154.28
	Cost of 1 no.				215.42
	Say				215.40

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	390.00	390.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries (screws, carriage etc.)	L.S.	3.64	1.73	6.30
	TOTAL				479.09
	Add 1 % Water charges				4.79
	TOTAL				483.88
	Add 15 % Contractor's profit and overheads				72.58
	Cost of 1 no				556.46
	Say				556.45

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	300.00	300.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries (screws, carriage etc.)	L.S.	3.64	1.73	6.30
	TOTAL				389.09
	Add 1 % Water charges				3.89
	TOTAL				392.98
	Add 15 % Contractor's profit and overheads				58.95
	Cost of 1 no				451.93
	Say				451.95

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	595.00	595.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries (screws, carriage etc.)	L.S.	3.64	1.73	6.30
	TOTAL				684.09
	Add 1 % Water charges				6.84
	TOTAL				690.93
	Add 15 % Contractor's profit and overheads				103.64
	Cost of 1 no				794.57
	Say				794.55

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 ₹
2451	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 40 mm size	each	1.00	52.00	52.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries & screws	L.S.	3.64	1.73	6.30
	TOTAL				141.09
	Add 1 % Water charges				1.41
	TOTAL				142.50
	Add 15 % Contractor's profit and overheads				21.38
	Cost of 1 no				163.88
	Say				163.90

9.79.2 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2452	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 50 mm size	each	1.00	80.00	80.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries & screws	L.S.	3.64	1.73	6.30
	TOTAL				169.09
	Add 1 % Water charges				1.69
	TOTAL				170.78
	Add 15 % Contractor's profit and overheads				25.62
	Cost of 1 no				196.40
	Say				196.40

9.79.3 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2453	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 65 mm size	each	1.00	85.00	85.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries & screws	L.S.	3.64	1.73	6.30
	TOTAL				174.09
	Add 1 % Water charges				1.74
	TOTAL				175.83
	Add 15 % Contractor's profit and overheads				26.37
	Cost of 1 no				202.20
	Say				202.20

9.79.4 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2454	Details of cost for one No MATERIAL Brass cupboard lock 6 levers (best make of approved quality) 75 mm size	each	1.00	100.00	100.00
0111	LABOUR Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries & screws	L.S.	3.64	1.73	6.30
	TOTAL				189.09
	Add 1 % Water charges				1.89
	TOTAL				190.98
	Add 15 % Contractor's profit and overheads				28.65
	Cost of 1 no				219.63
	Say				219.65

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 ₹
0447	Details of cost for 10 nos. MATERIAL Brass cupboard knob or ward robe knob 50 mm	each	10.00	35.00	350.00
9977	Carriage of material	L.S.	2.73	1.73	4.72
0111	LABOUR Carpenter 1st class	day	0.14	487.00	68.18
	TOTAL				422.90
	Add 1 % Water charges				4.23
	TOTAL				427.13
	Add 15 % Contractor's profit and overheads				64.07
	Cost of 10 nos				491.20
	Cost of 1 no				49.12
	Say				49.10

9.81 Providing and fixing bright finished brass handles with screws etc. complete:**9.81.1 125 mm**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0408	Details of cost for 10 nos. MATERIAL Brass handles 125 mm with plate 175x32 mm	each	10.00	140.00	1400.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				1473.94
	Add 1 % Water charges				14.74
	TOTAL				1488.68
	Add 15 % Contractor's profit and overheads				223.30
	Cost of 10 nos				1711.98
	Cost of 1 no				171.19
	Say				171.20

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	130.00	1300.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				1370.79
	Add 1 % Water charges				13.71
	TOTAL				1384.50
	Add 15 % Contractor's profit and overheads				207.68
	Cost of 10 nos				1592.18
	Cost of 1 no				159.21
	Say				159.20

9.81.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				
0410	Brass handles 75 mm with plate 125x32 mm	each	10.00	100.00	1000.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				1070.79
	Add 1 % Water charges				10.71
	TOTAL				1081.50
	Add 15 % Contractor's profit and overheads				162.23
	Cost of 10 nos				1243.73
	Cost of 1 no				124.37
	Say				124.35

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	70.00	700.00
0452	Brass screws 25 mm	100 Nos	0.20	100.00	20.00
9977	Carriage of material	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.03	487.00	14.61
	TOTAL				739.33
	Add 1 % Water charges				7.39
	TOTAL				746.72
	Add 15 % Contractor's profit and overheads				112.01
	Cost of 10 nos				858.73
	Cost of 1 no				85.87
	Say				85.85

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	303.00	3030.00
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	3.64	1.73	6.30
	LABOUR				
0112	Carpenter 2nd class	day	1.00	448.00	448.00
	TOTAL				3568.30
	Add 1 % Water charges				35.68
	TOTAL				3603.98
	Add 15 % Contractor's profit and overheads				540.60
	Cost of 10 nos				4144.58
	Cost of 1 no				414.45
	Say				414.45

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	281.00	2810.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0451	Brass screws 30 mm	100 Nos	0.60	140.00	84.00
9977	Carriage of material	L.S.	1.04	1.73	1.80
	LABOUR				
0112	Carpenter 2nd class	day	1.00	448.00	448.00
	TOTAL				3343.80
	Add 1 % Water charges				33.44
	TOTAL				3377.24
	Add 15 % Contractor's profit and overheads				506.59
	Cost of 10 nos				3883.83
	Cost of 1 no				388.38
	Say				388.40

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	50.00	500.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				590.27
	Add 1 % Water charges				5.90
	TOTAL				596.17
	Add 15 % Contractor's profit and overheads				89.43
	Cost of 10 nos				685.60
	Cost of 1 no				68.56
	Say				68.55

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	135.00	1350.00
0451	Brass screws 30 mm	100 Nos	0.40	140.00	56.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1456.27
	Add 1 % Water charges				14.56
	TOTAL				1470.83
	Add 15 % Contractor's profit and overheads				220.62
	Cost of 10 nos				1691.45
	Cost of 1 no				169.14
	Say				169.15

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	100.00	40.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1190.27
	Add 1 % Water charges				11.90
	TOTAL				1202.17
	Add 15 % Contractor's profit and overheads				180.33
	Cost of 10 nos				1382.50
	Cost of 1 no				138.25
	Say				138.25

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 mm weighing not less than 0.24 kg	each	10.00	100.00	1000.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1090.27
	Add 1 % Water charges				10.90
	TOTAL				1101.17
	Add 15 % Contractor's profit and overheads				165.18
	Cost of 10 nos				1266.35
	Cost of 1 no				126.63
	Say				126.65

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	780.00	780.00
0452	Brass screws 25 mm	100 Nos	0.80	100.00	80.00
9977	Carriage of material	L.S.	1.82	1.73	3.15

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	0.08	487.00	38.96
	TOTAL				902.11
	Add 1 % Water charges				9.02
	TOTAL				911.13
	Add 15 % Contractor's profit and overheads				136.67
	Cost of 10 nos				1047.80
	Cost of 1 no				104.78
	Say				104.80

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	650.00	650.00
0453	Brass screws 20 mm	100 Nos	0.70	95.00	66.50
9977	Carriage of material	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.08	487.00	38.96
	TOTAL				758.61
	Add 1 % Water charges				7.59
	TOTAL				766.20
	Add 15 % Contractor's profit and overheads				114.93
	Cost of 10 nos				881.13
	Cost of 1 no				88.11
	Say				88.10

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	560.00	560.00
0453	Brass screws 20 mm	100 Nos	0.70	95.00	66.50
9977	Carriage of material	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.08	487.00	38.96
	TOTAL				668.61
	Add 1 % Water charges				6.69
	TOTAL				675.30
	Add 15 % Contractor's profit and overheads				101.30
	Cost of 10 nos				776.60
	Cost of 1 no				77.66
	Say				77.65

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 ₹
0558	Details of cost for one No MATERIAL Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	1.00	495.00	495.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries (screws, carriage etc.)	L.S.	3.64	1.73	6.30
	TOTAL				584.09
	Add 1 % Water charges				5.84
	TOTAL				589.93
	Add 15 % Contractor's profit and overheads				88.49
	Cost of 1 no				678.42
	Say				678.40

9.89 Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0583	Details of cost for one No MATERIAL Chromium plated Brass Night latch	each	1.00	540.00	540.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries (screws, carriage etc.)	L.S.	3.64	1.73	6.30
	TOTAL				629.09
	Add 1 % Water charges				6.29
	TOTAL				635.38
	Add 15 % Contractor's profit and overheads				95.31
	Cost of 1 no				730.69
	Say				730.70

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 ₹
2468	Details of cost for one No MATERIAL Nickled Chromium Brass cupboard lock 40 mm size	each	1.00	56.00	56.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries & screws	L.S.	3.64	1.73	6.30
	TOTAL				145.09
	Add 1 % Water charges				1.45
	TOTAL				146.54
	Add 15 % Contractor's profit and overheads				21.98
	Cost of 1 no				168.52
	Say				168.50

9.90.2 Size 50 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2469	Details of cost for one No MATERIAL Nickled Chromium Brass cupboard lock 50 mm size	each	1.00	66.00	66.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries & screws	L.S.	3.64	1.73	6.30
	TOTAL				155.09
	Add 1 % Water charges				1.55
	TOTAL				156.64
	Add 15 % Contractor's profit and overheads				23.50
	Cost of 1 no				180.14
	Say				180.15

9.90.3 Size 65 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2470	Details of cost for one No MATERIAL Nickled Chromium Brass cupboard lock 65 mm size	each	1.00	90.00	90.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries & screws	L.S.	3.64	1.73	6.30
	TOTAL				179.09
	Add 1 % Water charges				1.79
	TOTAL				180.88
	Add 15 % Contractor's profit and overheads				27.13
	Cost of 1 no				208.01
	Say				208.00

9.90.4 Size 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2471	Details of cost for one MATERIAL Nickled Chromium Brass cupboard lock 75 mm size	each	1.00	115.00	115.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	0.17	487.00	82.79
9999	Sundries & screws	L.S.	3.64	1.73	6.30
	TOTAL				204.09
	Add 1 % Water charges				2.04
	TOTAL				206.13
	Add 15 % Contractor's profit and overheads				30.92
	Cost of 1 no				237.05
	Say				237.05

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	85.00	850.00
9977	Carriage of material	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
	TOTAL				922.90
	Add 1 % Water charges				9.23
	TOTAL				932.13
	Add 15 % Contractor's profit and overheads				139.82
	Cost of 10 nos				1071.95
	Cost of 1 no				107.19
	Say				107.20

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	175.00	1750.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				1823.94
	Add 1 % Water charges				18.24
	TOTAL				1842.18
	Add 15 % Contractor's profit and overheads				276.33
	Cost of 10 nos				2118.51
	Cost of 1 no				211.85
	Say				211.85

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	150.00	1500.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				1570.79
	Add 1 % Water charges				15.71
	TOTAL				1586.50
	Add 15 % Contractor's profit and overheads				237.98
	Cost of 10 nos				1824.48
	Cost of 1 no				182.44
	Say				182.45

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	130.00	1300.00
0452	Brass screws 25 mm	100 Nos	0.40	100.00	40.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				1370.79
	Add 1 % Water charges				13.71
	TOTAL				1384.50
	Add 15 % Contractor's profit and overheads				207.68
	Cost of 10 nos				1592.18
	Cost of 1 no				159.21
	Say				159.20

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	95.00	950.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of material	L.S.	0.91	1.73	1.57

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1076.27
	Add 1 % Water charges				10.76
	TOTAL				1087.03
	Add 15 % Contractor's profit and overheads				163.05
	Cost of 10 nos				1250.08
	Cost of 1 no				125.00
	Say				125.00

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.				
0569	MATERIAL Chromium plated Brass casement stays (straight peg type) 300 mmweighing not less than 0.33 kg	each	10.00	150.00	1500.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1626.27
	Add 1 % Water charges				16.26
	TOTAL				1642.53
	Add 15 % Contractor's profit and overheads				246.38
	Cost of 10 nos				1888.91
	Cost of 1 no				188.89
	Say				188.90

9.94.2 250 mm weighing not less than 280 gms

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
0570	MATERIAL Chromium plated Brass casement stays (straight peg type) 250 mmweighing not less than 0.28 kg	each	10.00	130.00	1300.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1426.27
	Add 1 % Water charges				14.26
	TOTAL				1440.53
	Add 15 % Contractor's profit and overheads				216.08
	Cost of 10 nos				1656.61
	Cost of 1 no				165.66
	Say				165.65

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	115.00	1150.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of material	L.S.	0.91	1.73	1.57
	LABOUR				
0111	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				1276.27
	Add 1 % Water charges				12.76
	TOTAL				1289.03
	Add 15 % Contractor's profit and overheads				193.35
	Cost of 10 nos				1482.38
	Cost of 1 no				148.23
	Say				148.25

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	570.00	570.00
0585	Chromium plated Brass screws 50 mm	100 Nos	1.00	340.00	340.00
9977	Carriage of materials	L.S.	3.64	1.73	6.30
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				1017.60
	Add 1 % Water charges				10.18
	TOTAL				1027.78
	Add 15 % Contractor's profit and overheads				154.17
	Cost of 10 nos.				1181.95
	Cost of 1 no.				118.19
	Say				118.20

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	400.00	400.00
0585	Chromium plated Brass screws 50 mm	100 Nos	1.00	340.00	340.00
9977	Carriage of materials	L.S.	3.64	1.73	6.30
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				847.60
	Add 1 % Water charges				8.48
	TOTAL				856.08
	Add 15 % Contractor's profit and overheads				128.41
	Cost of 10 nos.				984.49
	Cost of 1 no.				98.44
	Say				98.45

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	400.00	400.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	310.00	248.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				754.02
	Add 1 % Water charges				7.54
	TOTAL				761.56
	Add 15 % Contractor's profit and overheads				114.23
	Cost of 10 nos.				875.79
	Cost of 1 no.				87.57
	Say				87.55

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	330.00	330.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	310.00	248.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				684.02
	Add 1 % Water charges				6.84
	TOTAL				690.86
	Add 15 % Contractor's profit and overheads				103.63
	Cost of 10 nos.				794.49
	Cost of 1 no.				79.44
	Say				79.45

9.95.5 100x63x3.2 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 nos.				
	MATERIAL				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	1.00	275.00	275.00
0586	Chromium plated Brass screws 40 mm	100 Nos	0.80	310.00	248.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				629.02
	Add 1 % Water charges				6.29
	TOTAL				635.31
	Add 15 % Contractor's profit and overheads				95.30
	Cost of 10 nos.				730.61
	Cost of 1 no.				73.06
	Say				73.05

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	280.00	280.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	250.00	150.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				534.45
	Add 1 % Water charges				5.34
	TOTAL				539.79
	Add 15 % Contractor's profit and overheads				80.97
	Cost of 10 nos.				620.76
	Cost of 1 no.				62.07
	Say				62.05

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	230.00	230.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	250.00	150.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				484.45
	Add 1 % Water charges				4.84
	TOTAL				489.29
	Add 15 % Contractor's profit and overheads				73.39
	Cost of 10 nos.				562.68
	Cost of 1 no.				56.26
	Say				56.25

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	200.00	200.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	250.00	150.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.14	487.00	68.18
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				454.45
	Add 1 % Water charges				4.54
	TOTAL				458.99
	Add 15 % Contractor's profit and overheads				68.85
	Cost of 10 nos.				527.84
	Cost of 1 no.				52.78
	Say				52.80

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	150.00	1500.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of materials	L.S.	5.46	1.73	9.45
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
	TOTAL				1828.95
	Add 1 % Water charges				18.29
	TOTAL				1847.24
	Add 15 % Contractor's profit and overheads				277.09
	Cost of 10 nos				2124.33
	Cost of 1 no				212.43
	Say				212.45

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	190.00	76.00
9977	Carriage of materials	L.S.	5.46	1.73	9.45

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	0.50	487.00	243.50
	TOTAL				1628.95
	Add 1 % Water charges				16.29
	TOTAL				1645.24
	Add 15 % Contractor's profit and overheads				246.79
	Cost of 10 nos				1892.03
	Cost of 1 no				189.20
	Say				189.20

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	590.00	590.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	250.00	200.00
9977	Carriage of materials	L.S.	4.42	1.73	7.65
	LABOUR				
0111	Carpenter 1st class	day	0.125	487.00	60.88
	TOTAL				858.53
	Add 1 % Water charges				8.59
	TOTAL				867.12
	Add 15 % Contractor's profit and overheads				130.07
	Cost of 10 nos				997.19
	Cost of 1 no				99.71
	Say				99.70

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	490.00	490.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	250.00	200.00
9977	Carriage of materials	L.S.	4.42	1.73	7.65
	LABOUR				
0111	Carpenter 1st class	day	0.125	487.00	60.88
	TOTAL				758.53
	Add 1 % Water charges				7.59
	TOTAL				766.12
	Add 15 % Contractor's profit and overheads				114.92
	Cost of 10 nos				881.04
	Cost of 1 no				88.10
	Say				88.10

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	390.00	390.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	250.00	200.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.125	487.00	60.88
	TOTAL				655.60
	Add 1 % Water charges				6.56
	TOTAL				662.16
	Add 15 % Contractor's profit and overheads				99.32
	Cost of 10 nos				761.48
	Cost of 1 no				76.14
	Say				76.15

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	310.00	310.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.80	250.00	200.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.08	487.00	38.96
	TOTAL				553.68
	Add 1 % Water charges				5.54
	TOTAL				559.22
	Add 15 % Contractor's profit and overheads				83.88
	Cost of 10 nos				643.10
	Cost of 1 no				64.31
	Say				64.30

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	230.00	230.00
0587	Chromium plated Brass screws 30 mm	100 Nos	0.60	250.00	150.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.08	487.00	38.96
	TOTAL				423.68
	Add 1 % Water charges				4.24
	TOTAL				427.92
	Add 15 % Contractor's profit and overheads				64.19
	Cost of 10 nos				492.11
	Cost of 1 no				49.21
	Say				49.20

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	45.00	450.00
9977	Carriage of materials	L.S.	6.37	1.73	11.02
	LABOUR				
0112	Carpenter 2nd class	day	0.25	448.00	112.00
	TOTAL				573.02
	Add 1 % Water charges				5.73
	TOTAL				578.75
	Add 15 % Contractor's profit and overheads				86.81
	Cost of 10 nos				665.56
	Cost of 1 no				66.55
	Say				66.55

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	145.00	1450.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of materials	L.S.	5.46	1.73	9.45
	LABOUR				
0111	Carpenter 1st class	day	0.07	487.00	34.09
0114	Beldar	day	0.05	368.00	18.40
	TOTAL				1587.94
	Add 1 % Water charges				15.88
	TOTAL				1603.82
	Add 15 % Contractor's profit and overheads				240.57
	Cost of 10 nos				1844.39
	Cost of 1 no				184.43
	Say				184.45

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	330.00	330.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				439.94
	Add 1 % Water charges				4.40
	TOTAL				444.34
	Add 15 % Contractor's profit and overheads				66.65
	Cost of 10 nos				510.99
	Cost of 1 no				51.09
	Say				51.10

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	280.00	280.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				388.37
	Add 1 % Water charges				3.88
	TOTAL				392.25
	Add 15 % Contractor's profit and overheads				58.84
	Cost of 10 nos				451.09
	Cost of 1 no				45.10
	Say				45.10

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	235.00	235.00
0589	Chromium plated Brass screws 20 mm	100 Nos	0.40	170.00	68.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				335.37
	Add 1 % Water charges				3.35
	TOTAL				338.72
	Add 15 % Contractor's profit and overheads				50.81
	Cost of 10 nos				389.53
	Cost of 1 no				38.95
	Say				38.95

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	18.00	180.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.20	190.00	38.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.03	487.00	14.61
	TOTAL				237.33
	Add 1 % Water charges				2.37
	TOTAL				239.70
	Add 15 % Contractor's profit and overheads				35.96
	Cost of 10 nos				275.66
	Cost of 1 no				27.56
	Say				27.55

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	27.00	270.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.20	190.00	38.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.03	487.00	14.61
	TOTAL				327.33
	Add 1 % Water charges				3.27
	TOTAL				330.60
	Add 15 % Contractor's profit and overheads				49.59
	Cost of 10 nos				380.19
	Cost of 1 no				38.01
	Say				38.00

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	30.00	300.00
0588	Chromium plated Brass screws 25 mm	100 Nos	0.40	190.00	76.00
9977	Carriage of materials	L.S.	0.91	1.73	1.57

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR				
	Carpenter 1st class	day	0.10	487.00	48.70
	TOTAL				426.27
	Add 1 % Water charges				4.26
	TOTAL				430.53
	Add 15 % Contractor's profit and overheads				64.58
	Cost of 10 nos				495.11
	Cost of 1 no				49.51
	Say				49.50

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 with 6 levers without pair of handles	each	1.00	220.00	220.00
7003	Pair of Anodised Aluminium lever handles for 100mm mortice latch and lock	each	1.00	225.00	225.00
	LABOUR				
0111	Carpenter 1st class	day	0.17	487.00	82.79
9988	Sundries including carriage of materials	L.S.	4.55	1.73	7.87
	TOTAL				535.66
	Add 1 % Water charges				5.36
	TOTAL				541.02
	Add 15 % Contractor's profit and overheads				81.15
	Cost of 1 lock				622.17
	Say				622.15

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	52.00	104.00
9999	LABOUR	L.S.	2.73	1.73	4.72
9999	Sundries	L.S.	1.43	1.73	2.47
	TOTAL				111.19
	Add 1 % Water charges				1.11
	TOTAL				112.30
	Add 15 % Contractor's profit and overheads				16.85
	Cost of 2 metre				129.15
	Cost of 1 metre				64.57
	Say				64.55

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 board conforming to IS: 2095: part I

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 6.00x3.65m = 21.9 sqm (Partition Panel) MATERIAL				
7366	Glass reinforced Gyp sum (GRG) board 8.5 mm thick 2x6.00x3.65=43.80sqm	sqm	43.80	250.00	10950.00
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	60.00	720.00
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	75.00	3011.25
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	60.00	235.20
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	12.00	264.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	10.00	180.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	4.00	77.08

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	70.00	337.40
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	105.00	61.32
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	73.00	575.24
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	30.00	13.20
9977	Sundries carriage	L.S.	52.00	1.73	89.96
9999	Sundries scaffolding	L.S.	130.00	1.73	224.90
	Labour for 21.90 sqm.				
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	487.00	3199.59
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	448.00	1275.46
0131	Painter 0.05x21.90=1.095	day	1.095	448.00	490.56
0114	Beldar 0.35x21.90=7.665	day	7.665	368.00	2820.72
	TOTAL				24693.08
	Add 1 % Water charges				246.93
	TOTAL				24940.01
	Add 15 % Contractor's profit and overheads				3741.00
	Cost for 21.90 sqm				28681.01
	Cost for 1 sqm.				1309.63
	Say				1309.65

9.105.2 75mm overall thickness partition with 12.5 mm thick double skin tapered edged plain Gypsum board conforming to IS: 2095: part I

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 6.00x3.65m = 21.9 sqm (Partition Panel) MATERIAL				
8717	12.5 mm thick Glass fibre reinforced Gypsum board . 2x6.00x3.65=43.80sqm	sqm	43.80	195.00	8541.00
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	60.00	720.00
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	75.00	3011.25
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	60.00	235.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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	12.00	264.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	10.00	180.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	4.00	77.08
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	70.00	337.40
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	105.00	61.32
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	73.00	575.24
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	30.00	13.20
9977	Sundries carriage	L.S.	52.00	1.73	89.96
9999	Sundries scaffolding	L.S.	130.00	1.73	224.90
	Labour for 21.90 sqm.				
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	487.00	3199.59
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	448.00	1275.46
0131	Painter 0.05x21.90=1.095	day	1.095	448.00	490.56
0114	Beldar 0.35x21.90=7.665	day	7.665	368.00	2820.72
	TOTAL				22284.08
	Add 1 % Water charges				222.84
	TOTAL				22506.92
	Add 15 % Contractor's profit and overheads				3376.04
	Cost for 21.90 sqm				25882.96
	Cost for 1 sqm.				1181.87
	Say				1181.85

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 . 2x6.00x3.65=43.80sqm	sqm	43.80	250.00	10950.00
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	60.00	720.00
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm	metre	40.15	75.00	3011.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7020	48mm stud-72x34x36x0.5mm (6.00/0.61)+1 = 11x3.65 = 40.15m 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	60.00	235.20
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	12.00	264.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	10.00	180.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	4.00	77.08
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	70.00	337.40
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	105.00	61.32
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	73.00	575.24
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	30.00	13.20
9977	Sundries carriage	L.S.	52.00	1.73	89.96
9999	Sundries scaffolding Labour for 21.90 sqm.	L.S.	130.00	1.73	224.90
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	487.00	3199.59
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	448.00	1275.46
0131	Painter 0.05x21.90=1.095	day	1.095	448.00	490.56
0114	Beldar 0.35x21.90=7.665	day	7.665	368.00	2820.72
	TOTAL				24693.08
	Add 1 % Water charges				246.93
	TOTAL				24940.01
	Add 15 % Contractor's profit and overheads				3741.00
	Cost for 21.90 sqm				28681.01
	Cost for 1 sqm.				1309.63
	Say				1309.65

9.105.4 66mm overall thickness partition using 8mm thick double skin multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) as per IS : 14862 with suitable fibre cement screws

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0237	Details of cost for 6.00x3.65 = 21.9 sqm (Partition Panel) MATERIAL Multi purpose fibre (high impact poly propylene reinforced) cement board 8mm thick. 2x6.00x3.65=43.80sqm	sqm	43.80	215.00	9417.00

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	60.00	720.00
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	75.00	3011.25
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	60.00	235.20
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	12.00	264.00
7048	Rawl plug 50 mm (designation 10 no.) [(3.65/0.45)+1]x2= 18	each	18.00	10.00	180.00
0869	Plaster of Paris (88/100)x21.9 = 19.27	kilogram	19.27	4.00	77.08
0763	Glue (22/100)x21.90=4.82	kilogram	4.82	70.00	337.40
7018	Joint tape roll (120m roll) (300/100)x21.90/120 = 0.584 Nos	roll	0.584	105.00	61.32
7021	Primer (for gypsum board) (36/100)x21.90 = 7.88 litre	litre	7.88	73.00	575.24
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	30.00	13.20
9977	Sundries carriage	L.S.	52.00	1.73	89.96
9999	Sundries scaffolding Labour for 21.90 sqm.	L.S.	130.00	1.73	224.90
0111	Carpenter 1st class 0.3x21.90=6.57	day	6.57	487.00	3199.59
0112	Carpenter 2nd class 0.13x21.90=2.847	day	2.847	448.00	1275.46
0131	Painter 0.05x21.90=1.095	day	1.095	448.00	490.56
0114	Beldar 0.35x21.90=7.665	day	7.665	368.00	2820.72
	TOTAL				23160.08
	Add 1 % Water charges				231.60
	TOTAL				23391.68
	Add 15 % Contractor's profit and overheads				3508.75
	Cost for 21.90 sqm				26900.43
	Cost for 1 sqm.				1228.33
	Say				1228.35

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	210.00	9198.00
7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm	metre	12.00	60.00	720.00
	2x6.00 =12m				
7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm	metre	40.15	75.00	3011.30
	(6.00/0.61)+1 = 11x3.65 = 40.15m				
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	60.00	235.20
7388	Dash hold fastener 12.5 mm dia, 50 mm long with 6 mm dia bolt	each	22.00	12.00	264.00
	[(6.00/0.61)+1]x2=22				
7048	Rawl plug 50 mm (designation 10 nos)	each	18.00	10.00	180.00
	[(3.65/0.45)+1]x2= 18				
0869	Plaster of Paris	kg	19.27	4.00	77.08
	(88/100)x21.9 = 19.27				
0763	Glue	kg	4.82	70.00	337.40
	(22/100)x21.90=4.82				
7018	Joint tape roll	roll	0.584	105.00	61.32
	(120m roll) (300/100)x21.90/120 = 0.584 No				
7021	Primer (for gypsum board)	litre	7.88	73.00	575.24
	(36/100)x21.90 = 7.88 litre				
1022	Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots	10 Nos	4.40	38.00	167.20
	11x2x2=44 nos=4.40 tens				
1211	G.I. plain washer for seam bolts	100 Nos	0.44	30.00	13.20
	=0.44 hundreds				
9999	Sundries carriage	L.S	52.00	1.73	89.96
9999	Sundries scaffolding	L.S	130.00	1.73	224.90
	Labour for 21.90 sqm.				
0111	Carpenter 1 st class	day	6.57	487.00	3199.59
	0.3x21.90				
0112	Carpenter 1 st class	day	2.847	487.00	1386.49
	0.13x21.90				
0131	Painter	day	1.095	448.00	490.56
	0.05x21.90				
0114	Beldar	day	7.665	368.00	2820.72
	0.35x21.90				
	TOTAL				23052.16
	Add Water Charges @ 1%				230.52
	TOTAL				23282.68
	Add CPOH @ 15%				3492.40
	Cost of 21.90 sqm				26775.08
	Cost of 1 metre				1222.61
	Say				1222.60

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	25.00	250.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.40	37.00	14.80
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.06	448.00	26.88
	TOTAL				296.40
	Add 1 % Water charges				2.96
	TOTAL				299.36
	Add 15 % Contractor's profit and overheads				44.90
	Cost of 10 Nos				344.26
	Cost of 1 No				34.42
	Say				34.40

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	25.00	250.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.40	37.00	14.80
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.06	448.00	26.88
	TOTAL				296.40
	Add 1 % Water charges				2.96
	TOTAL				299.36
	Add 15 % Contractor's profit and overheads				44.90
	Cost of 10 Nos				344.26
	Cost of 1 No				34.42
	Say				34.40

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	35.00	350.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	50.00	30.00
9977	Carriage of materials	L.S.	1.82	1.73	3.15

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				478.99
	Add 1 % Water charges				4.79
	TOTAL				483.78
	Add 15 % Contractor's profit and overheads				72.57
	Cost of 10 Nos				556.35
	Cost of 1 No				55.63
	Say				55.65

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	45.00	450.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.80	63.00	50.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.09	368.00	33.12
	TOTAL				600.96
	Add 1 % Water charges				6.01
	TOTAL				606.97
	Add 15 % Contractor's profit and overheads				91.05
	Cost of 10 Nos				698.02
	Cost of 1 No				69.80
	Say				69.80

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	50.00	500.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.60	50.00	30.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.08	448.00	35.84
	TOTAL				570.56
	Add 1 % Water charges				5.71
	TOTAL				576.27
	Add 15 % Contractor's profit and overheads				86.44
	Cost of 10 Nos				662.71
	Cost of 1 No				66.27
	Say				66.25

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	70.00	700.00
0638	Bright finished or black enamelled mild steel screws 30 mm	100 Nos	0.80	50.00	40.00
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.10	448.00	44.80
	TOTAL				789.52
	Add 1 % Water charges				7.90
	TOTAL				797.42
	Add 15 % Contractor's profit and overheads				119.61
	Cost of 10 Nos				917.03
	Cost of 1 No				91.70
	Say				91.70

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	25.00	250.00
0639	Bright finished or black enamelled mild steel screws 25 mm	100 Nos	0.20	37.00	7.40
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	0.03	487.00	14.61
	TOTAL				276.73
	Add 1 % Water charges				2.77
	TOTAL				279.50
	Add 15 % Contractor's profit and overheads				41.93
	Cost of 10 Nos				321.43
	Cost of 1 No				32.14
	Say				32.15

9.110 Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25 mm 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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Rate of Bamboo 25 mm dia 2.5 metre long for one score i.e. 20nos is Rs. 192 for 48.30m qty $48.30 / (2.5 * 20) = 0.966$				
0305	Bamboo 25 mm dia 2.5 metre long	score	0.966	400.00	386.40
9977	Carriage of Bamboo	L.S.	4.83	1.73	8.36
2466	Hollock wood in scantling 3 nos. $(1.00 \times 0.05 \times 0.05) = 0.00375$ cm Add wastage @ 5% = 0.00019 cm Total = 0.00394 cm or 3.94 cudm	10 cudm	0.394	340.00	133.96
2204	Carriage of Timber	cum	0.00394	118.59	0.47
9999	Nails and wire LABOUR	L.S.	20.25	1.73	35.03
0112	Carpenter 2nd class	day	0.25	448.00	112.00
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	10.05	1.73	17.39
	TOTAL				785.61
	Add 1 % Water charges				7.86
	TOTAL				793.47
	Add 15 % Contractor's profit and overheads				119.02
	Cost for 2.10 sqm				912.49
	Cost for 1 sqm				434.51
	Say				434.50

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 plan ks $500 \times 5 \times 5 \text{ mm} / 2 = 0.000625$ 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	675.00	464.40
2204	Carriage of Timber	cum	0.00688	118.59	0.82
0637	Bright finished or black enamelled mild steel screws 40 mm Priming coat	100 Nos	0.06	63.00	3.78
13.50.1	Area $5.0 \times (.05 + .05) = 0.50$ sqm Rate as per item no 13.50.1 of SH : Finishing LABOUR For plaining, fixing & making design	sqm	0.50	34.95	17.48(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	Carpenter 1st class	day	0.75	487.00	365.25
	TOTAL				851.73
	Add 1 % Water charges on all except (A) .e. on (851.73 - 17.48) = 834.25				8.34
	TOTAL				860.07
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (860.07 - 17.48) = 842.59				126.39
	Cost for 5 metre				986.46
	Cost for 1 metre				197.29
	Say				197.30

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 ₹
8719	Details of cost for 10.00 m MATERIAL 2nd class teak wood lipping/ moulded beadibg or Taj beading of size 18X5mm	metre	10.00	35.00	350.00
0112	LABOUR Carpenter 2nd class	day	0.25	448.00	112.00
0114	Beldar	day	0.25	368.00	92.00
	TOTAL				554.00
	Add 1 % Water charges				5.54
	TOTAL				559.54
	Add 15 % Contractor's profit and overheads				83.93
	Cost for 10 metre				643.47
	Cost for 1 metre				64.34
	Say				64.35

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 ₹
8716	Details of cost for 1 no. 100 mm mostice lock with 6 levers for aluminium door.	each	1.00	340.00	340.00
0111	LABOUR Carpenter 1st class	day	0.13	487.00	63.31
9999	Sundries(screws, carriage etc)	L.S.	2.60	1.73	4.50
	TOTAL				407.81
	Add 1 % Water charges				4.08
	TOTAL				411.89
	Add 15 % Contractor's profit and overheads				61.78
	Cost for 1 no				473.67
	Say				473.65

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	20.00	20.00
9999	Sundries including screws and fixing charges.	L.S.	2.60	1.73	4.50
	TOTAL				24.50
	Add 1 % Water charges				0.25
	TOTAL				24.75
	Add 15 % Contractor's profit and overheads				3.71
	Cost for 1 No.				28.46
	Say				28.45

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	14.00	14.00
9999	Sundries including screws and fixing charges.	L.S.	2.60	1.73	4.50
	TOTAL				18.50
	Add 1 % Water charges				0.19
	TOTAL				18.69
	Add 15 % Contractor's profit and overheads				2.80
	Cost for 1 No.				21.49
	Say				21.50

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	150.00	1500.00
9977	CARRIAGE	L.S.	19.50	1.73	33.74
9999	Sundries including screws and fixing charges.	L.S.	100.10	1.73	173.17
	TOTAL				1706.91
	Add 1 % Water charges				17.07
	TOTAL				1723.98
	Add 15 % Contractor's profit and overheads				258.60
	Cost for 10 sets				1982.58
	Cost for 1 set				198.25
	Say				198.25

9.116 Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by 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 arrangement in racks/ cupboards/ cabinets shutter .	each	1.00	9.00	9.00
9999	Labour for fixing	L.S.	1.04	1.73	1.80
	TOTAL				10.80
	Add 1 % Water charges				0.11
	TOTAL				10.91
	Add 15 % Contractor's profit and overheads				1.64
	Cost for 1 No.				12.55
	Say				12.55

9.117 Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), 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	160.00	800.00
	LABOUR				
0156	Carpenter (average)	day	0.15	467.00	70.05
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	4.68	1.73	8.10
	TOTAL				933.35
	Add 1 % Water charges				9.33
	TOTAL				942.68
	Add 15 % Contractor's profit and overheads				141.40
	Cost of 5 metre				1084.08
	Cost for 1 metre				216.81
	Say				216.80

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	150.00	750.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR Carpenter (average)	day	0.15	467.00	70.05
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	4.68	1.73	8.10
	TOTAL				883.35
	Add 1 % Water charges				8.83
	TOTAL				892.18
	Add 15 % Contractor's profit and overheads				133.83
	Cost of 5 metre				1026.01
	Cost for 1 metre				205.20
	Say				205.20

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 ₹
8001	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 24 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2.38	1395.00	3320.10
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				3689.32
	Add 1 % Water charges				36.89
	TOTAL				3726.21
	Add 15 % Contractor's profit and overheads				558.93
	Cost of 2.38 sqm				4285.14
	Cost of 1 sqm				1800.47
	Say				1800.45

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 ₹
8002	Detail of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish LABOUR	sqm	2.38	1522.00	3622.36
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	Total				3991.58
	Add 1 % Water charges				39.92
	TOTAL				4031.50
	Add 15 % Contractor's profit and overheads				604.73
	Cost of 2.38 sqm				4636.23
	Cost of 1 sqm				1947.99
	Say				1948.00

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 are covered 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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8706	MATERIAL 25mm thick factory made PVC flash for shutter i/c carriage.	sqm	2.38	1700.00	4046.00
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				4415.22
	Add 1 % Water charges				44.15
	TOTAL				4459.37
	Add 15 % Contractor's profit and overheads				668.91
	Cost of 2.38 sqm				5128.28
	Cost of 1 sqm				2154.73
	Say				2154.75

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 ₹
8011	Details of cost for one door frame of 5 metre MATERIAL Factory made door frame PVC extruded sheet i/c carriage	metre	5.00	350.00	1750.00
	LABOUR				
0156	Carpenter (average)	day	0.15	467.00	70.05
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	7.80	1.73	13.49
	TOTAL				1888.74
	Add 1 % Water charges				18.89
	TOTAL				1907.63
	Add 15 % Contractor's profit and overheads				286.14
	Cost of 5 metres				2193.77
	Cost of 1 metre				438.75
	Say				438.75

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 75 mm 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	Factory made PVC rigid foam panelled shutter i/c carriage	sqm	2.38	2200.00	5236.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	85.00	34.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				5672.02
	Add 1 % Water charges				56.72
	TOTAL				5728.74
	Add 15 % Contractor's profit and overheads				859.31
	Cost of 2.38 sqm				6588.05
	Cost of 1 sqm				2768.08
	Say				2768.10

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	Factory made PVC rigid foam panelled shutter as per IS : 4020 i/c carriage	sqm	2.38	2600.00	6188.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	85.00	34.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				6624.02
	Add 1 % Water charges				66.24
	TOTAL				6690.26
	Add 15 % Contractor's profit and overheads				1003.54
	Cost of 2.38 sqm				7693.80
	Cost of 1 sqm				3232.68
	Say				3232.70

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 2 mm 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 ₹
8707	Details of cost for one door frame of 5 metre MATERIAL Factory made glass reinforced plastic door frame 90x45 mm i/c carriage.	metre	5.00	330.00	1650.00
	LABOUR				
0156	Carpenter (average)	day	0.15	467.00	70.05
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	7.80	1.73	13.49
	TOTAL				1788.74
	Add 1 % Water charges				17.89
	TOTAL				1806.63
	Add 15 % Contractor's profit and overheads				270.99
	Cost of 5 metres				2077.62
	Cost of 1 metre				415.52
	Say				415.50

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 ₹
8708	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage.	sqm	2.38	1700.00	4046.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	85.00	34.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				4482.02
	Add 1 % Water charges				44.82
	TOTAL				4526.84
	Add 15 % Contractor's profit and overheads				679.03
	Cost of 2.38 sqm				5205.87
	Cost of 1 sqm				2187.34
	Say				2187.35

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	2000.00	4760.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	85.00	34.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				5196.02
	Add 1 % Water charges				51.96
	TOTAL				5247.98
	Add 15 % Contractor's profit and overheads				787.20
	Cost of 2.38 sqm				6035.18
	Cost of 1 sqm				2535.78
	Say				2535.80

9.123 Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8710	Details of cost for one door frame of 5 metre MATERIAL Factory made solid PVC door frame 60 x 30mm i/c carriage.	metre	5.00	300.00	1500.00
	LABOUR				
0156	Carpenter (average)	day	0.15	467.00	70.05
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	7.80	1.73	13.49
	TOTAL				1638.74
	Add 1 % Water charges				16.39
	TOTAL				1655.13
	Add 15 % Contractor's profit and overheads				248.27
	Cost of 5 metres				1903.40
	Cost of 1 meter				380.68
	Say				380.70

9.124 Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mm x 1 mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5 mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100 mm x 8 mm complete as per manufacturer's specifications and direction of Engineer-in-charge.

9.124.1 Non decorative finish

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8712	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm MATERIAL 30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish.	sqm	2.38	2000.00	4760.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	85.00	34.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				5196.02
	Add 1 % Water charges				51.96
	TOTAL				5247.98
	Add 15 % Contractor's profit and overheads				787.20
	Cost of 2.38 sqm				6035.18
	Cost of 1 sqm				2535.78
	Say				2535.80

9.124.2 Decorative finish (both side wood grained finish)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for one door shutter 2.20x1.08m = 2.38 sqm				
	MATERIAL				
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	2.38	2100.00	4998.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	85.00	34.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				5434.02
	Add 1 % Water charges				54.34
	TOTAL				5488.36
	Add 15 % Contractor's profit and overheads				823.25
	Cost of 2.38 sqm				6311.61
	Cost of 1 sqm				2651.93
	Say				2651.95

9.125 Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1.0x0.3m = 0.3 sqm				
	MATERIAL				
	PVC rigid foam shet 1mm thick = 0.30 sqm				
	Add wastage @ 10% = 0.03 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8006	Factory made PVC rigid foam sheet 1mm thick PVC rigid foam sheet 1mm thick = 0.30 sqm Add wastage @ 10% = 0.03 sqm Total = 0.33 sqm	sqm	0.33	200.00	66.00
9999	Rubber adhesive LABOUR	L.S.	21.84	1.73	37.78
0111	Carpenter 1st class	day	0.11	487.00	53.57
0114	Beldar	day	0.14	368.00	51.52
0130	Mistry	day	0.02	487.00	9.74
	TOTAL				218.61
	Add 1 % Water charges				2.19
	TOTAL				220.80
	Add 15 % Contractor's profit and overheads				33.12
	Cost of 0.30 sqm				253.92
	Cost of 1 sqm				846.40
	Say				846.40

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	667.00	533.60
9977	Carriage of Plywood LABOUR	L.S.	1.82	1.73	3.15
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				821.99
	Add 1 % Water charges				8.22
	TOTAL				830.21
	Add 15 % Contractor's profit and overheads				124.53
	Cost of 0.66 sqm.				954.74
	Cost of 1 sqm.				1446.58
	Say				1446.60

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	800.00	640.00
9977	Carriage of Plywood	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				928.39
	Add 1 % Water charges				9.28
	TOTAL				937.67
	Add 15 % Contractor's profit and overheads				140.65
	Cost of 0.66 sqm.				1078.32
	Cost of 1 sqm.				1633.82
	Say				1633.80

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	500.00	2750.00
9999	Adhesive	L.S.	195.00	1.73	337.35
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries i/c nails etc.	L.S.	52.00	1.73	89.96
	TOTAL				3604.81
	Add 1 % Water charges				36.05
	TOTAL				3640.86
	Add 15 % Contractor's profit and overheads				546.13
	Cost for 5.00 sqm				4186.99
	Cost for 1 sqm				837.39
	Say				837.40

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	250.00	1375.00
9999	Adhesive	L.S.	195.00	1.73	337.35
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries i/c nails etc.	L.S.	52.00	1.73	89.96
	TOTAL				2229.81
	Add 1 % Water charges				22.30
	TOTAL				2252.11
	Add 15 % Contractor's profit and overheads				337.82
	Cost for 5.00 sqm				2589.93
	Cost for 1 sqm				517.98
	Say				518.00

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.

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	3000.00	1620.00
9977	Carriage	L.S.	26.00	1.73	44.98
9999	fixing charges including sundries.	L.S.	143.00	1.73	247.39
	TOTAL				1912.37
	Add 1 % Water charges				19.12
	Total				1931.49
	Add 15 % Contractor's profit and overheads				289.72
	Cost for 0.54 sqm				2221.21
	Cost for 1 sqm				4113.35
	Say				4113.35

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	940.00	2068.00
9977	CARRIAGE	L.S.	29.64	1.73	51.28
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	40.00	176.00
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	37.00	46.25
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
0130	Mistry	day	0.07	487.00	34.09
7271	IInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	30.00	210.00
	TOTAL				3013.12
	Add 1 % Water charges				30.13
	TOTAL				3043.25
	Add 15 % Contractor's profit and overheads				456.49
	Cost for 2.20sqm.				3499.74
	Cost of 1 sqm				1590.79
	Say				1590.80

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	480.00	1056.00
0346	Extra for veneered particle board with : Teak veneering on one side and commercial veneered on other side	sqm	2.20	270.00	594.00
9977	CARRIAGE	L.S.	29.64	1.73	51.28
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	40.00	176.00
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	37.00	46.25
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	Mistry	day	0.07	487.00	34.09
7271	IIInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	30.00	210.00
	TOTAL				2595.12
	Add 1 % Water charges				25.95
	TOTAL				2621.07
	Add 15 % Contractor's profit and overheads				393.16
	Cost for 2.20sqm.				3014.23
	Cost of 1 sqm				1370.10
	Say				1370.10

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	480.00	1056.00
0347	Extra for veneered particle board with: Commercial veneering on both sides	sqm	2.20	180.00	396.00
9977	CARRIAGE	L.S.	29.64	1.73	51.28
8678	1mm thick 35mm wide bright finished stainless steel piano hinges .	metre	4.40	40.00	176.00
0685	Oxidised mild steel screws 25 mm	100 Nos	1.25	37.00	46.25
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
0130	Mistry	day	0.07	487.00	34.09
7271	IIInd class teak wood lipping 25 mm wide x 12 mm thick	metre	7.00	30.00	210.00
	TOTAL				2397.12
	Add 1 % Water charges				23.97
	TOTAL				2421.09
	Add 15 % Contractor's profit and overheads				363.16
	Cost for 2.20sqm.				2784.25
	Cost of 1 sqm				1265.56
	Say				1265.55

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	808.00	1785.68
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	150.00	22.50
9988	Carriage of materials including loading and unloading	L.S.	19.50	1.73	33.74
9999	Sundries and screws etc.	L.S.	39.00	1.73	67.47
	LABOUR				
0112	Carpenter 2nd class	day	0.27	448.00	120.96
0114	Beldar	day	0.30	368.00	110.40
	TOTAL				2296.75
	Add 1 % Water charges				22.97
	TOTAL				2319.72
	Add 15 % Contractor's profit and overheads				347.96
	Cost for 2.10sqm.				2667.68
	Cost of 1 sqm				1270.32
	Say				1270.30

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	1.73	112.45
9999	Sundries including screws, fixing, carriage etc.	L.S.	13.00	1.73	22.49
	TOTAL				376.94
	Add 1 % Water charges				3.77
	TOTAL				380.71
	Add 15 % Contractor's profit and overheads				57.11
	Cost for 1 kg.				437.82
	Say				437.80

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 48 mm 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	400.00	4912.00
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	35.00	688.10
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	22.00	211.20
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.00	84.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	65.00	114.40
9999	Jointing compound	L.S.	20.80	1.73	35.98
7018	Joint tape roll	roll	0.19	105.00	19.95
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	1.73	89.96
9977	Carriage of materials	L.S.	26.00	1.73	44.98
	LABOUR				
0111	Carpenter 1st class	day	3.80	487.00	1850.60
0114	Beldar	day	4.60	368.00	1692.80
	TOTAL				9743.97
	Add 1 % Water charges				97.44
	TOTAL				9841.41
	Add 15 % Contractor's profit and overheads				1476.21
	Cost for 11.16 sqm				11317.62
	Cost for 1 sqm				1014.12
	Say				1014.10

9.133.2 Multipurpose cement board reinforced with with suitable fibre cement screw.

9.133.2.1 8 mm thick cement fibre board as per IS : 14862

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 3.66 m x 3.05 m = 11.16 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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 propylene reinforced) cement board 8mm thick.	sqm	12.28	215.00	2640.20
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	35.00	688.10
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	22.00	211.20
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.00	84.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	65.00	114.40
9999	Jointing compound	L.S.	20.80	1.73	35.98
7018	Joint tape roll	roll	0.19	105.00	19.95
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	1.73	89.96
9977	Carriage of materials	L.S.	26.00	1.73	44.98
	LABOUR				
0111	Carpenter 1st class	day	3.80	487.00	1850.60
0114	Beldar	day	4.60	368.00	1692.80
	TOTAL				7472.17
	Add 1 % Water charges				74.72
	TOTAL				7546.89
	Add 15 % Contractor's profit and overheads				1132.03
	Cost for 11.16 sqm				8678.92
	Cost for 1 sqm				777.68
	Say				777.70

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 Add wastage @ 10% =1.12 sqm. Total = 12.28 sqm	Sqm	12.280	210.00	2578.80
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	35.00	688.10
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	22.00	211.20
8722	Nylon sleeves & wooden screws (40 mm)	each	42.00	2.00	84.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	65.00	114.40
9999	Jointing compound	L.S	20.80	1.73	35.98

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7018	Joint tape roll	each roll	0.19	105.00	19.95
9999	Sundries i/c rawl plug. Scaffolding etc.	L.S	52.00	1.73	89.96
9999	Carriage of materials	L.S	26.00	1.73	44.98
	LABOUR:				
0111	Carpenter 1 st class	day	3.80	487.00	1850.60
0114	Beldar	day	4.60	368.00	1692.80
	TOTAL				7410.77
	Add Water Charges @ 1%				74.11
	TOTAL				7484.88
	Add CPOH @ 15%				1122.73
	Cost of 11.16 sqm				8607.61
	Cost of 1 sqm				771.29
	Say				771.30

9.133.3 Gypsum board conforming to IS: 2095 Part -1.

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				
	Glass fibre reinforced gypsum board 12.5 mm thick.= 11.16 sqm				
	Add wastage @ 10% = 1.12 sqm.				
	Total = 12.28 sqm				
8717	12.5 mm thick Glass fibre reinforced Gypsum board .	sqm	12.28	195.00	2394.60
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	35.00	688.10
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	22.00	211.20
8722	Nylon sleeves & wooden screws (40mm)	each	42.00	2.00	84.00
8723	Counter sunk ribbed head screw 25 mm	100 Nos	1.76	65.00	114.40
9999	Jointing compound	L.S.	20.80	1.73	35.98
7018	Joint tape roll	roll	0.19	105.00	19.95
9999	Sundries i/c rawl plug, scaffolding etc.	L.S.	52.00	1.73	89.96
9977	Carriage of materials	L.S.	26.00	1.73	44.98
	LABOUR				
0111	Carpenter 1st class	day	3.80	487.00	1850.60
0114	Beldar	day	4.60	368.00	1692.80
	TOTAL				7226.57
	Add 1 % Water charges				72.27
	TOTAL				7298.84
	Add 15 % Contractor's profit and overheads				1094.83
	Cost for 11.16 sqm				8393.67
	Cost for 1 sqm				752.12
	Say				752.10

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 cumdm.				
1190	Second class teak wood in planks Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cumdm	5.14	675.00	3469.50
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	650.00	916.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
2204	Carriage of Timber LABOUR	cum	0.0514	118.59	6.10
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				6018.21
	Add 1 % Water charges				60.18
	TOTAL				6078.39
	Add 15 % Contractor's profit and overheads				911.76
	Cost of 2.16 sqm.				6990.15
	Cost of 1 sqm.				3236.18
	Say				3236.20

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 cum.				
2505	Hollock wood in planks	10 cumd	5.14	390.00	2004.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
9999	Chemical treatment	L.S.	8.97	1.73	15.52
	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	650.00	916.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4607.38
	Add 1 % Water charges				46.07
	TOTAL				4653.45
	Add 15 % Contractor's profit and overheads				698.02
	Cost of 2.16 sqm.				5351.47
	Cost of 1 sqm.				2477.53
	Say				2477.55

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 Hollock wood				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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 cum.				
1200	Kiln seasoned selected sheesum wood planks	10 cum	5.14	650.00	3341.00
2204	Carriage of Timber	cum	0.0514	118.59	6.10
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55
	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	650.00	916.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5928.26
	Add 1 % Water charges				59.28
	TOTAL				5987.54
	Add 15 % Contractor's profit and overheads				898.13
	Cost of 2.16 sqm.				6885.67
	Cost of 1 sqm.				3187.81
	Say				3187.80

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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 Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	10 cudm	5.14	675.00	3469.50
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	650.00	916.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
2204	Carriage of Timber LABOUR	cum	0.0514	118.59	6.10
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				6203.85
	Add 1 % Water charges				62.04
	TOTAL				6265.89
	Add 15 % Contractor's profit and overheads				939.88
	Cost of 2.16 sqm.				7205.77
	Cost of 1 sqm.				3336.00
	Say				3336.00

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	390.00	2004.60
2504	Kiln seasoning of timber	cum	0.0514	750.00	38.55

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Chemical treatment Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	L.S.	8.97	1.73	15.52
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	650.00	916.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4793.02
	Add 1 % Water charges				47.93
	TOTAL				4840.95
	Add 15 % Contractor's profit and overheads				726.14
	Cost of 2.16 sqm.				5567.09
	Cost of 1 sqm.				2577.35
	Say				2577.35

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 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.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	5.14	650.00	3341.00
2504	Kiln seasoning of timber Wire gauge 2x160x40cm = 1.28 sqm.+ Add wastage @ 10% = 0.13 sqm. Total = 1.41 sqm.	cum	0.0514	750.00	38.55
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.41	650.00	916.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
2204	Carriage of Timber	cum	0.0514	118.59	6.10
	LABOUR				
0111	Carpenter 1st class	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.05	368.00	386.40
0130	Mistry	day	0.105	487.00	51.14
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				6113.90
	Add 1 % Water charges				61.14
	TOTAL				6175.04
	Add 15 % Contractor's profit and overheads				926.26
	Cost of 2.16 sqm.				7101.30
	Cost of 1 sqm.				3287.63
	Say				3287.65

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	675.00	2970.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
	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	650.00	916.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5403.49
	Add 1 % Water charges				54.03
	TOTAL				5457.52
	Add 15 % Contractor's profit and overheads				818.63
	Cost of 2.16 sqm.				6276.15
	Cost of 1 sqm.				2905.62
	Say				2905.60

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	390.00	1716.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	8.97	1.73	15.52
	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	650.00	916.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4198.01
	Add 1 % Water charges				41.98
	TOTAL				4239.99
	Add 15 % Contractor's profit and overheads				636.00
	Cost of 2.16 sqm.				4875.99
	Cost of 1 sqm.				2257.40
	Say				2257.40

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 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.				
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
	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	650.00	916.50
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
0597	Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm	10 Nos	0.20	50.00	10.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5326.49
	Add 1 % Water charges				53.26
	TOTAL				5379.75
	Add 15 % Contractor's profit and overheads				806.96
	Cost of 2.16 sqm.				6186.71
	Cost of 1 sqm.				2864.21
	Say				2864.20

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	675.00	2970.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
	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	650.00	916.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5589.13
	Add 1 % Water charges				55.89
	TOTAL				5645.02
	Add 15 % Contractor's profit and overheads				846.75
	Cost of 2.16 sqm.				6491.77
	Cost of 1 sqm.				3005.44
	Say				3005.45

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+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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	390.00	1716.00
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
9999	Chemical treatment	L.S.	9.10	1.73	15.74
2204	Carriage of Timber	cum	0.044	118.59	5.22
	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	650.00	916.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8218	Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				4383.87
	Add 1 % Water charges				43.84
	TOTAL				4427.71
	Add 15 % Contractor's profit and overheads				664.16
	Cost of 2.16 sqm.				5091.87
	Cost of 1 sqm.				2357.34
	Say				2357.35

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 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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1200	Kiln seasoned selected sheesum wood planks	10 cudm	4.40	650.00	2860.00
2504	Kiln seasoning of timber	cum	0.044	750.00	33.00
2204	Carriage of Timber	cum	0.044	118.59	5.22
	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	650.00	916.50
8220	Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked	10 Nos	0.60	240.00	144.00
8218	Stainless steel butt hinges 50x37x 1.5 mm IS : 12817 marked	10 Nos	0.20	130.00	26.00
8211	Stainless steel screws 40 mm	100 Nos	0.48	208.00	99.84
8214	Stainless steel screws 20 mm	100 Nos	0.08	120.00	9.60
	LABOUR				
0111	Carpenter 1st class	day	1.20	487.00	584.40
0112	Carpenter 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.00	368.00	368.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries	L.S.	33.80	1.73	58.47
	TOTAL				5512.13
	Add 1 % Water charges				55.12
	TOTAL				5567.25
	Add 15 % Contractor's profit and overheads				835.09
	Cost of 2.16 sqm.				6402.34
	Cost of 1 sqm.				2964.04
	Say				2964.05

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	650.00	1098.50
9977	Carriage of wire fabric	L.S.	1.82	1.73	3.15
	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	675.00	405.00
2204	Carriage of Timber	cum	0.006	118.59	0.71

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.33	448.00	147.84
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				1781.38
	Add 1 % Water charges				17.81
	TOTAL				1799.19
	Add 15 % Contractor's profit and overheads				269.88
	Cost of 1.54 sqm.				2069.07
	Cost of 1 sqm.				1343.55
	Say				1343.55

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	650.00	1098.50
9977	Carriage of wire fabric	L.S.	1.82	1.73	3.15
7349	12 mm M.S. 'U' beading	metre	5.00	15.00	75.00
	LABOUR				
0112	Carpenter 2nd class	day	0.33	448.00	147.84
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				1450.67
	Add 1 % Water charges				14.51
	TOTAL				1465.18
	Add 15 % Contractor's profit and overheads				219.78
	Cost of 1.54 sqm.				1684.96
	Cost of 1 sqm.				1094.12
	Say				1094.10

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 vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) around 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)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8738	MATERIAL 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 vermiculite based concrete mix	metre	9.10	1050.00	9555.00
9999	LABOUR Labour for fixing	L.S.	130.00	1.73	224.90
9988	Sundries and carriage	L.S.	4.23	1.73	7.32
	TOTAL				9787.22
	Add 1 % Water charges				97.87
	TOTAL				9885.09
	Add 15 % Contractor's profit and overheads				1482.76
	Cost of 9.10 metres				11367.85
	Cost of 1.00 metre				1249.21
	Say				1249.20

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/m²) 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 (panelling to be paid for separately).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8739	Details of cost for 3.50 sqm (Door size- 1710x2050 mm) MATERIAL Fire rated door shuttere made with 16 SWG G.I. sheet(60 minutes) without panel	sqm	3.50	4500.00	15750.00
9999	LABOUR Labour for fixing	L.S.	180.00	1.73	311.40
9988	Sundries & Carriage	L.S.	10.00	1.73	17.30
	TOTAL				16078.70
	Add 1 % Water charges				160.79
	TOTAL				16239.49
	Add 15 % Contractor's profit and overheads				2435.92
	Cost of 3.50 sqm				18675.41
	Cost of 1 sqm				5335.83
	Say				5335.85

9.138 Providing and fixing glazing in fire resistant door shutters, fixed panels, ventilators and partitions etc., with G.I. beading of appropriate size, made out of 20 SWG G.I.sheet (zinc coating not less than 120 gm/m²), fire resistant sealant, including applying a coat of approved fire resistant primer on G.I. beading etc., complete all as per direction of Engineer-in-charge.

9.138.1 With clear fire resistant glass panes 6mm thick of approved brand, having minimum 60 minutes fire resistance

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8741	Details of cost for 6.36 sqm (Door size 3300/2750mm) (Glazing area) MATERIAL Glazing area-2x0.70x2.05=2.87 m ² 1x1.70x0.60=1.02 m ² 2x0.69x1.79=2.47 m ² Total =6.36 m ² Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	6.36	21500.00	136740.00
8742	G.I.'U' beading-2x2x0.70=2.80 m 2x2x2.05=8.20 m 2x1x1.70=3.40 m 2x1x0.60=1.20 m 2x2x0.69 =2.76 m 2x2x1.79=7.16 m Total=25.52 m	metre	25.52	280.00	7145.60
8740	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/m ²) with ceramic tape of suitable thickness and fire resistant primer coating	kg	3.00	280.00	840.00
8743	Fire seal Putty Matrix Mineral Board 3x25.52m=76.56 meter	metre	76.56	65.00	4976.40
9999	LABOUR Labour for fixing	L.S.	180.00	1.73	311.40
9988	Sundries & Carriage	L.S.	10.00	1.73	17.30
	TOTAL				150030.70
	Add 1 % Water charges				1500.31
	TOTAL				151531.01
	Add 15 % Contractor's profit and overheads				22729.65
	Cost of 6.36 sqm				174260.66
	Cost of 1 sqm				27399.47
	Say				27399.45

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 ₹
8744	Details of cost for 1 Nos MATERIAL Panic Bar / latch (Double point)	each	1.00	5200.00	5200.00
0111	LABOUR Carpenter 1st class	day	0.17	487.00	82.79
9977	Sundries (screws and carriage)	L.S.	3.64	1.73	6.30
	TOTAL				5289.09
	Add 1 % Water charges				52.89
	TOTAL				5341.98
	Add 15 % Contractor's profit and overheads				801.30
	Total				6143.28
	Cost of 1 No				6143.28
	Say				6143.30

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 ₹
2413	Details of cost for 10 sqm MATERIAL 12 mm commercial ply	sqm	11.00	700.00	7700.00
13.50.1	Priming coat Rate as per Item Number 13.50.1 of SH: Finishing	sqm	10.00	34.95	349.50(A)
9999	Sundries and screws etc. LABOUR	L.S.	40.10	1.73	69.37
0156	Carpenter (average)	day	1.28	467.00	597.76
0114	Beldar	day	1.43	368.00	526.24
9988	Sundries and carriage	L.S.	33.56	1.73	58.06
	TOTAL				9300.93
	Add 1 % Water charges on all except (A) i.e. on (9300.93 - 349.50) = 8951.43				89.51
	TOTAL				9390.44
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9390.44 - 349.50) = 9040.94				1356.14
	Cost of 10 sqm				10746.58
	Cost of 1 sqm				1074.65
	Say				1074.65

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 tapping 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 ₹
8014	Details of cost for one door frame of 5 metre MATERIAL Factory made door frame of size 50x47mm with wall thickness 5 mm made of single pieces extruded profile	meter	5.00	500.00	2500.00
	LABOUR				
0156	Carpenter (average)	day	0.15	467.00	70.05
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	11.65	1.73	20.15
	TOTAL				2645.40
	Add 1 % Water charges				26.45
	TOTAL				2671.85
	Add 15 % Contractor's profit and overheads				400.78
	Cost of 5 metres				3072.63
	Cost of 1 metre				614.52
	Say				614.50

9.142 35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mm x 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 piece extruded profile non decorative finished (Matt finished)	sqm	2.38	2150.00	5117.00
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	85.00	34.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	30.35	1.73	52.51
	TOTAL				5570.31
	Add 1 % Water charges				55.70
	TOTAL				5626.01
	Add 15 % Contractor's profit and overheads				843.90
	Cost of 2.38 sqm				6469.91
	Cost of 1 sqm				2718.44
	Say				2718.45

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 piece extruded profile decorative finished (Wood grand finished)	sqm	2.38	2600.00	6188.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8100	Powder coated M.S. butt hinges 100mm X58mmX1.9mm	10 Nos	0.40	85.00	34.00
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.48	63.00	30.24
0640	Bright finished or black enamelled mild steel screws 20 mm	100 Nos	0.08	32.00	2.56
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	30.35	1.73	52.51
	TOTAL				6641.31
	Add 1 % Water charges				66.41
	TOTAL				6707.72
	Add 15 % Contractor's profit and overheads				1006.16
	Cost of 2.38 sqm				7713.88
	Cost of 1 sqm				3241.12
	Say				3241.10

9.143 Providing and Fixing factory made uPVC door frame, made of uPVC extruded 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 fasteners, all complete as per manufacturer's specification and direction of Engineer-in-charge.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8745	Details of cost for one door frame of 5 metre MATERIAL 65mm x 55mm x 2mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	5.00	340.00	1700.00
	LABOUR				
0156	Carpenter (average)	day	0.15	467.00	70.05
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	4.68	1.73	8.10
	TOTAL				1833.35
	Add 1 % Water charges				18.33
	TOTAL				1851.68
	Add 15 % Contractor's profit and overheads				277.75
	Cost of 5 metres				2129.43
	Cost of 1 metre				425.88
	Say				425.90

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 ₹
8746	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm MATERIAL 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	2400.00	5712.00
0156	LABOUR Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				6081.22
	Add 1 % Water charges				60.81
	TOTAL				6142.03
	Add 15 % Contractor's profit and overheads				921.30
	Cost of 2.38 sqm				7063.33
	Cost of 1 sqm				2967.78
	Say				2967.80

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 verticals 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 ₹
8747	Details of cost for one door frame of 5 metre MATERIAL 75mm x 53mm x 2.0mm thick Factory made door frame of PVC extruded section in white,grey or wooden finish	metre	5.00	380.00	1900.00
0156	LABOUR Carpenter (average)	day	0.15	467.00	70.05
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	4.68	1.73	8.10
	TOTAL				2033.35
	Add 1 % Water charges				20.33
	TOTAL				2053.68
	Add 15 % Contractor's profit and overheads				308.05
	Cost of 5 metres				2361.73
	Cost of 1 metre				472.34
	Say				472.35

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 ₹
8748	Details of cost for of one shutter 2.20x1.08m = 2.38 sqm MATERIAL 37 mm thick Factory made fusion welded shutter with style,rails and panels of PVC extruded section in wooden finish.	sqm	2.38	2600.00	6188.00
	LABOUR				
0156	Carpenter (average)	day	0.40	467.00	186.80
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	20.36	1.73	35.22
	TOTAL				6557.22
	Add 1 % Water charges				65.57
	TOTAL				6622.79
	Add 15 % Contractor's profit and overheads				993.42
	Cost of 2.38 sqm				7616.21
	Cost of 1 sqm				3200.08
	Say				3200.10

9.147A Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 \pm 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's 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 required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately)

Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147A.1 Casement window single panel with S.S. friction hinges (300 x 19 x 1.9 mm), made of (small series) frame 47 x 50 mm & sash 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glass pane glazing bead of appropriate dimension. (Area of window upto 0.75 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of Cost for uPVC casement window size 0.50 x 1.35 m = 0.68 sqm				
	MATERIAL				
8121	uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	3.89	247.00	960.83
8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm i/c 5% wastage	metre	3.68	267.00	982.56
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash	metre	3.49	90.00	314.10
3991	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage Window Frame = 3.59 M + Window Sash = 3.38 M Total = 6.97 M	metre	6.97	65.00	453.05
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	14.55	20.00	291.00
3995	G.I fasteners 100 x 8 mm	each	8.00	15.00	120.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	2.00	235.00	470.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	122.00	122.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
	LABOUR				
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.68	485.00	329.80
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	0.68	430.00	292.40
	TOTAL				4629.84
	Add 1 % Water charges				46.30
	TOTAL				4676.14
	Add 15 % Contractor's profit and overheads				701.42
	Cost of 0.68 sqm				5377.56
	Cost of 1.00 sqm				7908.17
	Say				7908.15

9.147A.2 Casement window double panels with S.S. friction hinges (300 x 19 x 1.9 mm) made of (small series) frame 47 x 50 mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window above 0.75 sqm upto 1.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement window size 1.00 x 1.35 m = 1.35 sqm.				
	MATERIAL				
8121	uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	4.94	247.00	1220.18
8122	uPVC extruded (small series) casement window sash/window Mullion size 47x68 mm i/c 5% wastage Window Sash = 7.44 M + Window Mullion = 1.42 M Total = 8.86 M	metre	8.86	267.00	2365.62
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash i/c 5% wastage	metre	7.06	90.00	635.40
3991	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage Window Frame = 4.64 M + Window Sash = 6.64 M + Window Mullion = 1.35 M Total = 12.63 M	metre	12.63	65.00	820.95
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	27.91	20.00	558.20
3995	G.I fasteners 100 x 8 mm	each	10.00	15.00	150.00
8757	Stainless steel friction hinges (SS-304 grade) size 300 x 19 x 1.9 mm for uPVC window	each	4.00	235.00	940.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	122.00	244.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
	LABOUR				
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.35	485.00	654.75
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	1.35	430.00	580.50
	TOTAL				8463.70
	Add 1 % Water charges				84.64
	TOTAL				8548.34
	Add 15 % Contractor's profit and overheads				1282.25
	Cost of 1.35 sqm				9830.59
	Cost of 1.00 sqm				7281.91
	Say				7281.90

9.147A.3 Casement window double panels with top fixed with S.S. friction hinges (350 x 19 x 1.9 mm) made of (small series) frame 47 x 50 mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 2.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement window size 1.20 x 1.80 m = 2.16 sqm MATERIAL				
8121	uPVC extruded (small series) casement window frame size 47x50mm i/c 5% wastage	metre	6.30	247.00	1556.10
8122	uPVC extruded (small series) casement window sash/window Mullion size 47x68 mm i/c 5% wastage Window Sash = 7.28 M + Window Mullion = 2.52 M Total = 9.80 M	metre	9.80	267.00	2616.60
8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash i/c 5% wastage	metre	10.62	90.00	955.80
3991	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window frame, sash, mullion i/c 5% wastage Window Frame = 6.00 M + Window Sash = 6.68 M + Window Mullion = 2.37 M Total = 15.05 M	metre	15.05	65.00	978.25
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	37.34	20.00	746.80
3995	G.I fasteners 100 x 8 mm	each	12.00	15.00	180.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	4.00	320.00	1280.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	122.00	244.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	1.73	294.10
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.16	485.00	1047.60
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	2.16	430.00	928.80
	TOTAL				10828.05
	Add 1 % Water charges				108.28
	TOTAL				10936.33
	Add 15 % Contractor's profit and overheads				1640.45
	Cost of 2.16 sqm				12576.78
	Cost of 1.00 sqm				5822.58
	Say				5822.60

9.147A.4 Casement window single panel with S.S. friction hinges (400 x 19 x 1.9 mm) made of (big series)frame 67 x 60 mm & sash 67 x 80 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 0.75 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement window size 0.70 x 1.35 m = 0.95 sqm MATERIAL				
8126	uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage	metre	4.31	358.00	1542.98
8128	uPVC extruded (big series) casement window sash/window mullion size 67x80 mm i/c 5% wastage	metre	4.02	423.00	1700.46
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage	metre	3.83	114.00	436.62
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion, i/c 5% wastage Window Frame = 4.01 M + Window Sash = 3.72 M Total = 7.73 M	metre	7.73	70.00	541.10
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	15.99	20.00	319.80
3995	G.I fasteners 100 x 8 mm	each	10.00	15.00	150.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	350.00	700.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	1.00	122.00	122.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	1.73	294.10
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	0.95	485.00	460.75
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	0.95	430.00	408.50
	TOTAL				6676.31
	Add 1 % Water charges				66.76
	TOTAL				6743.07
	Add 15 % Contractor's profit and overheads				1011.46
	Cost of 0.95 sqm				7754.53
	Cost of 1.00 sqm				8162.66
	Say				8162.65

9.147A.5 Casement window double panels with S.S. friction hinges (350 x 19 x 1.9 mm) made of (big series)frame 67 x 60 mm & sash / mullion 67 x 80 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of window above 1.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of Cost for uPVC casement window size 1.20 x 1.35 m = 1.62 sqm.				
	MATERIAL				
8126	uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage	metre	5.36	358.00	1918.88
8128	uPVC extruded (big series) casement window sash/window mullion size 67x 80 mm i/c 5% wastage Window Sash = 7.71 M + Window Mullion = 1.42 M Total = 9.13 M	metre	9.13	423.00	3861.99
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage	metre	7.34	114.00	836.76
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion i/c 5% wastage Window Frame = 5.31 M + Window Sash = 7.11 M + Window Mullion = 1.41 M Total = 13.83 M	metre	13.83	70.00	968.10
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	30.62	20.00	612.40
3995	G.I fasteners 100 x 8 mm	each	12.00	15.00	180.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	4.00	320.00	1280.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	122.00	244.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
	LABOUR				
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	1.62	485.00	785.70
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	1.62	430.00	696.60
	TOTAL				11678.53
	Add 1 % Water charges				116.79
	TOTAL				11795.32
	Add 15 % Contractor's profit and overheads				1769.30
	Cost of 1.62 sqm				13564.62
	Cost of 1.00 sqm				8373.22
	Say				8373.20

9.147A.6 Casement cum fixed panel window having both end single casement panel, middle fixed panels and at top completely fixed ventilator with S.S friction hinges (350 x 19 x 1.9) made of (big series) frame 67 x 60 mm , sash 67 x 80 mm , & mullion 67 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and single glazing bead/double glazing bead of appropriate dimension. (Area of window above 3.00 sqm upto 5.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement cum fixed window size 2.50 x 1.60 m = 4.00 sqm. MATERIAL				
8126	uPVC extruded (big series) casement window frame size 67x60 mm i/c 5% wastage	metre	8.61	358.00	3082.38
8128	uPVC extruded (big series) casement window sash/window mullion size 67x 80 mm i/c 5% wastage Window Sash = 6.24 M + Window Mullion = 8.93 M Total = 15.17 M	metre	15.17	423.00	6416.91
8130	uPVC extruded glazing bead of appropriate dimension for big series casement window sash i/c 5% wastage	metre	27.85	114.00	3174.90
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window frame, sash, mullion, big & small series sliding window frame i/c 5% wastage Window Frame = 8.31 M + Window Sash = 5.64 M + Window Mullion = 7.95 M Total = 21.90 M	metre	21.90	70.00	1533.00
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	83.45	20.00	1669.00
3995	G.I fasteners 100 x 8 mm	each	16.00	15.00	240.00
8758	Stainless steel friction hinges (SS-304 grade) size 350 x 19 x 1.9 mm for uPVC window	each	4.00	320.00	1280.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window	each	2.00	122.00	244.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	1.73	294.10
0162	Labour for fabrication of uPVC extruded casement windows including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	4.00	485.00	1940.00
0163	Labour for installation of uPVC extruded casement windows including scaffolding	sqm	4.00	430.00	1720.00
	TOTAL				21594.29
	Add 1 % Water charges				215.94
	TOTAL				21810.23
	Add 15 % Contractor's profit and overheads				3271.53
	Cost of 4.00 sqm				25081.76
	Cost of 1.00 sqm				6270.44
	Say				6270.45

9.147B Providing and fixing factory made uPVC white colour fixed glazed windows/ ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's 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 required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately).

Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147B.1 Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area upto 0.75 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC fixed window size 1.20 x 0.50 m = 0.60 sqm. MATERIAL				
8121	uPVC extruded (small series) fixed window frame size 47x50mm	metre	3.57	247.00	881.79
8122	uPVC extruded (small series) fixed window mullion size 47x68 mm	metre	0.53	267.00	141.51
8125	uPVC extruded glazing bead of appropriate dimension for small series fixed window Sash	metre	3.99	90.00	359.10
3991	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series fixed window frame and mullion i/c 5% wastage Window Frame = 3.27 M + Window Mullion = 0.98 M Total = 4.25 M	metre	4.25	65.00	276.25
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	8.38	20.00	167.60
3995	G.I fasteners 100 x 8 mm	each	8.00	15.00	120.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	1.73	294.10
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	0.60	485.00	291.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded fixed windows including scaffolding	sqm	0.60	430.00	258.00
	TOTAL				2789.35
	Add 1 % Water charges				27.89
	TOTAL				2817.24
	Add 15 % Contractor's profit and overheads				422.59
	Cost of 0.60 sqm				3239.83
	Cost of 1.00 sqm				5399.71
	Say				5399.70

9.147C Providing and fixing factory made uPVC white colour casement/ Casement cum fixed glazed door comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, zinc alloy (white powder coated) 3D hinges and one handle on each side of panels along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealent shall be paid separately).

Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147C.1 Casement door with 3D hinges made of (big series) frame 67 x 64 mm & sash 67 x 110 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door upto 2.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement door size 0.90 x 2.10 m = 1.89 sqm. MATERIAL				
8127	uPVC extruded (big series) casement door frame size 67x64 mm i/c 5% wastage	metre	5.36	370.00	1983.20
8129	uPVC extruded (big series) casement door sash size 67x110 mm i/c 5% wastage	metre	6.02	550.00	3311.00
8130	uPVC extruded glazing bead of appropriate dimension for big series casement door sash i/c 5% wastage	metre	5.22	114.00	595.08
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, i/c 5% wastage	metre	5.14	70.00	359.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash i/c 5% wastage	metre	5.72	95.00	543.40
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	22.91	20.00	458.20
3995	G.I fasteners 100 x 8 mm	each	10.00	15.00	150.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door	each	3.00	455.00	1365.00
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	2000.00	2000.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	1.73	294.10
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	485.00	916.65
0163	Labour for installation of uPVC extruded casement windows and doors including scaffolding	sqm	1.89	430.00	812.70
	TOTAL				12789.13
	Add 1 % Water charges				127.89
	TOTAL				12917.02
	Add 15 % Contractor's profit and overheads				1937.55
	Cost of 1.89 sqm				14854.57
	Cost of 1.00 sqm				7859.56
	Say				7859.55

9.147C.2 Casement door with top hung ventilator with 3D and S.S. friction hinges (400 x 19 x 1.9 mm) made of (big series) frame 67 x 64 mm, sash 67 x 110 mm & mullion 67 x 80 mm all having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension.(Area of door upto 2.50 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC casement door size 0.90 x 2.70 m = 2.43 sqm MATERIAL				
8127	uPVC extruded (big series) casement door frame size 67x64 mm i/c 5% wastage	metre	6.30	370.00	2331.00
8129	uPVC extruded (big series) casement door sash size 67x110 mm i/c 5% wastage	metre	6.01	550.00	3305.50
8128	uPVC extruded (big series) casement door sash/mullion size 67x80 mm i/c 5% wastage Door sash (67 mm x 80 mm) = 2.60 M + Door mullion (67 mm x 80 mm) = 0.95 M Total = 3.55 M	metre	3.55	423.00	1501.65
8130	uPVC extruded glazing bead of appropriate dimension for big series casement door sash i/c 5% wastage	metre	8.06	114.00	918.84

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door frame, sash, mullion, i/c 5% wastage Door Frame = 6.08 M + Ventilator Sash = 2.30 M + Mullion = 0.88 M Total = 9.26 M	metre	9.26	70.00	648.20
3993	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash i/c 5% wastage	metre	5.71	95.00	542.45
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	31.98	20.00	639.60
3995	G.I fasteners 100 x 8 mm	each	12.00	15.00	180.00
8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door	each	3.00	455.00	1365.00
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	2000.00	2000.00
8759	Stainless steel friction hinges (SS-304 grade) size 400 x 19 x 1.9 mm for uPVC window	each	2.00	350.00	700.00
8750	Zinc alloy (white powder coated) casement handle for uPVC window/ door	each	1.00	122.00	122.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	1.73	294.10
0162	Labour for fabrication of uPVC extruded casement doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc.	sqm	2.43	485.00	1178.55
0163	Labour for installation of uPVC extruded casement ventilator and doors including scaffolding	sqm	2.43	430.00	1044.90
	TOTAL				16771.79
	Add 1 % Water charges				167.72
	TOTAL				16939.51
	Add 15 % Contractor's profit and overheads				2540.93
	Cost of 2.43 sqm				19480.44
	Cost of 1.00 sqm				8016.64
	Say				8016.65

9.147D Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel

screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's 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 required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately)

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147D.1 Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.20 x 1.35 m = 1.62 sqm. MATERIAL				
8133	uPVC extruded (small series) 2 track sliding window frame size 52x44 mm i/c 5% wastage	metre	5.36	267.00	1431.12
8137	uPVC extruded (small series) 2 track sliding window sash size 32x60mm i/c 5% wastage	metre	7.90	251.00	1982.90
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	2.69	75.00	201.75
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	6.92	55.00	380.60
3991	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series 2 track sliding window frame and sash i/c 5% wastage 2 Track Sliding (Window Frame = 5.06 M + Window Sash = 7.30 M) Total = 12.36 M	metre	12.36	65.00	803.40
7390	EPDM Gasket for uPVC window/door i/c 5% wastage	metre	13.84	20.00	276.80
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	18.48	20.00	369.60
3995	G.I fasteners 100 x 8 mm	each	12.00	15.00	180.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	100.00	200.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	4.00	55.00	220.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
0162	LABOUR 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	1.62	485.00	785.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	1.62	430.00	696.60
	TOTAL				7822.57
	Add 1 % Water charges				78.23
	TOTAL				7900.80
	Add 15 % Contractor's profit and overheads				1185.12
	Cost of 1.62 sqm				9085.92
	Cost of 1.00 sqm				5608.59
	Say				5608.60

9.147D.2 Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.20 x 1.35 m = 1.62 sqm. MATERIAL				
8135	uPVC extruded (small series) 3 track sliding window frame size 92x44 mm i/c 5% wastage	metre	5.06	360.00	1821.60
8137	uPVC extruded (small series) 3 track sliding window sash size 32x60mm i/c 5% wastage	metre	11.84	251.00	2971.84
8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	4.04	75.00	303.00
8131	uPVC extruded glazing bead of appropriate dimension for small series sliding window sash i/c 5% wastage	metre	10.38	55.00	570.90
3991	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series sliding window frame and sash i/c 5% wastage 3 Track Sliding (Window Frame = 9.52 m + Window Sash = 10.94 m) Total = 20.46 M	metre	20.46	65.00	1329.90
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	20.76	20.00	415.20
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	27.72	20.00	554.40
3995	G.I fasteners 100 x 8 mm	each	12.00	15.00	180.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	100.00	200.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	55.00	330.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0162	LABOUR 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	1.62	485.00	785.70
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	1.62	430.00	696.60
	TOTAL				10453.24
	Add 1 % Water charges				104.53
	TOTAL				10557.77
	Add 15 % Contractor's profit and overheads				1583.67
	Cost of 1.62 sqm				12141.44
	Cost of 1.00 sqm				7494.71
	Say				7494.70

9.147D.3 Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension . (Area of window above 1.75 sqm upto 2.50 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.50 x 1.35 m = 2.03sqm				
	MATERIAL				
8134	uPVC extruded (big series) 2 track sliding window frame size 67x50mm i/c 5% wastage	metre	5.99	367.00	2198.33
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm i/c 5% wastage	metre	8.36	311.00	2599.96
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	2.65	85.00	225.25
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	7.64	82.00	626.48
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	5.69	70.00	398.30
3994	Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	7.76	85.00	659.60
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	15.28	20.00	305.60
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	19.37	20.00	387.40
3995	G.I fasteners 100 x 8 mm	each	14.00	15.00	210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	100.00	200.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	4.00	55.00	220.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	2.03	485.00	984.55
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	2.03	430.00	872.90
	TOTAL				10182.47
	Add 1 % Water charges				101.82
	TOTAL				10284.29
	Add 15 % Contractor's profit and overheads				1542.64
	Cost of 2.03 sqm				11826.93
	Cost of 1.00 sqm				5826.07
	Say				5826.15

9.147D.4 Three track three panels sliding window with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.80 x 1.35 m = 2.43 sqm. MATERIAL				
8136	uPVC extruded (big series) 3 track sliding window frame size 116x45mm i/c 5% wastage	metre	6.62	505.00	3343.10
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm i/c 5% wastage	metre	13.49	311.00	4195.39
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	3.98	85.00	338.30
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	11.91	82.00	976.62
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (3 track sliding window frame i/c 5% wastage)	metre	12.64	70.00	884.80
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7390	(3 track sliding window sash i/c 5% wastage)	metre	12.59	85.00	1070.15
8773	EPDM Gasket for uPVC window i/c 5% wastage	metre	23.81	20.00	476.20
3995	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	30.96	20.00	619.20
8751	G.I fasteners 100 x 8 mm	each	16.00	15.00	240.00
8752	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	100.00	200.00
9999	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	55.00	330.00
0162	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
0163	LABOUR				
	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	2.43	485.00	1178.55
	Labour for installation of uPVC extruded casement/ sliding windows including scaffolding	sqm	2.43	430.00	1044.90
	TOTAL				15191.31
	Add 1 % Water charges				151.91
	TOTAL				15343.22
	Add 15 % Contractor's profit and overheads				2301.48
	Cost of 2.43 sqm				17644.70
	Cost of 1.00 sqm				7261.19
	Say				7261.20

9.147D.5 Three track three panels sliding window made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8136	Detail of cost for uPVC sliding window size 1.80 x 1.35 m = 2.43 sqm. MATERIAL				
8136	uPVC extruded (big series) 3 track sliding window frame size 116x45mm i/c 5% wastage	metre	6.62	505.00	3343.10
8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm i/c 5% wastage	metre	11.85	311.00	3685.35
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	5.30	85.00	450.50
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	10.26	82.00	841.32
	Galvanized iron reinforcement for :-				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3992	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (3 track sliding window frame i/c 5% wastage)	metre	12.64	70.00	884.80
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (3 track sliding window sash i/c 5% wastage)	metre	10.95	85.00	930.75
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	20.52	20.00	410.40
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	29.00	20.00	580.00
3995	G.I fasteners 100 x 8 mm	each	16.00	15.00	240.00
8751	Zinc alloy (white powder coated) touch lock with hook for uPVC window	each	2.00	100.00	200.00
8752	Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window	each	6.00	55.00	330.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material LABOUR	L.S.	170.00	1.73	294.10
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	2.43	485.00	1178.55
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	2.43	430.00	1044.90
	TOTAL				14413.77
	Add 1 % Water charges				144.14
	TOTAL				14557.91
	Add 15 % Contractor's profit and overheads				2183.69
	Cost of 2.43 sqm				16741.60
	Cost of 1.00 sqm				6889.55
	Say				6889.55

9.147E Providing and fixing factory made uPVC white colour sliding glazed window above 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads, uPVC extruded interlocks and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle on one side of extreme panel along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) touch lock with hook (if required for wire mesh panel), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between

frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealent shall be paid separately).

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147E.1 Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 2.50 sqm upto 4.00 sqm.)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 1.50 x 2.40 m = 3.60 sqm. MATERIAL				
8134	uPVC extruded (big series) 2 track sliding window frame size 67x50mm i/c 5% wastage	metre	8.19	367.00	3005.73
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm i/c 5% wastage	metre	12.77	311.00	3971.47
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	4.86	85.00	413.10
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	12.04	82.00	987.28
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	7.89	70.00	552.30
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	12.17	85.00	1034.45
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	24.08	20.00	481.60
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	30.40	20.00	608.00
3995	G.I fasteners 100 x 8 mm	each	16.00	15.00	240.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window	each set	2.00	950.00	1900.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding window	each	4.00	90.00	360.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0162	LABOUR 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	3.60	485.00	1746.00
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	3.60	430.00	1548.00
	TOTAL				17142.03
	Add 1 % Water charges				171.42
	TOTAL				17313.45
	Add 15 % Contractor's profit and overheads				2597.02
	Cost of 3.60 sqm				19910.47
	Cost of 1.00 sqm				5530.68
	Say				5530.70

9.147E.2 Two track four panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 4.00 sqm upto 8.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding window size 3.00 x 2.40 m = 7.20 sqm. MATERIAL				
8134	uPVC extruded (big series) 2 track sliding window frame size 67x50mm i/c 5% wastage	metre	11.34	367.00	4161.78
8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm i/c 5% wastage	metre	25.75	311.00	8008.25
8141	uPVC extruded interlock of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	9.71	85.00	825.35
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window sash i/c 5% wastage	metre	2.40	85.00	204.00
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding window Sash i/c 5% wastage	metre	24.31	82.00	1993.42
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window frame (2 track sliding window frame i/c 5% wastage)	metre	11.04	70.00	772.80
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window sash (2 track sliding window sash i/c 5% wastage)	metre	24.55	85.00	2086.75
7390	EPDM Gasket for uPVC window i/c 5% wastage	metre	48.62	20.00	972.40
8773	Wool pile/ weather pile strip for uPVC sliding window i/c 5% wastage	metre	61.21	20.00	1224.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3995	G.I fasteners 100 x 8 mm	each	24.00	15.00	360.00
8118	Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window	each set	2.00	950.00	1900.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding window	each	8.00	90.00	720.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding window	each	2.00	110.00	220.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
0162	LABOUR Labour for fabrication of uPVC extruded sliding windows including drilling holes, fixing of fittings & hardware, hire charges of drill machine and electricity charges etc.	sqm	7.20	485.00	3492.00
0163	Labour for installation of uPVC extruded sliding windows including scaffolding	sqm	7.20	430.00	3096.00
	TOTAL				30331.05
	Add 1 % Water charges				303.31
	TOTAL				30634.36
	Add 15 % Contractor's profit and overheads				4595.15
	Cost of 7.20 sqm				35229.51
	Cost of 1.00 sqm				4892.98
	Say				4893.00

9.147F Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's 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 required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately).

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

9.147F.1 Two track two panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for sliding door size 2.00 x 2.10 m = 4.20 sqm.				
	MATERIAL				
8134	uPVC extruded (big series) 2 track sliding door frame size 67x50mm i/c 5% wastage	metre	8.61	367.00	3159.87
8143	uPVC extruded 2 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	12.60	327.00	4120.20
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	4.23	85.00	359.55
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash i/c 5% wastage	metre	11.54	82.00	946.28
3992	Galvanized iron reinforcement for Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (2 track sliding door frame i/c 5% wastage)	metre	8.31	70.00	581.70
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (2 track sliding door sash i/c 5% wastage)	metre	12.00	85.00	1020.00
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	23.08	20.00	461.60
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	29.43	20.00	588.60
3995	G.I fasteners 100 x 8 mm	each	18.00	15.00	270.00
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	2.00	1150.00	2300.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	4.00	90.00	360.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
	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	485.00	2037.00
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	4.20	430.00	1806.00
	TOTAL				18304.90
	Add 1 % Water charges				183.05
	TOTAL				18487.95
	Add 15 % Contractor's profit and overheads				2773.19
	Cost of 4.20 sqm				21261.14
	Cost of 1.00 sqm				5062.17
	Say				5062.15

9.147F.2 Two track four panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 8.00 sqm upto 10.00 sqm).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding door size 4.00 x 2.10 m = 8.40 sqm. MATERIAL				
8134	uPVC extruded (big series) 2 track sliding door frame size 67x50mm i/c 5% wastage	metre	12.81	367.00	4701.27
8143	uPVC extruded 2 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	25.42	327.00	8312.34
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	8.45	85.00	718.25
8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding door sash	metre	2.10	85.00	178.50
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash	metre	23.30	82.00	1910.60
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (2 track sliding door frame i/c 5% wastage)	metre	12.51	70.00	875.70
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (2 track sliding door sash i/c 5% wastage)	metre	24.22	85.00	2058.70
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	46.60	20.00	932.00
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	59.29	20.00	1185.80
3995	G.I fasteners 100 x 8 mm	each	26.00	15.00	390.00
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	2.00	1150.00	2300.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	8.00	90.00	720.00
8754	Zinc alloy (white powder coated) crescent lock for uPVC sliding door	each	2.00	110.00	220.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
0162	LABOUR 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	485.00	4074.00
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	8.40	430.00	3612.00
	TOTAL				32483.26
	Add 1 % Water charges				324.83
	TOTAL				32808.09
	Add 15 % Contractor's profit and overheads				4921.21
	Cost of 8.40 sqm				37729.30
	Cost of 1.00 sqm				4491.58
	Say				4491.60

9.147F.3 Three track three panels sliding door made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of door above 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding door size 3.00 x 2.10 m = 6.30 sqm. MATERIAL				
8136	uPVC extruded (big series) 3 track sliding door frame size 116x45mm i/c 5% wastage	metre	10.71	505.00	5408.55
8143	uPVC extruded 3 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	19.09	327.00	6242.43
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	8.45	85.00	718.25
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door i/c 5% wastage	metre	17.51	82.00	1435.82
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series sliding door frames (3 track sliding door frame i/c 5% wastage)	metre	20.82	70.00	1457.40
3994	Galvanized iron (1.6 \pm 0.2 mm) thick reinforcement for big series sliding door sash (3 track sliding door sash i/c 5% wastage)	metre	18.19	85.00	1546.15
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	35.01	20.00	700.20
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	46.63	20.00	932.60
3995	G.I fasteners 100 x 8 mm	each	24.00	15.00	360.00
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	2.00	1150.00	2300.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	90.00	540.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
0162	LABOUR 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	6.30	485.00	3055.50
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	6.30	430.00	2709.00
	TOTAL				27700.00
	Add 1 % Water charges				277.00
	TOTAL				27977.00
	Add 15 % Contractor's profit and overheads				4196.55
	Cost of 6.30 sqm				32173.55
	Cost of 1.00 sqm				5106.91
	Say				5106.90

9.147F.4 Three track three panels sliding door with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for uPVC sliding door size 2.00 x 2.10 m = 4.20 sqm				
	MATERIAL				
8136	uPVC extruded (big series) 3 track sliding door frame size 116x45mm i/c 5% wastage	metre	8.61	505.00	4348.05
8143	uPVC extruded 3 track sliding door sash (big series) size 46x82mm i/c 5% wastage	metre	18.90	327.00	6180.30
8141	uPVC extruded interlock of appropriate dimension for big series sliding door sash i/c 5% wastage	metre	6.34	85.00	538.90
8132	uPVC extruded glazing bead of appropriate dimension for big series of sliding door Sash i/c 5% wastage	metre	17.82	82.00	1461.24
3992	Galvanized iron reinforcement for :- Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door frame (3 track sliding door frame i/c 5% wastage)	metre	8.31	70.00	581.70
3994	Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding door sash (3 track sliding door sash i/c 5% wastage)	metre	18.00	85.00	1530.00
7390	EPDM Gasket for uPVC door i/c 5% wastage	metre	36.64	20.00	732.80
8773	Wool pile/ weather pile strip for uPVC sliding door i/c 5% wastage	metre	44.14	20.00	882.80
3995	G.I fasteners 100 x 8 mm	each	18.00	15.00	270.00
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	2.00	1150.00	2300.00
8749	Zinc alloy (white powder coated) touch lock with hook for wire mesh shutter	each	1.00	120.00	120.00
8753	Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door	each	6.00	90.00	540.00
9999	Sundries, plastic packers, plastic caps, SS screws and carriage of material	L.S.	170.00	1.73	294.10
	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	485.00	2037.00
0163	Labour for installation of uPVC extruded sliding doors including scaffolding	sqm	4.20	430.00	1806.00
	TOTAL				23622.89
	Add 1 % Water charges				236.23
	TOTAL				23859.12
	Add 15 % Contractor's profit and overheads				3578.87
	Cost of 4.20 sqm				27437.99
	Cost of 1.00 sqm				6532.85
	Say				6532.85

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	195.00	1950.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				2081.76
	Add 1 % Water charges				20.82
	TOTAL				2102.58
	Add 15 % Contractor's profit and overheads				315.39
	Cost of 10 Nos				2417.97
	Cost of 1 No				241.79
	Say				241.80

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	220.00	2200.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				2331.76
	Add 1 % Water charges				23.32
	TOTAL				2355.08
	Add 15 % Contractor's profit and overheads				353.26
	Cost of 10 Nos				2708.34
	Cost of 1 No				270.83
	Say				270.85

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	235.00	2350.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	1.73	4.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				2481.76
	Add 1 % Water charges				24.82
	TOTAL				2506.58
	Add 15 % Contractor's profit and overheads				375.99
	Cost of 10 Nos				2882.57
	Cost of 1 No				288.25
	Say				288.25

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	320.00	3200.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				3331.76
	Add 1 % Water charges				33.32
	TOTAL				3365.08
	Add 15 % Contractor's profit and overheads				504.76
	Cost of 10 Nos				3869.84
	Cost of 1 No				386.98
	Say				387.00

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	350.00	3500.00
8647	Stainless steel screws 30mm x4mm.	100 Nos	0.40	32.00	12.80
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0112	Carpenter 2nd class	day	0.14	448.00	62.72
0114	Beldar	day	0.14	368.00	51.52
	TOTAL				3631.76
	Add 1 % Water charges				36.32
	TOTAL				3668.08
	Add 15 % Contractor's profit and overheads				550.21
	Cost of 10 Nos				4218.29
	Cost of 1 No				421.82
	Say				421.80

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	122.00	1220.00
9977	Carriage of materials	L.S.	4.42	1.73	7.65
9999	Sundries(Screws)	L.S.	3.00	1.73	5.19
	LABOUR				
0156	Carpenter (average)	day	0.125	467.00	58.38
	TOTAL				1291.22
	Add 1 % Water charges				12.91
	TOTAL				1304.13
	Add 15 % Contractor's profit and overheads				195.62
	Cost of 10 Nos				1499.75
	Cost of 1 No				149.97
	Say				149.95

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	100.00	1000.00
9977	Carriage of materials	L.S.	4.42	1.73	7.65
9999	Sundries(Screws)	L.S.	3.00	1.73	5.19
	LABOUR				
0156	Carpenter (average)	day	0.125	467.00	58.38
	TOTAL				1071.22
	Add 1 % Water charges				10.71
	TOTAL				1081.93
	Add 15 % Contractor's profit and overheads				162.29
	Cost of 10 Nos				1244.22
	Cost of 1 No				124.42
	Say				124.40

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	55.00	550.00
9977	Carriage of materials	L.S.	4.42	1.73	7.65
9999	Sundries(Screws)	L.S.	3.00	1.73	5.19

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR Carpenter (average)	day	0.125	467.00	58.38
	TOTAL				621.22
	Add 1 % Water charges				6.21
	TOTAL				627.43
	Add 15 % Contractor's profit and overheads				94.11
	Cost of 10 Nos				721.54
	Cost of 1 No				72.15
	Say				72.15

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	90.00	900.00
9977	Carriage of materials	L.S.	4.42	1.73	7.65
9999	Sundries(Screws)	L.S.	3.00	1.73	5.19
	LABOUR				
0156	Carpenter (average)	day	0.125	467.00	58.38
	TOTAL				971.22
	Add 1 % Water charges				9.71
	TOTAL				980.93
	Add 15 % Contractor's profit and overheads				147.14
	Cost of 10 Nos				1128.07
	Cost of 1 No				112.80
	Say				112.80

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	110.00	1100.00
9977	Carriage of materials	L.S.	4.42	1.73	7.65
9999	Sundries(Screws)	L.S.	3.00	1.73	5.19
	LABOUR				
0156	Carpenter (average)	day	0.125	467.00	58.38
	TOTAL				1171.22
	Add 1 % Water charges				11.71
	TOTAL				1182.93
	Add 15 % Contractor's profit and overheads				177.44
	Cost of 10 Nos				1360.37
	Cost of 1 No				136.03
	Say				136.05

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	kilogram	61.27	42.00	2573.34
4009 8776	Mild steel tubes hot finished welded type Stainless steel dash fastener of 8 mm dia and 75 mm long bolt Steel primer	each	20.00	14.00	280.00
13.50.3	5 x 2 x 2.40 x 0.05 x 4 = 4.80 sqm Rate as per Item No.13.50.3 of SH:FINISHING LABOUR	sqm	4.80	29.10	139.68
0116	Fitter (grade 1)	day	0.40	487.00	194.80
0103	Blacksmith 2nd class	day	0.53	448.00	237.44
0114	Beldar	day	1.23	368.00	452.64
0100	Bandhani	day	0.06	407.00	24.42
9999	Sundries	L.S.	33.56	1.73	58.06
	TOTAL				3960.38
	Add 1 % Water charges on all except (A) i.e. on (3960.38 - 139.68) = 3820.70				38.21
	TOTAL				3998.59
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (3998.59 - 139.68) = 3858.91				578.84
	Cost of 58.35 kg				4577.43
	Cost of 1 kg				78.44
	Say				78.45

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 confirming 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 Panel area 4x45.1x36.55cm = 0.66 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL Both side laminated 12mm thick MDF Board 4x47.2x38.65 cm = 0.73 sqm Adding 10% wastage = 0.07 sqm Total= 0.80 sqm				
2484	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	0.80	460.00	368.00
9999	Sundries (Carriage of MDF board)	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1 st class	day	0.57	487.00	277.59
9999	Sundries	L.S.	4.42	1.73	7.65
	TOTAL				656.39
	Add 1 % Water charges				6.56
	TOTAL				662.95
	Add 15 % Contractor's profit and overheads				99.44
	Cost of 0.66 sqm.				762.39
	Cost of 1 sqm.				1155.13
	Say				1155.15

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 confirming 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 confirming to IS:14587	sqm	7.35	460.00	3381.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	1.73	23.39
9999	Sundries and screws	L.S.	26.91	1.73	46.55
	LABOUR				
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				4222.14
	Add 1 % Water charges				42.22
	TOTAL				4264.36
	Add 15 % Contractor's profit and overheads				639.65
	Cost of 7.00 sqm.				4904.01
	Cost of 1 sqm.				700.57
	Say				700.55

9.156.2 Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming 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 confirming to IS:14587	sqm	7.35	597.00	4387.95
9999	Sundries (Carriage of MDF board)	L.S.	19.76	1.73	34.18
9999	Sundries and screws	L.S.	26.91	1.73	46.55
	LABOUR				
0112	Carpenter 2nd class	day	0.90	448.00	403.20
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				5239.88
	Add 1 % Water charges				52.40
	TOTAL				5292.28
	Add 15 % Contractor's profit and overheads				793.84
	Cost of 7.00 sqm.				6086.12
	Cost of 1 sqm.				869.44
	Say				869.45

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 confirming 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 confirming to IS:14587	sqm	0.63	560.00	352.80
	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	30.00	90.00
9999	Sundries (Carriage of MDF board)	L.S.	0.91	1.73	1.57

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	LABOUR Carpenter 2nd class	day	0.11	448.00	49.28
0114	Beldar	day	0.06	368.00	22.08
9999	Sundries and screws	L.S.	7.80	1.73	13.49
	TOTAL				529.22
	Add 1 % Water charges				5.29
	TOTAL				534.51
	Add 15 % Contractor's profit and overheads				80.18
	Cost of 0.60 sqm.				614.69
	Cost of 1 sqm.				1024.48
	Say				1024.50

9.157.2 Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming 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 confirming to IS:14587	sqm	0.63	860.00	541.80
	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	30.00	90.00
9999	Sundries (Carriage of MDF board)	L.S.	1.82	1.73	3.15
	LABOUR				
0112	Carpenter 2nd class	day	0.11	448.00	49.28
0114	Beldar	day	0.06	368.00	22.08
9999	Sundries and screws	L.S.	7.80	1.73	13.49
	TOTAL				719.80
	Add 1 % Water charges				7.20
	TOTAL				727.00
	Add 15 % Contractor's profit and overheads				109.05
	Cost of 0.60 sqm.				836.05
	Cost of 1 sqm.				1393.41
	Say				1393.40

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 confirming to IS:14587	sqm	11.00	430.00	4730.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	1.73	23.39
9999	Sundries and screws	L.S.	26.91	1.73	46.55
	LABOUR				
0112	Carpenter 2nd class	day	1.28	448.00	573.44
0114	Beldar	day	1.43	368.00	526.24
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	10.00	550.00
	TOTAL				6449.62
	Add 1 % Water charges				64.50
	TOTAL				6514.12
	Add 15 % Contractor's profit and overheads				977.12
	Cost of 10.00 sqm.				7491.24
	Cost of 1 sqm.				749.12
	Say				749.10

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 confirming to IS:14587	sqm	11.00	560.00	6160.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	1.73	23.39
9999	Sundries and screws	L.S.	26.91	1.73	46.55
	LABOUR				
0112	Carpenter 2nd class	day	1.28	448.00	573.44
0114	Beldar	day	1.43	368.00	526.24
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	10.00	550.00
	TOTAL				7879.62
	Add 1 % Water charges				78.80
	TOTAL				7958.42
	Add 15 % Contractor's profit and overheads				1193.76
	Cost of 10.00 sqm.				9152.18
	Cost of 1 sqm.				915.21
	Say				915.20

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 confirming to IS:14587	sqm	11.00	860.00	9460.00
9999	Sundries (Carriage of MDF board)	L.S.	13.52	1.73	23.39
9999	Sundries and screws	L.S.	26.91	1.73	46.55
	LABOUR				
0112	Carpenter 2nd class	day	1.28	448.00	573.44
0114	Beldar	day	1.43	368.00	526.24
7048	Rawl plug 50 mm (designation 10 nos)	each	55.00	10.00	550.00
	TOTAL				11179.62
	Add 1 % Water charges				111.80
	TOTAL				11291.42
	Add 15 % Contractor's profit and overheads				1693.71
	Cost of 10.00 sqm.				12985.13
	Cost of 1 sqm.				1298.51
	Say				1298.50

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 Detail 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 confirming to IS:14587	sqm	2.20	860.00	1892.00
9999	Sundries (Carriage of MDF board)	L.S.	26.94	1.73	46.61
	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 Fitting for a door of 2.20 m x1.00 m Total = 2(2.20) = 4.40 metre	metre	6.40	30.00	192.00
0608	Nickel plated bright finished mild steel piano hinges 1 mm thick 25 mm wide	metre	4.40	40.00	176.00
0639	Bright finished or black enameled mild steel screws 25 mm	100 Nos	1.25	37.00	46.25

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0156	LABOUR For fixing shutter and fittings				
	Carpenter (average)	day	0.55	467.00	256.85
0114	Beldar	day	0.55	368.00	202.40
	TOTAL				2812.11
	Add 1 % Water charges				28.12
	TOTAL				2840.23
	Add 15 % Contractor's profit and overheads				426.03
	Cost of 2.20 sqm.				3266.26
	Cost of 1 sqm.				1484.66
	Say				1484.65

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				
	Area 0.20 m x30 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 confirming to IS:14587	sqm	6.60	560.00	3696.00
9999	Sundries (Carriage of MDF board)	L.S.	8.11	1.73	14.03
2489	PVC edge bending tape 2.00 mm thick	metre	30.00	30.00	900.00
7048	Rawl plug 50 mm (designation 10 nos)	each	102.00	10.00	1020.00
9999	Sundries (Labour for drilling hole)	L.S.	130.00	1.73	224.90
	LABOUR				
0112	Carpenter 2nd class	day	0.77	448.00	344.96
0114	Beldar	day	0.86	368.00	316.48
9999	Sundries (screws and sand paper)	L.S.	53.82	1.73	93.11
	TOTAL				6609.48
	Add 1 % Water charges				66.09
	TOTAL				6675.57
	Add 15 % Contractor's profit and overheads				1001.34
	Cost of 6.00 sqm.				7676.91
	Cost of 1 sqm.				1279.48
	Say				1279.50

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 MATERIAL: Area 0.20 m x30 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 confirming to IS:14587	sqm	6.60	860.00	5676.00
9999	Sundries (Carriage of MDF board)	L.S.	8.11	1.73	14.03
2489	PVC edge bending tape 2.00 mm thick	metre	30.00	30.00	900.00
7048	Rawl plug 50 mm (designation 10 nos)	each	102.00	10.00	1020.00
9999	Sundries (Labour for drilling hole)	L.S.	130.00	1.73	224.90
	LABOUR				
0112	Carpenter 2nd class	day	0.77	448.00	344.96
0114	Beldar	day	0.86	368.00	316.48
9999	Sundries (screws and sand paper)	L.S.	53.82	1.73	93.11
	TOTAL				8589.48
	Add 1 % Water charges				85.89
	TOTAL				8675.37
	Add 15 % Contractor's profit and overheads				1301.31
	Cost of 6.00 sqm.				9976.68
	Cost of 1 sqm.				1662.78
	Say				1662.80

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/m²) suitable for mounting 120 min Fire Rated Glazed Door Shutters. The frame shall be filled with Mineral wool Insulation having density min 96Kg/m³ . 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 ₹
8017	Details of cost for 5.81 metre (Door size- 1710 x 2050 mm) MATERIAL: Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	5.81	950.00	5519.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	LABOUR: For fixing in position all complete	L.S.	130.00	1.73	224.90
9999	Sundries and carriage (Fasteners, sims, Hole Plugs etc)	L.S.	250.00	1.73	432.50
	Total				6176.90
	Add water charges @ 1%				188.88
	Total				6365.78
	Add CPOH @ 15%				954.87
	Cost of 5.81 metre				7320.65
	Cost of 1 metre				1260.01
	Say				1260.00

9.162 Providing and fixing 60 mm thick glazed fire resistant door shutters of 120 min Fire Rating confirming 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/m²) duly filled mineral wool insulation having density min 96 kg/m³ 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				
8018	MATERIAL: Fire Rated door shutter made with 1.6 mm thick Sheet (120 minutes), including hinges but without glass panels but including wastages	sqm	3.50	5000.00	17500.00
8101	Stainless steel ball bearing hinges of size 100x89x3mm	each	8.00	300.00	2400.00
	LABOUR: For fixing in position all complete	L.S.	130.00	1.73	224.90
9999	Sundries and carriage	L.S.	280.00	1.73	484.40
	Total				20609.30
	Add water charges @ 1%				206.09
	Total				20815.39
	Add CPOH @ 15%				3122.31
	Cost of 3.5 sqm				23937.70
	Cost of 1 sqm				6839.34
	Say				6839.35

9.163 Providing and fixing non load bearing fixed frame for fire resistant glazed Partition for 120 min 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 min of both integrity & radiation control (EW120) & minimum 15 min of insulation (EI15).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 min 96kg/m³. and 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.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8017	Details of cost for 5.81 metre (Door size- 1710 x 2050 mm) MATERIAL: Fire Rated door Frame made with 1.6 mm thick G.I. Sheet (120 minutes)	metre	5.81	950.00	5519.50
9999	LABOUR: For fixing in position all complete	L.S.	130.00	1.73	224.90
9999	Sundries and carriage (Fasteners, sims, Hole Plugs etc)	L.S.	250.00	1.73	432.50
	Total				6176.90
	Add water charges @ 1%				188.88
	Total				6365.78
	Add CPOH @ 15%				954.87
	Cost of 5.81 metre				7320.65
	Cost of 1 metre				1260.01
	Say				1260.00

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/m²) 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 direction of Engineer-in-charge. The glass shall be clear, toughened, interlayered, non-wired fire resistant having 11 mm thickness of approved brand with 120 minutes of fire resistance both integrity & radiation control (EW120) and minimum 15 min of insulation (EI15) and having a sound reduction of 37dB and LT of 86%. Glass shall be compliant to class 2(B)2 category of Impact Resistance as per EN 12600. The glass should be manufactured in UL & TUV audited Facility and including UL-EU Certification.The maximum glazing size cannot be more than 1100 mm x 2200 mm (w x h) or 2.42 sq mts in total area. The test report for the complete system (Glazed Door or Partition) will be considered valid only if it contains the stamp and signature of the authorized signatory from the glass manufacturer. (Actual glass size is to be measured at site for payments).

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2640	Details of cost for 3.50qm (Door size 1710 mm x 2050 mm) Glazing area- 2x0.679x1.808= 2.46 sqm MATERIAL: Clear, toughened, interlayered, non-wired fire resistant (120 minutes) glass panes 11 mm thick	sqm	2.46	25000.00	61500.00
2641	G.I. U beading of 1.6 mm thick G.I. Sheet with M4x38mm SS screws	metre	9.91	240.00	2378.40
2642	Ceramic tape 5x20 mm size	metre	19.82	400.00	7928.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	LABOUR: For fixing in position all complete	L.S.	180.00	1.73	311.40
9999	Sundries and carriage & Calcium Silicate Blocks	L.S.	10.00	1.73	17.30
	Total				72135.10
	Add water charges @ 1%				721.35
	Total				72856.45
	Add CPOH @ 15%				10928.47
	Cost of 2.46 sqm				83784.92
	Cost of 1 sqm				34058.91
	Say				34058.90

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				
	Stainless steel fancy handles (125mm) for kitchen cabinet	10 Nos	1.00	700.00	700.00
8214	SS screws 20mm	100 Nos.	0.40	100.00	40.00
9999	Carriage of material	LS	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				772.37
	Add Water Charges @ 1%				7.72
	TOTAL				780.09
	Add CPOH @ 15%				117.01
	Cost for 10nos				897.10
	Cost for1 no				89.71
	Say				89.70

9.165.2 100mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten nos (100 mm)				
	MATERIAL				
	Stainless steel fancy handles (100mm) for kitchen cabinet	10 Nos	1.00	500.00	500.00
8214	SS screws 20mm	100 Nos.	0.40	100.00	40.00
9999	Carriage of material	L.S.	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				572.37
	Add Water Charges @ 1%				5.72
	TOTAL				578.09
	Add CPOH @ 15%				86.71
	Cost for 10nos				664.80
	Cost for1 no				66.48
	Say				66.50

9.165.3 75 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for ten nos (75 mm)				
	MATERIAL				
	Stainless steel fancy handles (75mm) for kitchen cabinet	10 Nos	1.00	300.00	300.00
8214	SS screws 20mm	100 Nos.	0.40	100.00	40.00
9999	Carriage of material	LS	1.82	1.73	3.15
	LABOUR				
0111	Carpenter 1st class	day	0.06	487.00	29.22
	TOTAL				372.37
	Add Water Charges @ 1%				3.72
	TOTAL				376.09
	Add CPOH @ 15%				56.41
	Cost for 10nos				432.50
	Cost for 1 no				43.25
	Say				43.25

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	3775.00	3963.75
2205	Carriage of Steel	tonne	0.105	92.24	9.69
	LABOUR				
0116	Fitter (grade 1)	day	0.50	487.00	243.50
0103	Blacksmith 2nd class	day	0.75	448.00	336.00
0114	Beldar	day	1.00	368.00	368.00
	Priming Coat				
13.50.3	Rate as per Item Number 13.50.3 of SH:Finishing	sqm	3.00	29.10	87.30(A)
9999	Sundries	L.S.	20.67	1.73	35.76
	TOTAL				5044.00
	Add 1 % Water charges on all except (A) i.e. on (5044.00 - 87.30) = 4956.70				49.57
	TOTAL				5093.57
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (5093.57 - 87.30) = 5006.27				750.94
	Cost of 1qunital				5844.51
	Cost of 1 Kg.				58.44
	Say				58.45

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 (i) Principal rafter (T-iron) 100x100x10mm @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				
1007	Structurals such as tees,angles channels and R.S. joists	quintal	1.60	3775.00	6040.00
	(ii) Ties (flats) 50x12mm 2x2.7 = 5.4m @4.7kg/m = 25.38kg+ Ties central (flats) 50x10mm 1x2.28 = 2.8m @3.90kg/m = 10.92kg.+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1009	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 Flats exceeding 10 mm in thickness (iii) Gusset plates 10mm thick 1x0.74x0.35m = 0.259sqm.+ shoe 4x0.46x0.46 = 0.845sqm. Total = 1.104 sqm. 1.104sqm.@ 78.4kg/m = 86.55kg. 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 = 180.95kg. Add wastage @ 5% = 9.05kg. Total = 190.00kg or 1.90q	quintal	0.53	3775.00	2000.75
1010	Mild steel plates (iv) 16mm dia. 50mm long rivets = 56 nos.+ Add wastage @ 5 % = 2.8 nos. Total = 58.8 nos.	quintal	1.90	3900.00	7410.00
1020	Mild steel rivets (v) 20mm dia. holding down bolts 4 Nos.x460mm = 1840mm + Add wastage @ 5% = 92mm Total =1932 mm	quintal	0.0684	4500.00	307.80
1221	20 mm dia holding down bolts	quintal	0.0529	5500.00	290.95
2205	Carriage of Steel (0.160+0.053+0.091 +0.099+ 0.007+0.005) =0.415 tonne LABOUR	tonne	0.415	92.24	38.28
0116	Fitter (grade 1)	day	2.70	487.00	1314.90
0103	Blacksmith 2nd class	day	3.60	448.00	1612.80
0139	Skilled Beldar (for floor rubbing etc.)	day	5.40	407.00	2197.80
0114	Beldar	day	3.60	368.00	1324.80
0100	Bandhani Applying priming coat- T.Iron 9.5x0.4 = 3.80sqm.+ Struts 2.70x0.16 = 0.43sqm.+ Ties 5.4x0.124 = 0.67sqm.+ Braces 2x1.84x0.12 = 0.44 sqm.+ Ties 2.8x0.12 = 0.34 sqm. Total = 5.68 sqm.	day	0.44	407.00	179.08

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3	Rate as per item no 13.50.3 of				
	SH : Finishing	sqm	5.68	29.10	165.29(A)
9999	Sundries	L.S.	80.73	1.73	139.66
	TOTAL				23022.11
	Add 1 % Water charges on all except (A)				
	i.e. on (23022.11 - 165.29) = 22856.82				228.57
	TOTAL				23250.68
	Add 15 % Contractor's profit and overheads				
	on all except (A) i.e. on (23250.68				
	- 165.29) = 23085.39				3462.81
	Quantity of net steel (151.95+50.65+				
	180.95+6.5+5.04) = 395.09 kg				
	= 3.95 quintal				
	Cost for 3.95 quintal				26713.49
	Cost of per kg.				67.62
	Say				67.60

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	quintal	0.53	3775.00	2000.75
	and R.S. joists				
	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	quintal	0.13	3775.00	490.75
	and R.S. joists				
	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	3675.00	2205.00
2205	Carriage of Steel	tonne	0.126	92.24	11.62
	(0.053+0.013+0.060=0.126 tonne)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Cost of rivets fixing hooks and washers	L.S.	269.10	1.73	465.54
9999	Cost of locking arrangements and handles	L.S.	67.34	1.73	116.50
4013	Pully 40 mm dia	each	10.00	30.00	300.00
	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 LABOUR	sqm	10.50	29.10	305.55(A)
0116	Fitter (grade 1)	day	3.00	487.00	1461.00
0102	Blacksmith 1st class	day	6.00	487.00	2922.00
0103	Blacksmith 2nd class	day	6.00	448.00	2688.00
0123	Mason (brick layer) 1st class	day	0.50	487.00	243.50
0124	Mason (brick layer) 2nd class	day	0.50	448.00	224.00
0114	Beldar	day	8.00	368.00	2944.00
9999	Sundries	L.S.	161.46	1.73	279.33
	TOTAL				16657.54
	Add 1 % Water charges on all except (A) i.e. on (16657.54 - 305.55) = 16351.99				163.52
	TOTAL				16821.06
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (16821.06 - 305.55) = 16515.51				2477.33
	Cost of 3.6sqm.				19298.39
	Cost per sqm.				5360.66
	Say				5360.65

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 ₹
1013	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 Mild steel sheets for tanks (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.	quintal	0.497	3775.00	1876.18

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1010	0.5910sqm.@23.55kg/sqm.=13.92kg.+ Add wastage @ 10% = 1.39kg Total = 15.31kg. or 0.153q Mild steel plates (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 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	quintal	0.153	3900.00	596.70
1007	Structurals such as tees,angles channels and R.S. joists 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	quintal	1.39	3775.00	5247.25
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.11	3775.00	415.25
2205	Carriage of Steel (0.0497+0.015+0.139+0.11=0.2157 tonne)	tonne	0.216	92.24	19.92
9999	(iv) Pully guide blocks including drilling holes	L.S.	269.10	1.73	465.54
0969	Pully 25 mm dia	each	8.00	55.00	440.00
9999	(vi) Handles and locking arrangements	L.S.	167.75	1.73	290.21
9999	(vii) Bolts and rivets	L.S.	269.10	1.73	465.54
9999	(viii)Cement concrete 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.	L.S.	13.52	1.73	23.39
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	18.00	29.10	523.80(A)
0116	Fitter (grade 1)	day	2.00	487.00	974.00
0102	Blacksmith 1st class	day	3.00	487.00	1461.00
0103	Blacksmith 2nd class	day	4.00	448.00	1792.00
0114	Beldar	day	4.00	368.00	1472.00
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0124	Mason (brick layer) 2nd class	day	0.06	448.00	26.88

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	161.46	1.73	279.33
	TOTAL				16398.21
	Add 1 % Water charges on all except (A) i.e. on (16398.21 - 523.80) = 15874.41				158.74
	TOTAL				16556.95
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (16556.95 - 523.80) = 16033.15				2404.97
	Cost of 5.76 sqm.				18961.92
	Cost per sqm.				3292.00
	Say				3292.00

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 ₹
1013	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 Mild steel sheets for tanks (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	quintal	0.497	3775.00	1876.18
1013	Mild steel sheets for tanks (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	quintal	0.153	3775.00	577.58
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.936	3775.00	3533.40
2205	Carriage of Steel (0.0497+0.0153+0.0936 tonne) = 0.1586 t	tonne	0.1586	92.24	14.63
1036	Iron pintels including welded pin	each	4.00	37.00	148.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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	30.00	60.00
9999	Locking arrangements and handles	L.S.	167.70	1.73	290.12
9999	Rivets	L.S.	269.10	1.73	465.54
	Priming coat- M.S. sheet = 11.52 Angle iron-0.16x24.3 = 3.89 Total = 15.41				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	15.41	29.10	448.43(A)
0116	Fitter (grade 1)	day	2.00	487.00	974.00
0102	Blacksmith 1st class	day	3.00	487.00	1461.00
0103	Blacksmith 2nd class	day	4.00	448.00	1792.00
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0124	Mason (brick layer) 2nd class	day	0.06	448.00	26.88
0114	Beldar	day	5.00	368.00	1840.00
9999	Sundries	L.S.	161.46	1.73	279.33
	TOTAL				14296.31
	Add 1 % Water charges on all except (A) i.e. on (14296.31 - 448.43) = 13847.88				138.48
	TOTAL				14434.79
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (14434.79 - 448.43) = 13986.36				2097.95
	Cost of 5.76 sqm.				16532.74
	Cost per sqm.				2870.26
	Say				2870.25

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	3775.00	1876.18
	(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				
1010	Grand Total = 0.2078 qtl Mild steel plates	quintal	0.2078	3900.00	810.42
	(iii) Angle iron:40x40x6mm @3.5kg/m Sides-4x2.40 = 9.6m+ Top & bottom-4x1.20=4.8m+ Total = 14.40m+				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Add wastage @ 10% = 1.44m Total = 15.84m 15.84m @ 3.5kg. per m. = 55.44kg = 0.554qtl 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. = 18.788kg. = 0.188q	quintal	0.554	3775.00	2091.35
1008	Flats upto 10 mm in thickness Carriage of (i) (ii) and (iv) 0.0497+0.0208+0.0554+0.0188=0.1447 tonne	quintal	0.188	3675.00	690.90
2205	Carriage of Steel	tonne	0.1447	92.24	13.35
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	30.00	60.00
9999	Locking arrangements and handles	L.S.	167.70	1.73	290.12
9999	Rivets	L.S.	269.10	1.73	465.54
13.50.3	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. Rate as per item no 13.50.3 of SH : Finishing LABOUR	sqm	14.70	29.10	427.77(A)
0116	Fitter (grade 1)	day	2.00	487.00	974.00
0102	Blacksmith 1st class	day	3.00	487.00	1461.00
0103	Blacksmith 2nd class	day	4.00	448.00	1792.00
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0124	Mason (brick layer) 2nd class	day	0.06	448.00	26.88
0114	Beldar	day	5.00	368.00	1840.00
9999	Sundries	L.S.	161.46	1.73	279.33
	TOTAL				13756.06
	Add 1 % Water charges on all except (A) i.e. on (13756.06 - 427.77) = 13328.29				133.28
	TOTAL				13889.34
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (13889.34 - 427.77) = 13461.57				2019.24
	Cost of 5.76 sqm.				15908.58
	Cost per sqm.				2761.90
	Say				2761.90

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 3mx2.5m = 7.5sqm.				
	MATERIAL				
0973	Rolling shutter made of 80x1.25 mm machine rolled laths	sqm	7.50	1320.00	9900.00
0974	Top cover for rolling shutters 1.25 mm thick	metre	2.50	886.00	2215.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	350.00	350.00
9977	CARRIAGE	L.S.	53.82	1.73	93.11
	LABOUR				
0116	Fitter (grade 1)	day	2.55	487.00	1241.85
0114	Beldar	day	2.55	368.00	938.40
0123	Mason (brick layer) 1st class	day	0.12	487.00	58.44
0124	Mason (brick layer) 2nd class	day	0.12	448.00	53.76
9999	Sundries	L.S.	60.58	1.73	104.80
	TOTAL				14955.36
	Add 1 % Water charges				149.55
	TOTAL				15104.91
	Add 15 % Contractor's profit and overheads				2265.74
	Cost of 7.5sqm.				17370.65
	Cost per sqm.				2316.08
	Say				2316.10

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 3mx2.5m = 7.5sqm.				
	MATERIAL				
7045	Rolling shutters of 80x1.2 mm laths	sqm	7.50	1100.00	8250.00
7047	Top cover of Rolling shutters 1.20 mm thick	metre	2.50	320.00	800.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	350.00	350.00
9977	CARRIAGE	L.S.	53.82	1.73	93.11
	LABOUR				
0116	Fitter (grade 1)	day	2.55	487.00	1241.85
0114	Beldar	day	2.55	368.00	938.40
0123	Mason (brick layer) 1st class	day	0.12	487.00	58.44
0124	Mason (brick layer) 2nd class	day	0.12	448.00	53.76

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	60.58	1.73	104.80
	TOTAL				11890.36
	Add 1 % Water charges				118.90
	TOTAL				12009.26
	Add 15 % Contractor's profit and overheads				1801.39
	Cost of 7.5sqm.				13810.65
	Cost per sqm.				1841.42
	Say				1841.40

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 3mx2.5m = 7.5sqm.				
	MATERIAL				
7044	Rolling shutters of 80x0.90 mm laths	sqm	7.50	1000.00	7500.00
7046	Top cover of Rolling shutters 0.90 mm thick	metre	2.50	300.00	750.00
0975	27.5 cm long wire spring grade no 2 for rolling shutters	each	1.00	350.00	350.00
9977	CARRIAGE	L.S.	53.82	1.73	93.11
	LABOUR				
0116	Fitter (grade 1)	day	2.55	487.00	1241.85
0114	Beldar	day	2.55	368.00	938.40
0123	Mason (brick layer) 1st class	day	0.12	487.00	58.44
0124	Mason (brick layer) 2nd class	day	0.12	448.00	53.76
9999	Sundries	L.S.	60.58	1.73	104.80
	TOTAL				11090.36
	Add 1 % Water charges				110.90
	TOTAL				11201.26
	Add 15 % Contractor's profit and overheads				1680.19
	Cost of 7.5sqm.				12881.45
	Cost per sqm.				1717.52
	Say				1717.50

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	280.00	280.00
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				326.55
	Add 1 % Water charges				3.27
	TOTAL				329.82
	Add 15 % Contractor's profit and overheads				49.47
	Cost of 1 no.				379.29
	Say				379.30

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 ₹
0977	Details of cost for one sqm. Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 10.00 sq.m and upto 16.80 sq.m area of door	sqm	1.00	600.00	600.00
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				623.39
	Add 1 % Water charges				6.23
	TOTAL				629.62
	Add 15 % Contractor's profit and overheads				94.44
	Cost of 1 sqm.				724.06
	Say				724.05

10.8.2 Exceeding 16.80 sqm in area

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0978	Details of cost for one sqm. Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 16.80 sq.m area of door	sqm	1.00	600.00	600.00
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				623.39
	Add 1 % Water charges				6.23
	TOTAL				629.62
	Add 15 % Contractor's profit and overheads				94.44
	Cost of 1 sqm.				724.06
	Say				724.05

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 ₹
7068	Details of cost for a shutter of width 2.5m and grill height 0.6m Grill Area = 1.50sqm. MATERIAL Extra for providing grilled rolling shutters with 8 mm dia M.S. rod	sqm	1.50	270.00	405.00
	TOTAL				405.00
	Add 1 % Water charges				4.05
	TOTAL				409.05
	Add 15 % Contractor's profit and overheads				61.36
	Cost of 1.5sqm.				470.41
	Cost per sqm.				313.60
	Say				313.60

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 = 0.009 cum				
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.01	5992.75	53.93(A)
	LABOUR				
0102	Blacksmith 1st class	day	0.17	487.00	82.79
0123	Mason (brick layer) 1st class	day	0.08	487.00	38.96
0124	Mason (brick layer) 2nd class	day	0.08	448.00	35.84
0114	Beldar	day	0.50	368.00	184.00
9977	Sundries for carriage of material	L.S.	67.28	1.73	116.39
	TOTAL				511.91
	Add 1 % Water charges on all except (A) i.e. on (511.91 - 53.93) = 457.98				4.58
	TOTAL				516.49
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (516.49 - 53.93) = 462.56				69.38
	Cost of 15 kg				585.87
	Cost per kg				39.05
	Say				39.05

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 (brick layer) 1st class	day	0.17	487.00	82.79
0114	Beldar	day	0.17	368.00	62.56
9977	Sundries for Carriage of material	L.S.	67.28	1.73	116.39
	TOTAL				261.74
	Add 1 % Water charges				2.62
	TOTAL				264.36
	Add 15 % Contractor's profit and overheads				39.65
	Cost of 15 kg				304.01
	Cost per kg				20.26
	Say				20.25

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, including priming coat of approved steel primer, but excluding the cost of other fittings, 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 ₹
1011	Details of cost for a double leaf door of size 2.075x1.175m = 2.44 sqm. (weight 30 kg). MATERIAL Steel glazed door,window/ ventilator, all members like as F7D, F4B, K11 and K12B etc.	kg	30.00	48.00	1440.00
9977	Carriage of Steel Door Labour for fabrication	L.S.	40.37	1.73	69.84
0103	Blacksmith 2nd class	day	0.17	448.00	76.16
0116	Fitter (grade 1)	day	0.26	487.00	126.62
0114	Beldar	day	0.34	368.00	125.12
9999	Sundries	L.S.	15.37	1.73	26.59
10.10.1	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 including metal sash putty for glass fixing Rate as per Item No.10.10.1	kg	30.00	39.05	1171.50(A)
13.50.3	Apply steel primer (2.44x1.00 for both sides)=2.44 sqm Rate as per item no 13.50.3 of SH : Finishing	sqm	2.44	29.10	71.00(A)
	TOTAL				3106.83
	Add 1 % Water charges on all except (A) i.e. on (3106.83 - 1242.50) = 1864.33				18.64
	TOTAL				3125.47
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (3125.47 - 1242.50) = 1882.97				282.45
	Cost for 30 kg.				3407.92
	Cost of 1 kg.				113.59
	Say				113.60

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 a double leaf door of size 2.075x1.175m = 2.44 sqm. (weight 30 kg).				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1011	MATERIAL Steel glazed door,window/ ventilator, all members like as F7D, F4B, K11 and K12B etc.	kg	30.00	48.00	1440.00
9977	Carriage of Steel Door	L.S.	40.37	1.73	69.84
	Labour for fabrication				
0103	Blacksmith 2nd class	day	0.17	448.00	76.16
0116	Fitter (grade 1)	day	0.26	487.00	126.62
0114	Beldar	day	0.34	368.00	125.12
9999	Sundries	L.S.	15.37	1.73	26.59
	Labour for fixing				
0114	Beldar	day	0.027	368.00	9.94
0015	Collie	day	0.0195	368.00	7.18
0130	Mistry	day	0.0084	487.00	4.09
0128	Mate	day	0.0012	407.00	0.49
9999	Hire charges of drill machine, scaffolding and sundries	L.S.	12.22	1.73	21.14
	Apply steel primer (2.44x1.00 for both sides)=2.44 sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.44	29.10	71.00(A)
	TOTAL				1978.16
	Add 1 % Water charges on all except (A) i.e. on (1978.16 - 71.00) = 1907.16				19.07
	TOTAL				1997.23
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1997.23 - 71.00) = 1926.23				288.93
	Cost for 30 kg.				2525.35
	Cost of 1 kg.				84.18
	Say				84.20

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 ₹
1143	Detail of cost for 1 metre beading for doors, windows, Ventilators and composit units 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	1.73	0.80
9999	Fixing charges	L.S.	3.01	1.73	5.21
	TOTAL				33.01
	Add 1 % Water charges				0.33
	TOTAL				33.34
	Add 15 % Contractor's profit and overheads				5.00
	Cost of 1 metre				38.34
	Say				38.35

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 ₹
1007	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 quintal Structurals such as tees,angles channels and R.S. joists	quintal	0.18	3775.00	679.50
1002	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 quintal Mild steel round bar 12 mm dia and below 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.	quintal	0.006	3675.00	22.05
1008	Flats upto 10 mm in thickness Cement concrete block 1:3:6- 6x15x10x10cm= 0.009 cum	quintal	0.002	3675.00	7.35
4.2.5	Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	5992.75	53.93(A)
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	For screws and nuts and bolts	L.S.	35.88	1.73	62.07
9999	For applying steel primer	L.S.	17.94	1.73	31.04
9977	Carriage of material	L.S.	5.33	1.73	9.22
	LABOUR				
0103	Blacksmith 2nd class	day	0.10	448.00	44.80
0116	Fitter (grade 1)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	8.97	1.73	15.52
	TOTAL				1123.13
	Add 1 % Water charges on all except (A) i.e. on (1123.13 - 53.93) = 1069.20				10.69
	TOTAL				1133.82
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1133.82 - 53.93) = 1079.89				161.98
	Cost for 17.5Kg.				1295.80
	Cost for 1 Kg.				74.04
	Say				74.05

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 ₹
1007	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 quintal Structurals such as tees,angles channels and R.S. joists	quintal	0.18	3775.00	679.50
1002	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 quintal	quintal	0.006	3675.00	22.05
0595	Mild steel round bar 12 mm dia and below	10 Nos	0.60	85.00	51.00
9999	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	L.S.	35.88	1.73	62.07
9999	For screws and nuts and bolts	L.S.	17.94	1.73	31.04
9977	For applying steel primer	L.S.	5.33	1.73	9.22
	Carriage of material				
	LABOUR				
0103	Blacksmith 2nd class	day	0.10	448.00	44.80
0116	Fitter (grade 1)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	8.97	1.73	15.52
	TOTAL				1061.85
	Add 1 % Water charges				10.62
	TOTAL				1072.47
	Add 15 % Contractor's profit and overheads				160.87
	Cost for 17.5Kg.				1233.34
	Cost for 1 Kg.				70.47
	Say				70.45

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 ₹
4006	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "B" frame =2+2+1m=5m	metre	5.00	200.00	1000.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	1.73	62.07
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	3775.00	113.25
9977	Carriage of material LABOUR	L.S.	5.33	1.73	9.22
0116	Fitter (grade 1)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	8.97	1.73	15.52
13.50.3	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	29.10	78.28(A)
	TOTAL				1475.99
	Add 1 % Water charges on all except (A) i.e. on (1475.99 - 78.28) = 1397.71				13.98
	TOTAL				1489.97
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1489.97 - 78.28) = 1411.69				211.75
	Cost for 5 metres				1701.72
	Cost for 1 metre				340.34
	Say				340.35

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 ₹
4006	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "B" frame =2+2+1m=5m	metre	5.00	200.00	1000.00
9999	Deduct sundries for not providing adjustable lugs	L.S.	-20.00	1.73	-34.60
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	1.73	62.07
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	3775.00	113.25
9977	Carriage of material LABOUR	L.S.	5.33	1.73	9.22
0116	Fitter (grade 1)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	8.97	1.73	15.52
13.50.3	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm				
	Rate as per item no 13.50.3 of				
	SH : Finishing	sqm	2.69	29.10	78.28(A)
	TOTAL				1441.39
	Add 1 % Water charges on all except (A)				
	i.e. on (1441.39 - 78.28) = 1363.11				13.63
	TOTAL				1455.02
	Add 15 % Contractor's profit and overheads				
	on all except (A) i.e. on (1455.02				
	- 78.28) = 1376.74				206.51
	Cost for 5 metres				1661.53
	Cost for 1metre				332.30
	Say				332.30

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 ₹
4007	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "C" 2+2+1m=5m	metre	5.00	220.00	1100.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	1.73	62.07
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	3775.00	113.25
9977	Carriage of material	L.S.	5.33	1.73	9.22
	LABOUR				
0116	Fitter (grade 1)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	8.97	1.73	15.52
13.50.3	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm				
	Rate as per item no 13.50.3 of				
	SH : Finishing	sqm	2.69	29.10	78.28(A)
	TOTAL				1575.99
	Add 1 % Water charges on all except (A)				
	i.e. on (1575.99 - 78.28) = 1497.71				14.98
	TOTAL				1590.97
	Add 15 % Contractor's profit and overheads				
	on all except (A) i.e. on (1590.97				
	- 78.28) = 1512.69				226.90
	Cost for 5 metres				1817.87
	Cost for 1 metre				363.57
	Say				363.55

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 ₹
4007	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "C" 2+2+1m=5m	metre	5.00	220.00	1100.00
9999	Sundries for not providing adjustable lugs(-)	L.S.	-20.00	1.73	-34.60
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	1.73	62.07
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	3775.00	113.25
9977	Carriage of material LABOUR	L.S.	5.33	1.73	9.22
0116	Fitter (grade 1)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	8.97	1.73	15.52
13.50.3	Steel primer 500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	29.10	78.28(A)
	TOTAL				1541.39
	Add 1 % Water charges on all except (A) i.e. on (1541.39 - 78.28) = 1463.11				14.63
	TOTAL				1556.02
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1556.02 - 78.28) = 1477.74				221.66
	Cost for 5 metres				1777.68
	Cost for 1 metre				355.53
	Say				355.55

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 ₹
4008	Details of cost for 5 metre MATERIAL Pressed steel door frames (mild steel sheet 1.60mm) Profile "E" 2+2+1m=5m	metre	5.00	250.00	1250.00
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	Screws, nuts and bolts 50x25x5mm. M.S. Angle for threshold 1 metre @ 2.75kg per uds =2.75kg. Say 0.03q	L.S.	35.88	1.73	62.07

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.03	3775.00	113.25
9977	Carriage of material	L.S.	5.33	1.73	9.22
	LABOUR				
0116	Fitter (grade 1)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	8.97	1.73	15.52
	Steel primer				
13.50.3	500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm				
	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.69	29.10	78.28(A)
	TOTAL				1725.99
	Add 1 % Water charges on all except (A) i.e. on (1725.99 - 78.28) = 1647.71				16.48
	TOTAL				1742.47
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1742.47 - 78.28) = 1664.19				249.63
	Cost for 5 metres				1992.10
	Cost for 1 metre				398.42
	Say				398.40

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	250.00	1250.00
	2+2+1m=5m				
9999	Sundries for not providing adjustable lugs (-)	L.S.	-20.00	1.73	-34.60
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	Screws, nuts and bolts	L.S.	35.88	1.73	62.07
	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	3775.00	113.25
9977	Carriage of material	L.S.	5.33	1.73	9.22
	LABOUR				
0116	Fitter (grade 1)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	8.97	1.73	15.52
	Steel primer				
	500x2(2x1.2+2x6.0+1x12.50cm)=2.69sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
13.50.3	Rate as per item no 13.50.3 of SH : Finishing TOTAL Add 1 % Water charges on all except (A) i.e. on (1691.39 - 78.28) = 1613.11 TOTAL Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1707.52 - 78.28) = 1629.24 Cost for 5 metres Cost for 1 metre Say	sqm	2.69	29.10	78.28(A) 1691.39 16.13 1707.52 244.39 1951.91 390.38 390.40

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 ₹
4011	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 = 0.1136x5.00x 0.0016 = 0.0009088 sqm Weight of Sheet = 0.0009088x7850 = 7.134 kg Add wastage @ 5% = 0.357Kg. Total = 7.491 kg Say 7.49 kg	kilogram	7.49	60.00	449.40
1002	Mild steel tubes electric resistant or inductionbutt welded 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 quintal	quintal	0.006	3675.00	22.05
1008	Mild steel round bar 12 mm dia and below 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	quintal	0.002	3675.00	7.35
4.2.5	Flats upto 10 mm in thickness Cement concrete block 1:3:6- 6x15x 10x10cm= 0.009 cum Rate as per item no 4.2.5 of SH : Concrete work	cum	0.009	5992.75	53.93(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	For screws and nuts and bolts	L.S.	35.88	1.73	62.07
9999	For applying steel primer	L.S.	17.94	1.73	31.04
9977	Carriage of material	L.S.	5.33	1.73	9.22
	LABOUR				
0103	Blacksmith 2nd class	day	0.04	448.00	17.92
0116	Fitter (grade 1)	day	0.06	487.00	29.22
0114	Beldar	day	0.08	368.00	29.44
9999	Sundries	L.S.	3.64	1.73	6.30
	TOTAL				768.94
	Add 1 % Water charges on all except (A) i.e. on (768.94 - 53.93) = 715.01				7.15
	TOTAL				776.09
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (776.09 - 53.93) = 722.16				108.32
	Cost for 7.13Kg.				884.41
	Cost for 1 Kg.				124.04
	Say				124.05

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 inductionbutt welded	kilogram	7.49	60.00	449.40
	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 quintal				
1002	Mild steel round bar 12 mm dia and below	quintal	0.006	3675.00	22.05
0595	Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm	10 Nos	0.60	85.00	51.00
9999	For screws and nuts and bolts	L.S.	35.88	1.73	62.07
9999	For applying steel primer	L.S.	17.94	1.73	31.04
9977	Carriage of material	L.S.	5.33	1.73	9.22
	LABOUR				
0103	Blacksmith 2nd class	day	0.04	448.00	17.92
0116	Fitter (grade 1)	day	0.06	487.00	29.22
0114	Beldar	day	0.08	368.00	29.44

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	3.64	1.73	6.30
	TOTAL				707.66
	Add 1 % Water charges				7.08
	TOTAL				714.74
	Add 15 % Contractor's profit and overheads				107.21
	Cost for 7.13Kg.				821.95
	Cost for 1 Kg.				115.28
	Say				115.30

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	kilogram	125.00	42.00	5250.00
2205	Carriage of Steel	tonne	0.125	92.24	11.53
	Priming coat 50mm dia. tube 16.60x0.157m = 1.61sqm. 40mm dia. tube 9.50x0.125m = 1.91 sqm. Total = 2.80 sqm.				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.80	29.10	81.48(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	2.00	714.00
	LABOUR For cutting, assembling & erection				
0102	Blacksmith 1st class	day	1.50	487.00	730.50
0100	Bandhani	day	0.75	407.00	305.25
0114	Beldar	day	5.50	368.00	2024.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	80.73	1.73	139.66
	TOTAL				9256.42
	Add 1 % Water charges on all except (A) i.e. on (9256.42 - 81.48) = 9174.94				91.75
	TOTAL				9348.17
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9348.17 - 81.48) = 9266.69				1390.00
	Cost for 119 Kg.				10738.17
	Cost for 1 Kg.				90.23
	Say				90.25

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	kilogram	125.00	45.00	5625.00
2205	Carriage of Steel	tonne	0.125	92.24	11.53
	Priming coat 50mm dia. tube 16.60x0.157 m = 1.61 sqm. 40mm dia. tube 9.50x 10125m = 1.91 sqm. =2.80 sqm.				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	2.80	29.10	81.48(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	2.00	714.00
	LABOUR				
0102	Blacksmith 1st class	day	1.50	487.00	730.50
0100	Bandhani	day	0.75	407.00	305.25
0114	Beldar	day	5.50	368.00	2024.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	80.73	1.73	139.66
	Total				9631.42
	Add 1 % Water charges on all except (A) i.e. on (9631.42 - 81.48) = 9549.94				95.50
	Total				9726.92
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9726.92 - 81.48) = 9645.44				1446.82
	Cost for 119 kg				11173.74
	Cost for 1 kg				93.89
	Say				93.90

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 inductionbutt welded	kilogram	125.00	60.00	7500.00
2205	Carriage of Steel Priming coat 50mm dia. tube 16.60x0.157m = 1.61sqm. 40mm dia. tube 9.50x0.125m = 1.91 sqm. Total = 2.80 sqm.	tonne	0.125	92.24	11.53
13.50.3	Rate as per item no 13.50.3 of SH : Finishing 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	sqm	2.80	29.10	81.48(A)
1215	Welding by electric plant LABOUR	cm	357.00	2.00	714.00
0102	Blacksmith 1st class	day	1.50	487.00	730.50
0100	Bandhani	day	0.75	407.00	305.25
0114	Beldar	day	5.50	368.00	2024.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	80.73	1.73	139.66
	TOTAL				11506.42
	Add 1 % Water charges on all except (A) i.e. on (11506.42 - 81.48) = 11424.94				114.25
	TOTAL				11620.67
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (11620.67 - 81.48) = 11539.19				1730.88
	Cost for 119 Kg.				13351.55
	Cost for 1 Kg.				112.19
	Say				112.20

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	3575.00	60.78
	LABOUR				
0103	Blacksmith 2nd class	day	0.04	448.00	17.92
0114	Beldar	day	0.04	368.00	14.72
9988	Sundries (Carriage, fixing and painting etc.)	L.S.	1.82	1.73	3.15
	TOTAL				96.57
	Add 1 % Water charges				0.97
	TOTAL				97.54
	Add 15 % Contractor's profit and overheads				14.63
	Cost for 1 clamp				112.17
	Say				112.15

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 ₹
4012	Details of cost of one box clamp				
	MATERIAL				
	Circular C.I. Box for ceiling fan				
	12mm dia. M.S. bar 80cm @ 0.9kg/m = 0.72kg+				
	Add wastage @ 5% = 0.036				
	Total = 0.756 kg. Say 0.008 q				
		each	1.00	55.00	55.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1002	Mild steel round bar 12 mm dia and below LABOUR	quintal	0.008	3675.00	29.40
0103	Blacksmith 2nd class	day	0.03	448.00	13.44
0114	Beldar	day	0.03	368.00	11.04
9988	Sundries (Carriage, fixing and painting etc.)	L.S.	1.82	1.73	3.15
	TOTAL				112.03
	Add 1 % Water charges				1.12
	TOTAL				113.15
	Add 15 % Contractor's profit and overheads				16.97
	Cost for 1 box clamp				130.12
	Say				130.10

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. MATERIAL l .2m @ 1.58kg/m = 1.895 kg = 0.019q				
1035	Bolts and nuts above 300 mm in length Plate-100x100x6mm @ 47kg/sqm. Wt. = 0.47kg. = 0.005q	quintal	0.019	5250.00	99.75
1010	Mild steel plates LABOUR	quintal	0.005	3900.00	19.50
0103	Blacksmith 2nd class	day	0.03	448.00	13.44
9988	Carriage and labour for fixing	L.S.	4.55	1.73	7.87
	TOTAL				140.56
	Add 1 % Water charges				1.41
	TOTAL				141.97
	Add 15 % Contractor's profit and overheads				21.30
	Cost of 0.024q				163.27
	Cost of 1 kg.				68.02
	Say				68.00

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	5100.00	510.00
2205	Carriage of Steel LABOUR	tonne	0.01	92.24	0.92
0103	Blacksmith 2nd class	day	0.38	448.00	170.24
0114	Beldar	day	0.38	368.00	139.84
9999	Sundries	L.S.	4.55	1.73	7.87
	TOTAL				828.87
	Add 1 % Water charges				8.29
	TOTAL				837.16
	Add 15 % Contractor's profit and overheads				125.57
	Cost of 0.10q				962.73
	Cost of 1 kg.				96.27
	Say				96.25

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	4500.00	450.00
2205	Carriage of Steel	tonne	0.01	92.24	0.92
	LABOUR				
0116	Fitter (grade 1)	day	0.83	487.00	404.21
0139	Skilled Beldar (for floor rubbing etc.)	day	0.83	407.00	337.81
9999	Sundries	L.S.	10.79	1.73	18.67
	TOTAL				1211.61
	Add 1 % Water charges				12.12
	TOTAL				1223.73
	Add 15 % Contractor's profit and overheads				183.56
	Cost of 0.10q				1407.29
	Cost of 1 kg.				140.72
	Say				140.70

10.22 Welding by gas or electric plant including transportation of plant at site etc. complete.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1214	Details of cost for one cm. 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	1.73	0.45
	TOTAL				2.45
	Add 1 % Water charges				0.02
	TOTAL				2.47
	Add 15 % Contractor's profit and overheads				0.37
	Cost of 1cm.				2.84
	Say				2.85

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 ₹
	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 $4 \times 12.69 \times 5.6 = 284.25$ Kg. Add wastage @ 5% = 14.21 Kg. Total = 298.46kg. Say 2.985q				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	(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 Structurals such as tees,angles channels and R.S. joists	quintal	3.161	3775.00	11932.78
1010	(iii) plate for tread 8mm thick 14x7.5 = 105.00kg+ Add wastage @ 5% = 5.25kg. Total = 110.25kg. Say 1.103q Mild steel plates	quintal	1.103	3900.00	4301.70
1549	(iv) G.I. pipe for rolling 40mm 2x12.69m = 25.38m+ Add wastage @ 5% = 1.27m Total = 26.65m G.I. pipes 40 mm dia	metre	26.65	185.00	4930.25
1003	(v) M.S. round bars 16mm dia. 15x0.75x2x1.58 = 35.55kg.+ Add wastage @ 5% = 1.78kg. Total = 37.33 Kg. Say 0.373q Mild steel round bar above 12 mm dia	quintal	0.373	3575.00	1333.48
2205	Carriage of Steel (3.161 + 1.103+0.373)=4.637q = 0.4637 tonne	tonne	0.4637	92.24	42.77
2271	Carriage of G.I. pipes below 100 mm dia approx. wt. 3.72x26.65=99.14kg = 0.0991q.	tonne	0.0991	92.24	9.14
1215	Welding by electric plant 23.20 m = 2320cm LABOUR	cm	2320.00	2.00	4640.00
0102	Blacksmith 1st class	day	1.85	487.00	900.95
0114	Beldar	day	1.25	368.00	460.00
0100	Bandhani	day	0.60	407.00	244.20
13.50.3	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 Rate as per item no 13.50.3 of SH : Finishing	sqm	48.29	29.10	1405.24(A)
9999	Sundries	L.S.	110.89	1.73	191.84
	TOTAL				30392.35
	Add 1 % Water charges on all except (A) i.e. on (30392.35 - 1405.24) = 28987.11				289.87
	TOTAL				30682.22
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (30682.22 - 1405.24) = 29276.98				4391.55
	Cost of 5.331 quintal				35073.77
	Cost per kg.				65.79
	Say				65.80

10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1008	Details of 1mx1m framed guard bar grating. 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. Flats upto 10 mm in thickness	quintal	0.145	3675.00	532.88
1002	(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	quintal	0.084	3675.00	308.70
2205	Mild steel round bar 12 mm dia and below	tonne	0.0229	92.24	2.11
1215	Carriage of Steel	cm	60.00	2.00	120.00
	Welding by electric plant 60 cm				
	LABOUR				
0102	Blacksmith 1st class	day	0.70	487.00	340.90
0114	Beldar	day	0.50	368.00	184.00
0100	Bandhani	day	0.25	407.00	101.75
13.50.3	Applying priming coat 0.6 sqm. Rate as per item no 13.50.3 of SH : Finishing	sqm	0.60	29.10	17.46(A)
9999	Sundries	L.S.	4.55	1.73	7.87
	TOTAL				1615.67
	Add 1 % Water charges on all except (A) i.e. on (1615.67 - 17.46) = 1598.21				15.98
	TOTAL				1631.65
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1631.65 - 17.46) = 1614.19				242.13
	Cost of 0.218 quintal				1873.78
	Cost per kg				85.95
	Say				85.95

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 ₹
4009	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 @ 3.6kg/m= 19.49kg Add wastage @ 5% = 0.97 kg Total = 20.46 kg Mild steel tubes hot finished welded type	kilogram	20.46	42.00	859.32

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2205	Carriage of Steel 20.46kg = 0.205q	tonne	0.0205	92.24	1.89
13.50.3	Priming coat 40mm dia.Tube 5.4x22/7x0.0483 = 0.82 sqm Rate as per item no 13.50.3 of				
	SH : Finishing	sqm	0.82	29.10	23.86(A)
1215	Welding by electric plant (joints of hand rail and ballustards) 18x4x1.00 = 72cm	cm	72.00	2.00	144.00
	Labour for cutting assembling & erection LABOUR				
0102	Blacksmith 1st class	day	0.24	487.00	116.88
0114	Beldar	day	0.90	368.00	331.20
0100	Bandhani	day	0.12	407.00	48.84
9999	Sundries	L.S.	12.48	1.73	21.59
	TOTAL				1547.58
	Add 1 % Water charges on all except (A) i.e. on (1547.58 - 23.86) = 1523.72				15.24
	TOTAL				1562.82
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1562.82 - 23.86) = 1538.96				230.84
	Cost of 19.49 Kg.				1793.66
	Cost per 1 kg.				92.02
	Say				92.00

10.26.2 E.R.W. tubes

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 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 inductionbutt welded	kilogram	18.59	60.00	1115.40
2205	Carriage of Steel 18.59kg = 0.0186q	tonne	0.0186	92.24	1.72
	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	0.82	29.10	23.86(A)
1215	Welding by electric plant (joints of hand rail and ballustards) 18x4x1.00 = 72cm	cm	72.00	2.00	144.00
	Labour for cutting assembling & erection LABOUR				
0102	Blacksmith 1st class	day	0.24	487.00	116.88
0114	Beldar	day	0.90	368.00	331.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0100	Bandhani	day	0.12	407.00	48.84
9999	Sundries	L.S.	12.48	1.73	21.59
	TOTAL				1803.49
	Add 1 % Water charges on all except (A) i.e. on (1803.49 - 23.86) = 1779.63				17.80
	TOTAL				1821.29
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1821.29 - 23.86) = 1797.43				269.61
	Cost of 17.71 Kg.				2090.90
	Cost per 1 kg.				118.06
	Say				118.05

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				
	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	5.67	185.00	1048.95
2271	Carriage of G.I. pipes below 100 mm dia (5.67m @ 3.72 kg/m = 21.09kg)	tonne	0.0211	92.24	1.95
	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	0.82	29.10	23.86(A)
1215	Welding by electric plant (joints of hand rail and ballustards) 18x4x1.00 = 72cm	cm	72.00	2.00	144.00
	LABOUR				
	Labour for cutting assembling & erection				
0102	Blacksmith 1st class	day	0.24	487.00	116.88
0114	Beldar	day	0.90	368.00	331.20
0100	Bandhani	day	0.12	407.00	48.84
9999	Sundries	L.S.	12.48	1.73	21.59
	TOTAL				1737.27
	Add 1 % Water charges on all except (A) i.e. on (1737.27 - 23.86) = 1713.41				17.13
	TOTAL				1754.40
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1754.40 - 23.86) = 1730.54				259.58
	Cost of 20.09 Kg.				2013.98
	Cost per 1 kg.				100.24
	Say				100.25

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 m 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 ₹
2506	Details of cost for 10 nos. MATERIAL 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 sleeve. Size 10mm x 60mm	10 nos	1.00	260.00	260.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.40	368.00	147.20
9977	Sundries for carriage of material	L.S.	10.00	1.73	17.30
	TOTAL				603.70
	Add 1 % Water charges				6.04
	TOTAL				609.74
	Add 15 % Contractor's profit and overheads				91.46
	Cost of 10 Nos.				701.20
	Cost of 1 no				70.12
	Say				70.10

10.27.2 10 x 80 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2507	Details of cost for 10 nos. MATERIAL 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 sleeve. Size 10mm x 80mm	10 nos	1.00	300.00	300.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.40	368.00	147.20
9977	Sundries for carriage of material	L.S.	10.00	1.73	17.30
	TOTAL				643.70
	Add 1 % Water charges				6.44
	TOTAL				650.14
	Add 15 % Contractor's profit and overheads				97.52
	Cost of 10 Nos.				747.66
	Cost of 1 no				74.76
	Say				74.75

10.27.3 10 x 120 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2508	Details of cost for 10 nos. MATERIAL 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 sleeve. Size 10mm x 120mm	10 nos	1.00	365.00	365.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.50	448.00	224.00
0114	Beldar	day	0.50	368.00	184.00
9977	Sundries for carriage of material	L.S.	10.00	1.73	17.30
	TOTAL				790.30
	Add 1 % Water charges				7.90
	TOTAL				798.20
	Add 15 % Contractor's profit and overheads				119.73
	Cost of 10 Nos.				917.93
	Cost of 1 no				91.79
	Say				91.80

10.27.4 10 x 140 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2509	Details of cost for 10 nos. MATERIAL 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 sleeve. Size 10mm x 140mm	10 nos	1.00	460.00	460.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.50	448.00	224.00
0114	Beldar	day	0.50	368.00	184.00
9977	Sundries for carriage of material	L.S.	10.00	1.73	17.30
	TOTAL				885.30
	Add 1 % Water charges				8.85
	TOTAL				894.15
	Add 15 % Contractor's profit and overheads				134.12
	Cost of 10 Nos.				1028.27
	Cost of 1 no				102.82
	Say				102.80

10.27.5 10 x 160 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2510	Details of cost for 10 nos. MATERIAL 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 sleeve. Size 10mm x 160mm	10 nos	1.00	575.00	575.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.60	448.00	268.80
0114	Beldar	day	0.60	368.00	220.80
9977	Sundries for Carriage of material	L.S.	10.00	1.73	17.30
	TOTAL				1081.90
	Add 1 % Water charges				10.82
	TOTAL				1092.72
	Add 15 % Contractor's profit and overheads				163.91
	Cost of 10 Nos.				1256.63
	Cost of 1 no				125.66
	Say				125.65

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	230.00	483.00
4002	Stainless steel bolts/square bar and plates	kg	1.00	120.00	120.00
	LABOUR				
	for fabrication, assembling, erection, welding, curvating, grinding, buffing etc.				
0102	Blacksmith 1st class	day	0.06	487.00	29.22
0114	Beldar	day	0.20	368.00	73.60
0100	Bandhani	day	0.02	407.00	8.14
9999	Welding of stainless steel section	L.S.	30.00	1.73	51.90
9999	Curvating, grinding, finishing, buffing	L.S.	20.00	1.73	34.60
9999	Sundries for making good wall and floors	L.S.	7.50	1.73	12.98
	TOTAL				813.44
	Add 1 % Water charges				8.13
	TOTAL				821.57
	Add 15 % Contractor's profit and overheads				123.24
	Cost of 2 kg				944.81
	Cost of 1 kg.				472.40
	Say				472.40

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 a window shutter 1.40x1.10=1.54 sqm MATERIAL Wire gauze 1.40x1.10=1.54 sqm Add wastage @ 10 %=0.15 sqm 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 M.S. Flat 15x3=2x(1.40+1.10)=5.0 metre Add wastage @ 5%=0.25 m Total=5.25 m 5.25@0.35kg/m=1.84 kg	L.S.	1.82	1.73	3.15
1008	Flats upto 10 mm in thickness	quintal	0.0184	3675.00	67.62
9977	CARRIAGE	L.S.	1.82	1.73	3.15
	LABOUR				
0103	Blacksmith 2nd class	day	0.17	448.00	76.16
0112	Carpenter 2nd class	day	0.17	448.00	76.16
0114	Beldar	day	0.06	368.00	22.08
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				721.90
	Add 1 % Water charges				7.22
	TOTAL				729.12
	Add 15 % Contractor's profit and overheads				109.37
	Cost of 1.54 sqm.				838.49
	Cost of 1 sqm.				544.47
	Say				544.45

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 a window shutter 1.40x1.10=1.54 sqm MATERIAL Wire gauze 1.40x1.10=1.54 sqm Add wastage @ 10 %=0.15 sqm Total=1.69 sqm				
8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire	sqm	1.69	650.00	1098.50
9977	CARRIAGE M.S. Flat 15x3=2x(1.40+1.10)=5.0 metre Add wastage @ 5%=0.25 m Total=5.25 m 5.25@0.35kg/m=1.84 kg	L.S.	1.82	1.73	3.15
1008	Flats upto 10 mm in thickness	quintal	0.0184	3675.00	67.62
9977	CARRIAGE	L.S.	1.82	1.73	3.15

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0103	Blacksmith 2nd class	day	0.17	448.00	76.16
0112	Carpenter 2nd class	day	0.17	448.00	76.16
0114	Beldar	day	0.06	368.00	22.08
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				1381.00
	Add 1 % Water charges				13.81
	TOTAL				1394.81
	Add 15 % Contractor's profit and overheads				209.22
	Cost of 1.54 sqm.				1604.03
	Cost of 1 sqm.				1041.57
	Say				1041.55

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	286.00	314.60
9977	CARRIAGE	L.S.	1.82	1.73	3.15
	LABOUR				
0119	Glazier	day	0.13	448.00	58.24
9999	Sundries, putty, glazing clips, scaffolding etc.	L.S.	125.58	1.73	217.25
	TOTAL				593.24
	Add 1 % Water charges				5.93
	TOTAL				599.17
	Add 15 % Contractor's profit and overheads				89.88
	Total				689.05
	Cost of 1.0 sqm				689.05
	Say				689.05

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	490.00	539.00
9977	CARRIAGE	L.S.	1.82	1.73	3.15

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0119	LABOUR				
	Glazier	day	0.13	448.00	58.24
9999	Sundries, putty, glazing clips, scaffolding etc.	L.S.	125.58	1.73	217.25
	TOTAL				817.64
	Add 1 % Water charges				8.18
	TOTAL				825.82
	Add 15 % Contractor's profit and overheads				123.87
	Total				949.69
	Cost of 1.0 sqm				949.69
	Say				949.70

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	0.18	3775.00	679.50
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 0.0037				
	Quintal				
1002	M.S. Bars 10mm =1x1 m = 1Metre 1 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	3675.00	22.05
9999	For applying steel primer	L.S.	17.94	1.73	31.04
9999	Carriage of material	L.S.	5.33	1.73	9.22
1215	Welding by electric plant	cm	16.00	2.00	32.00
	LABOUR				
0103	Blacksmith 2nd Class	day	0.10	448.00	44.80
0116	Fitter (Grade-I)	day	0.15	487.00	73.05
0114	Beldar	day	0.20	368.00	73.60
9999	Sundries	L.S.	8.97	1.73	15.52
	TOTAL				994.38
	Add Water Charges @ 1%				9.94
	TOTAL				1004.32
	Add CPOH @ 15%				150.65
	Cost for 17.50 kg				1154.97
	Rate per kg				66.00
	Say				66.00

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	4500.00	2542.50
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.34
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.434	3970.50	1723.20
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.02	92.24	1.84
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.08	448.00	483.84
0114	Beldar	day	0.25	368.00	92.00
0115	Coolie	day	1.62	368.00	596.16
0101	Bhisti	day	0.27	407.00	109.89
	TOTAL				5819.77
	Add 1 % Water charges				58.20
	TOTAL				5877.97
	Add 15 % Contractor's profit and overheads				881.70
	Cost of 10 sqm.				6759.67
	Cost of 1 sqm.				675.96
	Say				675.95

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	4500.00	2542.50
2201	Carriage of Bricks	1000 Nos	0.565	276.72	156.34
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
3.11	Rate as per Item Number 3.11 of SH: Mortars	cum	0.434	3217.50	1396.40
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.02	92.24	1.84
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.08	448.00	483.84
0114	Beldar	day	0.25	368.00	92.00
0115	Coolie	day	1.62	368.00	596.16
0101	Bhisti	day	0.27	407.00	109.89
	TOTAL				5492.97
	Add 1 % Water charges				54.93
	TOTAL				5547.90
	Add 15 % Contractor's profit and overheads				832.19
	Cost of 10 sqm.				6380.09
	Cost of 1 sqm.				638.00
	Say				638.00

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	4500.00	2902.50
2201	Carriage of Bricks	1000 Nos	0.645	276.72	178.48
0983	Fine sand (zone IV)	cum	0.15	760.00	114.00
2261	Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand)	cum	0.15	103.77	15.57
	Mud Mortar				
3.18	Rate as per Item Number 3.18 of SH: Mortars	cum	0.15	533.20	79.98
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.9	448.00	403.20
0115	Coolie	day	1.98	368.00	728.64
0101	Bhisti	day	0.05	407.00	20.35
	TOTAL				4442.72
	Add 1 % Water charges				44.43
	TOTAL				4487.15
	Add 15 % Contractor's profit and overheads				673.07
	Cost of 10 sqm.				5160.22
	Cost of 1 sqm.				516.02
	Say				516.00

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				
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.267	1300.00	347.10
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.089	1300.00	115.70
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.356	103.77	36.94
0982	Coarse sand (zone III)	cum	0.178	1200.00	213.60
2203	Carriage of Coarse sand	cum	0.178	103.77	18.47
0367	Portland Cement	tonne	0.17	5700.00	969.00
2209	Carriage of Cement	tonne	0.17	92.24	15.68
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	1.40	368.00	515.20
0101	Bhisti	day	1.04	407.00	423.28
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
9999	Sundries	L.S.	40.43	1.73	69.94
	TOTAL				3121.92
	Add 1 % Water charges				31.22
	TOTAL				3153.14
	Add 15 % Contractor's profit and overheads				472.97
	Cost of 10 sqm.				3626.11
	Cost of 1 sqm.				362.61
	Say				362.60

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	1300.00	347.10
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.089	1300.00	115.70
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.356	103.77	36.94
0982	Coarse sand (zone III)	cum	0.178	1200.00	213.60
2203	Carriage of Coarse sand	cum	0.178	103.77	18.47
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	0.115	1300.00	149.50
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.115	103.77	11.93
0367	Portland Cement	tonne	0.211	5700.00	1202.70
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.231	92.24	21.31
7254	Hardening compound	litre	2.44	40.00	97.60
9977	Carriage of hard crete	L.S.	2.73	1.73	4.72
	LABOUR				
0124	Mason (brick layer) 2nd class	day	2.15	448.00	963.20
0114	Beldar	day	1.60	368.00	588.80
0115	Coolie	day	1.88	368.00	691.84
0101	Bhisti	day	0.27	407.00	109.89
9999	Sundries	L.S.	53.82	1.73	93.11
	TOTAL				4780.41
	Add 1 % Water charges				47.80
	TOTAL				4828.21
	Add 15 % Contractor's profit and overheads				724.23
	Cost of 10 sqm.				5552.44
	Cost of 1 sqm.				555.24
	Say				555.25

- 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	1300.00	434.20
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.111	1300.00	144.30
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.445	103.77	46.18
0982	Coarse sand (zone III)	cum	0.222	1200.00	266.40
2203	Carriage of Coarse sand	cum	0.222	103.77	23.04
0298	Stone Aggregate (Single size) : 06 mm nominal size	cum	0.115	1300.00	149.50
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.115	103.77	11.93
0367	Portland Cement	tonne	0.243	5700.00	1385.10
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.263	92.24	24.26
7254	Hardening compound	litre	2.44	40.00	97.60
9977	Carriage of Hardening compound	L.S.	2.73	1.73	4.72
	LABOUR				
0124	Mason (brick layer) 2nd class	day	2.15	448.00	963.20
0114	Beldar	day	1.86	368.00	684.48
0115	Coolie	day	1.88	368.00	691.84
0101	Bhisti	day	0.27	407.00	109.89
9999	Sundries	L.S.	53.82	1.73	93.11
	TOTAL				5243.75
	Add 1 % Water charges				52.44
	TOTAL				5296.19
	Add 15 % Contractor's profit and overheads				794.43
	Cost of 10 sqm.				6090.62
	Cost of 1 sqm.				609.06
	Say				609.05

- 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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand) Rate as per Item Number 3.8 of SH: Mortars	cum	0.235	4723.50	1110.02
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.02	92.24	1.84
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.88	448.00	842.24
0115	Coolie	day	1.88	368.00	691.84
0101	Bhisti	day	0.54	407.00	219.78
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				3013.90
	Add 1 % Water charges				30.14
	TOTAL				3044.04
	Add 15 % Contractor's profit and overheads				456.61
	Cost of 10 sqm.				3500.65
	Cost of 1 sqm.				350.06
	Say				350.05

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 ₹
4.1.3	Details of cost for one cum. MATERIAL Cement concrete 1:2:4 Rate as per item No.4.1.3 of S.H.Concrete Work	cum	1.00	5481.95	5481.95(A)
	Extra labour for laying in floors etc.				
0124	Mason (brick layer) 2nd class	day	0.35	448.00	156.80
0114	Beldar	day	0.18	368.00	66.24
0101	Bhisti	day	0.05	407.00	20.35
9999	Sundries	L.S.	19.76	1.73	34.18
	TOTAL				5759.52
	Add 1 % Water charges on all except (A) i.e. on (5759.52 - 5481.95) = 277.57				2.78
	TOTAL				5762.30
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (5762.30 - 5481.95) = 280.35				42.05
	Cost of 1 Cum.				5804.35
	Say				5804.35

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 (brick layer) 2nd class	day	0.36	448.00	161.28
0114	Beldar	day	0.36	368.00	132.48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Chequered plate etc.	L.S.	13.52	1.73	23.39
	TOTAL				317.15
	Add 1 % Water charges				3.17
	TOTAL				320.32
	Add 15 % Contractor's profit and overheads				48.05
	Cost of 10 sqm.				368.37
	Cost of 1 sqm.				36.83
	Say				36.85

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 10 sqm. MATERIAL				
	For under layer of 34mm thick				
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.227	1300.00	295.10
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.076	1300.00	98.80
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.303	103.77	31.44
0982	Coarse sand (zone III)	cum	0.151	1200.00	181.20
2203	Carriage of Coarse sand	cum	0.151	103.77	15.67
0367	Portland Cement	tonne	0.109	5700.00	621.30
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.129	92.24	11.90
	for top layer 6mm thick				
0785	Marble chips upto 4mm and downsize White & black	quintal	0.872	250.00	218.00
2268	Carriage of Marble dust and marble chips	cum	0.051	103.77	5.29
0367	Portland Cement	tonne	0.0405	5700.00	230.85
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
0784	Marble dust/ powder	cum	0.007	1000.00	7.00
0874	Black colour dark shade pigment 3.5kg/ 50kg of cement = $40.5 \times 3.5 / 50 = 2.84 \text{kg}$	kilogram	2.84	80.00	227.20
9977	Carriage of pigment & marble powder etc. LABOUR	L.S.	3.64	1.73	6.30
0124	Mason (brick layer) 2nd class	day	1.79	448.00	801.92
0114	Beldar	day	1.99	368.00	732.32
0101	Bhisti	day	1.04	407.00	423.28
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries	L.S.	161.46	1.73	279.33
	Total				5310.25
	Add 1 % Water charges				53.10
	Total				5363.35
	Add 15 % Contractor's profit and overheads				804.50
	Cost of 10 sqm				6167.85
	Cost of 1 sqm				616.78
	Say				616.80

11.9.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	616.80	6168.00(A)
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	2.84	80.00	227.20
0874	Black colour dark shade pigment Add difference of cost due to using white cement instead of grey cement Add for	kilogram	-2.84	80.00	-227.20
0368	White Cement Deduct for	tonne	0.0405	11200.00	453.60
0367	Portland Cement Total	tonne	-0.0405	5700.00	-230.85
	Add 1 % Water charges on all except (A) i.e. on (6390.75 - 6168.00) = 222.75 Total				6390.75
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6392.98 - 6168.00) = 224.98 Cost of 10 sqm Cost of 1 sqm Say				2.23
					6392.98
					33.75
					6426.73
					642.67
					642.65

11.9.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	616.80	6168.00(A)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0876	Green or blue medium shade pigment	kilogram	2.84	80.00	227.20
0874	Deduct for Black colour dark shade pigment	kilogram	-2.84	80.00	-227.20
	Add difference of cost due to using white cement instead of grey cement				
0368	Add for White Cement	tonne	0.0203	11200.00	227.36
0367	Deduct for Portland Cement	tonne	-0.0203	5700.00	-115.71
	Total				6279.65
	Add 1 % Water charges on all except (A) i.e. on (6279.65 - 6168.00) = 111.65				1.12
	Total				6280.77
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6280.77 - 6168.00) = 112.77				16.92
	Cost of 10 sqm				6297.69
	Cost of 1 sqm				629.76
	Say				629.75

11.9.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
0296	For under layer of 34mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.227	1300.00	295.10
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.076	1300.00	98.80
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.303	103.77	31.44
0982	Coarse sand (zone III)	cum	0.151	1200.00	181.20
2203	Carriage of Coarse sand	cum	0.151	103.77	15.67
0367	Portland Cement	tonne	0.109	5700.00	621.30
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.129	92.24	11.90
	for top layer 6mm thick				
0785	Marble chips upto 4mm and downsize White & black	quintal	0.958	250.00	239.50
2268	Carriage of Marble dust and marble chips	cum	0.056	103.77	5.81
0368	White Cement	tonne	0.0405	11200.00	453.60
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
0784	Marble dust/ powder	cum	0.007	1000.00	7.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	448.00	801.92
0114	Beldar	day	1.99	368.00	732.32
0101	Bhisti	day	1.04	407.00	423.28
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries	L.S.	161.46	1.73	279.33
	Total				5321.52
	Add 1 % Water charges				53.22
	Total				5374.74
	Add 15 % Contractor's profit and overheads				806.21
	Cost of 10 sqm				6180.95
	Cost of 1 sqm				618.09
	Say				618.10

11.9.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring	sqm	10.00	616.80	6168.00(A)
	Add difference of cost due to using light shade pigment instead of dark shade pigment				
0875	Add for Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	80.00	-227.20
0874	Deduct for Black colour dark shade pigment	kilogram	-2.84	80.00	-227.20
	Total				6168.00
	Add 1 % Water charges on all except (A) i.e. on (6168.00 - 6168.00) = 0.00				0.00
	Total				6168.00
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6168.00 - 6168.00) = 0.00				0.00
	Cost of 10 sqm				6168.00
	cost of 1 sqm				616.80
	Say				616.80

11.9.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.9.1	Details of cost for 10 sqm. Rate as per item no 11.9.1 of SH: Flooring	sqm	10.00	616.80	6168.00(A)
	Less cost of dark shade pigment				
0874	Deduct for Black colour dark shade pigment	kilogram	-2.84	80.00	-227.20
9999	Deduct for carriage of pigment	L.S.	-7.38	1.73	-12.77
	Total				5928.03
	Add 1 % Water charges on all except (A) i.e. on (5928.03 - 6168.00) = -239.97				-2.40
	Total				5925.63
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (5925.63 - 6168.00) = -242.37				-36.36
	Cost of 10 sqm				5889.27
	cost of 1 sqm				588.92
	Say				588.90

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	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
	For Under layer of 31 mm thick				
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1300.00	273.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1300.00	91.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	103.77	29.06
0982	Coarse sand (zone III)	cum	0.14	1200.00	168.00
2203	Carriage of Coarse sand	cum	0.14	103.77	14.53
0367	Portland Cement	tonne	0.1005	5700.00	572.85
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement for top layer 9mm thick	tonne	0.1205	92.24	11.11
0788	Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	103.77	8.51
0367	Portland Cement	tonne	0.0578	5700.00	329.46
2209	Carriage of Cement	tonne	0.0578	92.24	5.33
0784	Marble dust/ powder	cum	0.012	1000.00	12.00
0874	Black colour dark shade pigment 3.5kg/ 50kg of cement = $57.80 \times 3.5 / 50 = 4.05 \text{kg}$	kilogram	4.05	80.00	324.00
9977	Carriage of pigment & marble powder etc.	L.S.	5.46	1.73	9.45
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	448.00	801.92
0114	Beldar	day	1.99	368.00	732.32
0101	Bhisti	day	1.04	407.00	423.28
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries	L.S.	134.55	1.73	232.77
	Total				5508.20
	Add 1 % Water charges				55.08
	Total				5563.28
	Add 15 % Contractor's profit and overheads				834.49
	Cost of 10 sqm				6397.77
	Cost of 1 sqm				639.77
	Say				639.75

11.10.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	639.75	6397.50(A)
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	4.05	80.00	324.00
0874	Black colour dark shade pigment Add difference of cost due to using white cement instead of grey cement Add for	kilogram	-4.05	80.00	-324.00
0368	White Cement Deduct for	tonne	0.0578	11200.00	647.36
0367	Portland Cement Total	tonne	-0.0578	5700.00	-329.46
	Add 1 % Water charges on all except (A) i.e. on (6715.40 - 6397.50) = 317.90 Total				6715.40
					3.18
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6718.58 - 6397.50) = 321.08 Cost of 10 sqm Cost of 1 sqm Say				6718.58
					48.16
					6766.74
					676.67
					676.65

11.10.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	639.75	6397.50(A)
0876	Green or blue medium shade pigment Deduct for	kilogram	4.05	80.00	324.00
0874	Black colour dark shade pigment Add difference of cost due to using white cement instead of grey cement Add for	kilogram	-4.05	80.00	-324.00
0368	White Cement Deduct for	tonne	0.0289	11200.00	323.68
0367	Portland Cement Total	tonne	-0.0289	5700.00	-164.73
	Add 1 % Water charges on all except (A) i.e. on (6556.45 - 6397.50) = 158.95 Total				6556.45
					1.59
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6558.04 - 6397.50) = 160.54 Cost of 10 sqm Cost of 1 sqm Say				6558.04
					24.08
					6582.12
					658.21
					658.20

11.10.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
	For Under layer of 31 mm thick				
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1300.00	273.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1300.00	91.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	103.77	29.06
0982	Coarse sand (zone III)	cum	0.14	1200.00	168.00
2203	Carriage of Coarse sand	cum	0.14	103.77	14.53
0367	Portland Cement	tonne	0.1005	5700.00	572.85
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.1205	92.24	11.11
	for top layer 9mm thick				
0788	Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	103.77	8.51
0368	White Cement	tonne	0.0578	11200.00	647.36
2209	Carriage of Cement	tonne	0.0578	92.24	5.33
0784	Marble dust/ powder	cum	0.012	1000.00	12.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	448.00	801.92
0114	Beldar	day	1.99	368.00	732.32
0101	Bhisti	day	1.04	407.00	423.28
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries	L.S.	161.46	1.73	279.33
	Total				5539.21
	Add 1 % Water charges				55.39
	Total				5594.60
	Add 15 % Contractor's profit and overheads				839.19
	Cost of 10 sqm				6433.79
	Cost of 1 sqm				643.37
	Say				643.35

11.10.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.10.1	Details of cost for 10 sqm Rate as per item no 11.10.1 of SH: Flooring Add difference of cost due to using light shade pigment instead of dark shade pigment Add for	sqm	10.00	639.75	6397.50(A)
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	2.84	80.00	227.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Black colour dark shade pigment	kilogram	-2.84	80.00	-227.20
	Total				6397.50
	Add 1 % Water charges on all except (A) i.e. on (6397.50 - 6397.50) = 0.00				0.00
	Total				6397.50
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6397.50 - 6397.50) = 0.00				0.00
	Cost of 10 sqm				6397.50
	cost of 1 sqm				639.75
	Say				639.75

11.10.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
	For under layer 31 mm thick				
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.21	1300.00	273.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.07	1300.00	91.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.28	103.77	29.06
0982	Coarse sand (zone III)	cum	0.14	1200.00	168.00
2203	Carriage of Coarse sand	cum	0.14	103.77	14.53
0367	Portland Cement	tonne	0.1005	5700.00	572.85
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.1205	92.24	11.11
	for top layer 9mm thick				
0788	Marble chips large size above 4 mm White & black	quintal	1.40	250.00	350.00
2268	Carriage of Marble dust and marble chips	cum	0.082	103.77	8.51
0367	Portland Cement	tonne	0.0578	5700.00	329.46
2209	Carriage of Cement	tonne	0.0578	92.24	5.33
0784	Marble dust/ powder	cum	0.012	1000.00	12.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	448.00	801.92
0114	Beldar	day	1.99	368.00	732.32
0101	Bhisti	day	1.04	407.00	423.28
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries	L.S.	134.55	1.73	232.77
	Total				5174.75
	Add 1 % Water charges				51.75
	Total				5226.50
	Add 15 % Contractor's profit and overheads				783.98
	Cost of 10 sqm				6010.48
	Cost of 1 sqm				601.04
	Say				601.05

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	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
	For under layer 28 mm thick				
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1300.00	247.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1300.00	78.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	103.77	25.94
0982	Coarse sand (zone III)	cum	0.125	1200.00	150.00
2203	Carriage of Coarse sand	cum	0.125	103.77	12.97
0367	Portland Cement	tonne	0.0897	5700.00	511.29
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.1097	92.24	10.12
	For top layer 12mm thick				
0788	Marble chips large size above 4 mm White & black	quintal	1.734	250.00	433.50
2268	Carriage of Marble dust and marble chips	cum	0.102	103.77	10.58
0367	Portland Cement	tonne	0.081	5700.00	461.70
2209	Carriage of Cement	tonne	0.081	92.24	7.47
0784	Marble dust/ powder	cum	0.017	1000.00	17.00
0874	Black colour dark shade pigment @ 3.5kg/50kg of cement = $81 \times 3.5 / 50 = 5.67 \text{kg}$	kilogram	5.67	80.00	453.60
9977	Carriage of pigment and marble powder etc.	L.S.	6.24	1.73	10.80
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	448.00	801.92
0114	Beldar	day	1.99	368.00	732.32
0101	Bhisti	day	1.04	407.00	423.28
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries	L.S.	156.13	1.73	270.10
	TOTAL				5777.20
	Add 1 % Water charges				57.77
	TOTAL				5834.97
	Add 15 % Contractor's profit and overheads				875.25
	Cost of 10 sqm.				6710.22
	Cost of 1 sqm.				671.02
	Say				671.00

11.11.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH: Flooring	sqm	10.00	671.00	6710.00(A)
0875	Add difference of cost due to using light shade pigment instead of dark shade pigment Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	5.67	80.00	453.60
0874	Deduct Black colour dark shade pigment	kilogram	-5.67	80.00	-453.60
0368	Add Difference of cost due to using white cement instead of grey cement Add for White Cement	tonne	0.081	11200.00	907.20
0367	Deduct for Portland Cement	tonne	-0.081	5700.00	-461.70
	TOTAL				7155.50
	Add 1 % Water charges on all except (A) i.e. on (7155.50 - 6710.00) = 445.50				4.46
	TOTAL				7159.96
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (7159.96 - 6710.00) = 449.96				67.49
	Cost of 10 sqm.				7227.45
	Cost of 1 sqm.				722.74
	Say				722.75

11.11.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH: Flooring	sqm	10.00	671.00	6710.00(A)
0876	Add difference of cost due to using Medium shade pigment instead of dark shade pigment Add for Green or blue medium shade pigment	kilogram	5.67	80.00	453.60
0874	Deduct for Black colour dark shade pigment	kilogram	-5.67	80.00	-453.60
0368	Add Difference of cost due to using white cement instead of grey cement Add for White Cement	tonne	0.0405	11200.00	453.60
0367	Deduct for Portland Cement	tonne	-0.0405	5700.00	-230.85
	TOTAL				6932.75
	Add 1 % Water charges on all except (A) i.e. on (6932.75 - 6710.00) = 222.75				2.23
	TOTAL				6934.98
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6934.98 - 6710.00) = 224.98				33.75
	Cost of 10 sqm.				6968.73
	Cost of 1 sqm.				696.87
	Say				696.85

11.11.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL				
0296	For under layer 28 mm thick Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1300.00	247.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1300.00	78.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	103.77	25.94
0982	Coarse sand (zone III)	cum	0.125	1200.00	150.00
2203	Carriage of Coarse sand	cum	0.125	103.77	12.97
0367	Portland Cement	tonne	0.0897	5700.00	511.29
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.1097	92.24	10.12
	For Top layer 12 mm thick				
0788	Marble chips large size above 4 mm White & black	quintal	1.916	250.00	479.00
2268	Carriage of Marble dust and marble chips	cum	0.1128	103.77	11.71
0368	White Cement	tonne	0.081	11200.00	907.20
2209	Carriage of Cement	tonne	0.081	92.24	7.47
0784	Marble dust/ powder	cum	0.017	1000.00	17.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	448.00	801.92
0114	Beldar	day	1.99	368.00	732.32
0101	Bhisti	day	1.04	407.00	423.28
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries	L.S.	134.55	1.73	232.77
	TOTAL				5767.60
	Add 1 % Water charges				57.68
	TOTAL				5825.28
	Add 15 % Contractor's profit and overheads				873.79
	Cost of 10 sqm.				6699.07
	Cost of 1 sqm.				669.90
	Say				669.90

11.11.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.11.1	Details of cost for 10 sqm Rate as per Item Number 11.11.1 of SH:Flooring	sqm	10.00	671.00	6710.00(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	5.67	80.00	453.60
	Deduct for				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Black colour dark shade pigment	kilogram	-5.67	80.00	-453.60
	TOTAL				6710.00
	Add 1 % Water charges on all except (A) i.e. on (6710.00 - 6710.00) = 0.00				0.00
	TOTAL				6710.00
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (6710.00 - 6710.00) = 0.00				0.00
	Cost of 10 sqm.				6710.00
	Cost of 1 sqm.				671.00
	Say				671.00

11.11.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm				
	MATERIAL				
	For under layer 28 mm thick				
0296	Stone Aggregate (Single size) : 12.5 mm nominal size	cum	0.19	1300.00	247.00
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.06	1300.00	78.00
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.25	103.77	25.94
0982	Coarse sand (zone III)	cum	0.125	1200.00	150.00
2203	Carriage of Coarse sand	cum	0.125	103.77	12.97
0367	Portland Cement	tonne	0.0897	5700.00	511.29
0367	Portland Cement	tonne	0.02	5700.00	114.00
2209	Carriage of Cement	tonne	0.1097	92.24	10.12
	For Top layer 12mm thick				
0788	Marble chips large size above 4 mm White & black	quintal	1.916	250.00	479.00
2268	Carriage of Marble dust and marble chips	cum	0.1128	103.77	11.71
0367	Portland Cement	tonne	0.081	5700.00	461.70
2209	Carriage of Cement	tonne	0.081	92.24	7.47
0784	Marble dust/ powder	cum	0.017	1000.00	17.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.79	448.00	801.92
0114	Beldar	day	1.99	368.00	732.32
0101	Bhisti	day	1.04	407.00	423.28
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0127	Driver (for Road Roller, Concrete Mixer, Truck etc.)	day	0.03	487.00	14.61
0002	Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	day	0.03	800.00	24.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries	L.S.	134.55	1.73	232.77
	TOTAL				5322.10
	Add 1 % Water charges				53.22
	TOTAL				5375.32
	Add 15 % Contractor's profit and overheads				806.30
	Cost of 10 sqm.				6181.62
	Cost of 1 sqm.				618.16
	Say				618.15

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 10 sqm MATERIAL				
3.8	For under layer of 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) = 0.144 + Extra for rounding = 0.03 =0.174 Rate as per Item Number 3.8 of SH: Mortars	cum	0.174	4723.50	821.89
0785	Top layer 6mm thick Marble chips upto 4mm and downsize White & black	quintal	0.872	250.00	218.00
2268	Carriage of Marble dust and marble chips	cum	0.051	103.77	5.29
0367	Portland Cement	tonne	0.0405	5700.00	230.85
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
0784	Marble dust/ powder	cum	0.007	1000.00	7.00
0874	Black colour dark shade pigment @ 3.5kg/50kg of cement =40.5x3.5/50=2.84kg	kilogram	2.84	80.00	227.20
9977	Carriage of pigment & marble powder etc. LABOUR	L.S.	3.64	1.73	6.30
0124	Mason (brick layer) 2nd class	day	3.00	448.00	1344.00
0114	Beldar	day	3.00	368.00	1104.00
0101	Bhisti	day	1.00	407.00	407.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.00	407.00	2849.00
9999	Sundries	L.S.	201.89	1.73	349.27
	TOTAL				7573.54
	Add 1 % Water charges				75.74
	TOTAL				7649.28
	Add 15 % Contractor's profit and overheads				1147.39
	Cost of 10 sqm.				8796.67
	Cost of 1 sqm.				879.66
	Say				879.65

11.12.1.2 Light shade pigment with white cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH: Flooring	sqm	10.00	879.65	8796.50(A)
0875	Add difference of cost due to using light shade pigment instead of dark shade pigment Add for Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment Deduct for	kilogram	2.84	80.00	227.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Black colour dark shade pigment Add Difference of cost due to using white cement instead of grey cement Add for	kilogram	-2.84	80.00	-227.20
0368	White Cement Deduct for	tonne	0.0405	11200.00	453.60
0367	Portland Cement TOTAL	tonne	-0.0405	5700.00	-230.85 9019.25
	Add 1 % Water charges on all except (A) i.e. on (9019.25 - 8796.50) = 222.75 TOTAL				2.23 9021.48
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9021.48 - 8796.50) = 224.98 Cost of 10 sqm. Cost of 1 sqm. Say				33.75 9055.23 905.52 905.50

11.12.1.3 Medium shade pigment with 50% white cement and 50% ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH:Flooring Add difference of cost due to using medium shade pigment instead of dark shade pigment Add for	sqm	10.00	879.65	8796.50(A)
0876	Green or blue medium shade pigment Deduct for	kilogram	2.84	80.00	227.20
0874	Black colour dark shade pigment Add Difference of cost due to using white cement instead of grey cement Add for	kilogram	-2.84	80.00	-227.20
0368	White Cement Deduct for	tonne	0.0203	11200.00	227.36
0367	Portland Cement TOTAL	tonne	-0.0203	5700.00	-115.71 8908.15
	Add 1 % Water charges on all except (A) i.e. on (8908.15 - 8796.50) = 111.65 TOTAL				1.12 8909.27
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8909.27 - 8796.50) = 112.77 Cost of 10 sqm. Cost of 1 sqm. Say				16.92 8926.19 892.61 892.60

11.12.1.4 White cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm MATERIAL For under layer of 12mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) = 0.144+ Extra for rounding = 0.03 Total =0.174				
3.8	Rate as per Item Number 3.8 of SH: Mortars Top layer 6mm thick	cum	0.174	4723.50	821.89
0785	Marble chips upto 4mm and downsize White & black	quintal	0.958	250.00	239.50
2268	Carriage of Marble dust and marble chips	cum	0.056	103.77	5.81
0368	White Cement	tonne	0.0405	11200.00	453.60
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
0784	Marble dust/ powder	cum	0.007	1000.00	7.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.00	448.00	1344.00
0114	Beldar	day	3.00	368.00	1104.00
0101	Bhisti	day	1.00	407.00	407.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.00	407.00	2849.00
9999	Sundries	L.S.	201.89	1.73	349.27
	TOTAL				7584.81
	Add 1 % Water charges				75.85
	TOTAL				7660.66
	Add 15 % Contractor's profit and overheads				1149.10
	Cost of 10 sqm.				8809.76
	Cost of 1 sqm.				880.97
	Say				880.95

11.12.1.5 Light shade pigment with ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH: Flooring	sqm	10.00	879.65	8796.50(A)
	Add difference of cost due to using Light shade pigment instead of dark shade pigment				
0875	Add for Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	2.84	80.00	227.20
0874	Deduct for Black colour dark shade pigment	kilogram	-2.84	80.00	-227.20
	TOTAL				8796.50
	Add 1 % Water charges on all except (A) i.e. on (8796.50 - 8796.50) = 0.00				0.00
	TOTAL				8796.50
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8796.50 - 8796.50) = 0.00				0.00
	Cost of 10 sqm.				8796.50
	Cost of 1 sqm.				879.65
	Say				879.65

11.12.1.6 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
11.12.1.1	Details of cost for 10 sqm Rate as per Item Number 11.12.1.1 of SH: Flooring Less cost of dark shade pigment Deduct for	sqm	10.00	879.65	8796.50(A)
0874	Black colour dark shade pigment	kilogram	-2.84	80.00	-227.20
9999	Deduct for Carriage of pigment	L.S.	-3.64	1.73	-6.30
2268	Marble dust and/or marble chips	cum	0.007	103.77	0.73
	TOTAL				8563.73
	Add 1 % Water charges on all except (A) i.e. on (8563.73 - 8796.50) = -232.77				-2.33
	TOTAL				8561.40
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8561.40 - 8796.50) = -235.10				-35.27
	Cost of 10 sqm.				8526.13
	Cost of 1 sqm.				852.61
	Say				852.60

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 thick 40 mm deep	metre	11.00	20.00	220.00
9977	Carriage of glass	L.S.	2.73	1.73	4.72
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.25	448.00	112.00
0114	Beldar	day	0.25	368.00	92.00
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				452.11
	Add 1 % Water charges				4.52
	TOTAL				456.63
	Add 15 % Contractor's profit and overheads				68.49
	Cost of 10 meter				525.12
	Cost of 1 meter				52.51
	Say				52.50

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 (brick layer) 2nd class	day	0.30	448.00	134.40
0114	Beldar	day	0.30	368.00	110.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0115	Coolie	day	0.30	368.00	110.40
	TOTAL				355.20
	Add 1 % Water charges				3.55
	TOTAL				358.75
	Add 15 % Contractor's profit and overheads				53.81
	Cost of 10 Sqm.				412.56
	Cost of 1sqm.				41.25
	Say				41.25

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 ₹
11.7	Details of cost for 10 sqm. Under layer 25mm thick of cement Concree 1:2:4 -10x0.025=0.25 cum Rate as per Item Number 11.7 of SH: Flooring Cement slurry for subgrade and under large cement	cum	0.25	5804.35	1451.09(A)
0367	Portland Cement	tonne	0.04	5700.00	228.00
2209	Carriage of Cement	tonne	0.04	92.24	3.69
	Labour for applying cement slurry LABOUR				
0114	Beldar	day	0.50	368.00	184.00
	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 0.872x0.14/0.051 = 2.40q				
2710	White marble makranasecondquality plain veined stone pieces for crazy flooring	quintal	2.40	147.00	352.80
0368	White Cement	tonne	0.0405	11200.00	453.60
0784	Marble dust/ powder	cum	0.007	1000.00	7.00
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment @ 3.5kg/50kg of cement = 40.5x3.5/50=2.84kg	kilogram	2.84	80.00	227.20
0785	Marble chips upto 4mm and downsize White & black	quintal	0.872	250.00	218.00
2268	Carriage of Marble dust and marble chips	cum	0.051	103.77	5.29
2209	Carriage of Cement	tonne	0.0405	92.24	3.74
9977	Carriage of pigment & marble powder	L.S.	3.64	1.73	6.30

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.24	92.24	22.14
0123	Labour for finishing, polishing and fixing- Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
9999	Sundries including carborandum etc.	L.S.	134.55	1.73	232.77
0101	Bhisti	day	0.54	407.00	219.78
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00
	TOTAL				8370.80
	Add 1 % Water charges on all except (A) i.e. on (8370.80 - 1451.09) = 6919.71				69.20
	TOTAL				8440.00
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (8440.00 - 1451.09) = 6988.91				1048.34
	Cost of 10 Sqm.				9488.34
	Cost of 1sqm.				948.83
	Say				948.85

11.16 Precast terrazzo 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 ₹
1201	Details of cost for 10 sqm. MATERIAL Precast terrazzo tiles 22 mm thick (light shade) including 10% wastage	sqm	11.00	285.00	3135.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	1.73	69.94
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
0367	Portland Cement	tonne	0.044	5700.00	250.80
0368	Grey cement for slurry @ 4.4kg/sqm. White Cement for grouting	tonne	0.044	11200.00	492.80
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0139	Skilled Beldar (for floor rubbing etc.)	day	10.00	407.00	407.00
0101	Bhisti	day	1.00	407.00	407.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries including carborandum stone etc.	L.S.	161.98	1.73	280.23
	TOTAL				8199.48
	Add 1 % Water charges				81.99
	TOTAL				8281.47
	Add 15 % Contractor's profit and overheads				1242.22
	Cost of 10 sqm.				9523.69
	Cost of 1 sqm.				952.36
	Say				952.35

11.16.2 Medium shade 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 10% wastage	sqm	11.00	265.00	2915.00
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
	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	5700.00	376.20
	50% white cement for grouting				
0368	White Cement	tonne	0.022	11200.00	246.40
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0876	Green or blue medium shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0101	Bhisti	day	1.00	407.00	407.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	1.73	280.23
	TOTAL				7858.48
	Add 1 % Water charges				78.58
	TOTAL				7937.06
	Add 15 % Contractor's profit and overheads				1190.56
	Cost of 10 sqm.				9127.62
	Cost of 1 sqm.				912.76
	Say				912.75

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	245.00	2695.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
	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	5700.00	501.60
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0874	Black colour dark shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0101	Bhisti	day	1.00	407.00	407.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	1.73	280.23
	TOTAL				7517.48
	Add 1 % Water charges				75.17
	TOTAL				7592.65
	Add 15 % Contractor's profit and overheads				1138.90
	Cost of 10 sqm.				8731.55
	Cost of 1 sqm.				873.15
	Say				873.15

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	245.00	2695.00
	Carriage of tiles	L.S.	40.43	1.73	69.94
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
	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	5700.00	501.60
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0874	Black colour dark shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0101	Bhisti	day	1.00	407.00	407.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	1.73	280.23

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0874	Black colour dark shade pigment	kilogram	-5.92	80.00	-473.60
	TOTAL				7043.88
	Add 1 % Water charges				70.44
	TOTAL				7114.32
	Add 15 % Contractor's profit and overheads				1067.15
	Cost of 10 sqm.				8181.47
	Cost of 1 sqm.				818.14
	Say				818.15

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 (brick layer) 2nd class	day	0.22	448.00	98.56
0115	Coolie	day	0.22	368.00	80.96
0139	Skilled Beldar (for floor rubbing etc.)	day	0.65	407.00	264.55
	TOTAL				444.07
	Add 1 % Water charges				4.44
	TOTAL				448.51
	Add 15 % Contractor's profit and overheads				67.28
	Cost of 10 sqm.				515.79
	Cost of 1 sqm.				51.57
	Say				51.55

11.18 Precast terrazo tiles 22 mm thick with graded marble chips of sizes upto 12 mm, in skirting 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 :

11.18.1 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	285.00	3135.00
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
	Cement mortar 1:3 (1 cement : 3 coarse sand)				
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4723.50	680.18
0368	White Cement	tonne	0.066	11200.00	739.20
	For slurry				
	For buttering tiles bed sides =44 kg. +				
	For grouting =22 kg.				
	Total = 66 kg				
2209	Carriage of Cement	tonne	0.066	92.24	6.09
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment 66x3.5/50 = 4.62	kilogram	4.62	80.00	369.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	448.00	1456.00
0115	Coolie	day	3.25	368.00	1196.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.6	407.00	3093.20
9999	Sundries including carborandum stone and polishing powder etc.	L.S.	161.46	1.73	279.33
	TOTAL				11024.54
	Add 1 % Water charges				110.25
	TOTAL				11134.79
	Add 15 % Contractor's profit and overheads				1670.22
	Cost of 10 sqm.				12805.01
	Cost of 1 sqm.				1280.50
	Say				1280.50

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	265.00	2915.00
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand) Rate as per Item Number 3.8 of SH: Mortars 50% white cement for slurry	cum	0.144	4723.50	680.18
0368	White Cement	tonne	0.033	11200.00	369.60
0367	Portland Cement	tonne	0.033	5700.00	188.10
2209	Carriage of Cement	tonne	0.066	92.24	6.09
0876	Green or blue medium shade pigment	kilogram	4.62	80.00	369.60
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	448.00	1456.00
0115	Coolie	day	3.25	368.00	1196.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	407.00	3093.20
9999	Sundries including carborandum stone and polishing powder etc.	L.S.	161.46	1.73	279.33
	TOTAL				10623.04
	Add 1 % Water charges				106.23
	TOTAL				10729.27
	Add 15 % Contractor's profit and overheads				1609.39
	Cost of 10 sqm.				12338.66
	Cost of 1 sqm.				1233.86
	Say				1233.85

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	245.00	2695.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand) Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4723.50	680.18
0367	Grey cement for slurry				
0367	Portland Cement	tonne	0.066	5700.00	376.20
2209	Carriage of Cement	tonne	0.066	92.24	6.09
0874	Black colour dark shade pigment	kilogram	4.62	80.00	369.60
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	448.00	1456.00
0115	Coolie	day	3.25	368.00	1196.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	407.00	3093.20
9999	Sundries including carborandum stone and polishing powder etc.	L.S.	161.46	1.73	279.33
	TOTAL				10221.54
	Add 1 % Water charges				102.22
	TOTAL				10323.76
	Add 15 % Contractor's profit and overheads				1548.56
	Cost of 10 sqm.				11872.32
	Cost of 1 sqm.				1187.23
	Say				1187.25

11.18.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm. MATERIAL				
1203	Precast terrazzo tiles 22 mm thick (dark shade) including wastage & breakage	sqm	11.00	245.00	2695.00
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand) Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	4723.50	680.18
	Grey cement for slurry				
0367	Portland Cement	tonne	0.066	5700.00	376.20
2209	Carriage of Cement	tonne	0.066	92.24	6.09
0874	Black colour dark shade pigment	kilogram	4.62	80.00	369.60
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.25	448.00	1456.00
0115	Coolie	day	3.25	368.00	1196.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.60	407.00	3093.20
9999	Sundries including carborandum stone and polishing powder etc.	L.S.	161.46	1.73	279.33
	Less for dark shade pigment [4.62+2.84 (for tiles)]				
0874	Black colour dark shade pigment	kilogram	-7.46	80.00	-596.80
	TOTAL				9624.74
	Add 1 % Water charges				96.25
	TOTAL				9720.99
	Add 15 % Contractor's profit and overheads				1458.15
	Cost of 10 sqm.				11179.14
	Cost of 1 sqm.				1117.91
	Say				1117.90

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	275.00	3025.00
9977	Carriage of tiles Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	1.73	69.94
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
0367	Grey cement for slurry @ 4.4kg/sqm Portland Cement	tonne	0.044	5700.00	250.80
0368	White cement for grouting White Cement	tonne	0.044	11200.00	492.80
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0101	Bhisti	day	1.00	407.00	407.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	1.73	280.23
	TOTAL				8089.48
	Add 1 % Water charges				80.89
	TOTAL				8170.37
	Add 15 % Contractor's profit and overheads				1225.56
	Cost of 10 sqm.				9395.93
	Cost of 1 sqm.				939.59
	Say				939.60

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 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	40.43	1.73	69.94
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
	Grey cement (i) for slurry @ 4.4kg/sqm =44 kg.+ (ii) 50% for grouting = 22kg. Total =66kg or 0.066 tonne				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	0.066	5700.00	376.20
	50% white cement for grouting				
0368	White Cement	tonne	0.022	11200.00	246.40
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0876	Green or blue medium shade pigment	kilogram	3.08	80.00	246.40
	Labour and sundries				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0101	Bhisti	day	1.00	407.00	407.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	1.73	280.23
	TOTAL				8243.48
	Add 1 % Water charges				82.43
	TOTAL				8325.91
	Add 15 % Contractor's profit and overheads				1248.89
	Cost of 10 sqm.				9574.80
	Cost of 1 sqm.				957.48
	Say				957.50

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)	sqm	11.00	260.00	2860.00
	including 10% wastage				
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
	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	5700.00	501.60
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0874	Black colour dark shade pigment	kilogram	3.08	80.00	246.40
	Labour & sundries				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0101	Bhisti	day	1.00	407.00	407.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries including carborandum stone etc.	L.S.	161.98	1.73	280.23
	TOTAL				7682.48
	Add 1 % Water charges				76.82
	TOTAL				7759.30
	Add 15 % Contractor's profit and overheads				1163.90
	Cost of 10 sqm.				8923.20
	Cost of 1 sqm.				892.32
	Say				892.30

11.19.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1229	Details of cost for 10 sqm. MATERIAL Chequered terrazo tiles 22 mm thick (dark shade)	sqm	11.00	260.00	2860.00
9977	including 10% wastage Carriage of tiles	L.S.	40.43	1.73	69.94
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
0367	Ordinary cement for (i) Cement slurry @ 4.4kg/sqm = 44kg+ (ii) Grouting = 44 kg. Total = 88kg or 0.088 tonne	tonne	0.088	5700.00	501.60
2209	Portland Cement	tonne	0.088	92.24	8.12
0874	Carriage of Cement	kilogram	3.08	80.00	246.40
0124	Black colour dark shade pigment Labour & sundries	day	1.60	448.00	716.80
0115	Mason (brick layer) 2nd class	day	2.00	368.00	736.00
0139	Coolie	day	1.00	407.00	407.00
0101	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0013	Bhisti	day	1.60	350.00	560.00
9999	Machine for rubbing of floors Sundries including carborandum stone etc. Less for dark shade pigment [3.08+2.84(for tiles)]	L.S.	162.59	1.73	281.28
0874	Black colour dark shade pigment	kilogram	-5.92	80.00	-473.60
	TOTAL				7209.93
	Add 1 % Water charges				72.10
	TOTAL				7282.03
	Add 15 % Contractor's profit and overheads				1092.30
	Cost of 10 sqm.				8374.33
	Cost of 1 sqm.				837.43
	Say				837.45

11.20 Chequered 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 ₹
7070	Details of cost for 10 sqm. MATERIAL Chequered precast cement concrete tiles 22mm thick using marble chips of size 6mm - Light shade using white cement including 10% wastage	sqm	11.00	360.00	3960.00
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars Grey cement slurry @ 4.4kg @sqm	cum	0.22	3970.50	873.51

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0367	Portland Cement	tonne	0.044	5700.00	250.80
	White cement for grouting				
0368	White Cement	tonne	0.048	11200.00	537.60
2209	Carriage of Cement	tonne	0.092	92.24	8.49
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0101	Bhisti	day	1.00	407.00	407.00
	TOTAL				7806.54
	Add 1 % Water charges				78.07
	TOTAL				7884.61
	Add 15 % Contractor's profit and overheads				1182.69
	Cost of 10 sqm.				9067.30
	Cost of 1 sqm.				906.73
	Say				906.75

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	350.00	3850.00
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars Grey cement for slurry @ 4.4kg/sqm. = 44 kg.+ grey cement for grouting 2.4kg/sqm. = 24kg. Total = 68 kg	cum	0.22	3970.50	873.51
0367	Portland Cement	tonne	0.068	5700.00	387.60
	White cement for grouting @ 2.4kg/sqm. = 24 kg				
0368	White Cement	tonne	0.024	11200.00	268.80
2209	Carriage of Cement	tonne	0.092	92.24	8.49
0876	Green or blue medium shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0101	Bhisti	day	1.00	407.00	407.00
	TOTAL				7564.54
	Add 1 % Water charges				75.65
	TOTAL				7640.19
	Add 15 % Contractor's profit and overheads				1146.03
	Cost of 10 sqm.				8786.22
	Cost of 1 sqm.				878.62
	Say				878.60

11.20.3 Dark shade pigment using ordinary cement

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7236	Details of cost for 10 sqm. MATERIAL Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement including 10% wastage	sqm	11.00	235.00	2585.00
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	3970.50	873.51
	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	5700.00	524.40
2209	Carriage of Cement	tonne	0.092	92.24	8.49
0874	Black colour dark shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0101	Bhisti	day	1.00	407.00	407.00
	TOTAL				6167.54
	Add 1 % Water charges				61.68
	TOTAL				6229.22
	Add 15 % Contractor's profit and overheads				934.38
	Cost of 10 sqm.				7163.60
	Cost of 1 sqm.				716.36
	Say				716.35

11.20.4 Ordinary cement without any pigment

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7236	Details of cost for 10 sqm. MATERIAL Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement including 10% wastage	sqm	11.00	235.00	2585.00
9977	Carriage of tiles	L.S.	40.43	1.73	69.94
3.9	Cement mortar 1 : 4 (1 cement : 4 coarse sand) Rate as per Item Number 3.9 of SH: Mortars	cum	0.22	3970.50	873.51
	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	5700.00	524.40
2209	Carriage of Cement	tonne	0.092	92.24	8.49
0874	Black colour dark shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti Less for dark shade pigment [3.08+2.84 (for tiles)]	day	1.00	407.00	407.00
0874	Black colour dark shade pigment	kilogram	-5.92	80.00	-473.60
	TOTAL				5693.94
	Add 1 % Water charges				56.94
	TOTAL				5750.88
	Add 15 % Contractor's profit and overheads				862.63
	Cost of 10 sqm.				6613.51
	Cost of 1 sqm.				661.35
	Say				661.35

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	450.00	540.00
9977	Carriage	L.S.	6.24	1.73	10.80
	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	3970.50	47.65
9999	Mortar for pointing in acid/alkali resistant cement	L.S.	40.43	1.73	69.94
	Cement for slurry over bed @ 3.3kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	Difference of cost for using acid proof cement instead of ordinary cement				
	Add				
7024	Acid Proof cement	tonne	0.0079	8150.00	64.39
	Deduct				
0367	Portland Cement	tonne	-0.0079	5700.00	-45.03
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries including carriage of cement etc.	L.S.	26.91	1.73	46.55
	TOTAL				924.11
	Add 1 % Water charges				9.24
	TOTAL				933.35
	Add 15 % Contractor's profit and overheads				140.00
	Cost of 1 sqm.				1073.35
	Say				1073.35

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	450.00	540.00
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	12mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars Difference of cost for using acid proof cement instead of ordinary cement	cum	0.014	3970.50	55.59
	Add				
7024	Acid Proof cement	tonne	0.0086	8150.00	70.09
	Deduct				
0367	Portland Cement	tonne	-0.0086	5700.00	-49.02
9999	Mortar for pointing in acid proof cement	L.S.	40.43	1.73	69.94
	Acid proof cementfor slurry over plaster 3.3kg/sqm				
7024	Acid Proof cement	tonne	0.0033	8150.00	26.90
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.25	368.00	92.00
9988	Sundries including carriage of cement etc.	L.S.	26.91	1.73	46.55
	TOTAL				984.60
	Add 1 % Water charges				9.85
	TOTAL				994.45
	Add 15 % Contractor's profit and overheads				149.17
	Cost of 1 sqm.				1143.62
	Say				1143.60

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 1 sqm. MATERIAL				
2751	8 mm thick marble tiles (polished) Raj Nagar including wastage	sqm	1.061	378.00	401.06
9977	Carriage of tiles	L.S.	3.90	1.73	6.75
	12mm thick 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	0.014	4723.50	66.13
9999	Mortar for pointing in white cement	L.S.	25.35	1.73	43.86
	Cement for slurry @ 3.3kg/sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
9999	Pigment	L.S.	2.08	1.73	3.60
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.25	368.00	92.00
9988	Sundries including carriage of cement etc.	L.S.	16.90	1.73	29.24
	TOTAL				783.20
	Add 1 % Water charges				7.83
	TOTAL				791.03
	Add 15 % Contractor's profit and overheads				118.65
	Cost of 1 sqm.				909.68
	Say				909.70

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	1500.00	17250.00
	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	3970.50	889.39
	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	5700.00	285.00
9977	Carriage of marble slab	L.S.	26.91	1.73	46.55
	LABOUR				
	(for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries and carriage of cement etc.	L.S.	134.55	1.73	232.77
	TOTAL				23459.11
	Add 1 % Water charges				234.59
	TOTAL				23693.70
	Add 15 % Contractor's profit and overheads				3554.06
	Cost of 10 sqm.				27247.76
	Cost of 1 sqm.				2724.77
	Say				2724.75

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	sqm	11.50	600.00	6900.00
	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	3970.50	889.39
	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	5700.00	285.00
9977	Carriage of marble slab	L.S.	26.91	1.73	46.55
	LABOUR				
	(for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	1.73	232.77
	TOTAL				13109.11
	Add 1 % Water charges				131.09
	TOTAL				13240.20
	Add 15 % Contractor's profit and overheads				1986.03
	Cost of 10 sqm.				15226.23
	Cost of 1 sqm.				1522.62
	Say				1522.60

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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7850	Agaria White marble slab plain 18mm thick Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	11.50	1100.00	12650.00
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	3970.50	889.39
0367	Portland Cement	tonne	0.05	5700.00	285.00
9977	Carriage of marble slab LABOUR (for finishing, polishing and fixing)	L.S.	26.91	1.73	46.55
0123	Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	1.73	232.77
	TOTAL				18859.11
	Add 1 % Water charges				188.59
	TOTAL				19047.70
	Add 15 % Contractor's profit and overheads				2857.16
	Cost of 10 sqm.				21904.86
	Cost of 1 sqm.				2190.48
	Say				2190.50

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 Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	11.50	500.00	5750.00
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	3970.50	889.39
0367	Portland Cement	tonne	0.05	5700.00	285.00
9977	Carriage of marble slab LABOUR (for finishing, polishing and fixing)	L.S.	26.91	1.73	46.55
0123	Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries and carriage of cement etc.	L.S.	134.55	1.73	232.77
	TOTAL				11959.11
	Add 1 % Water charges				119.59
	TOTAL				12078.70
	Add 15 % Contractor's profit and overheads				1811.81
	Cost of 10 sqm.				13890.51
	Cost of 1 sqm.				1389.05
	Say				1389.05

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	3970.50	889.39
	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	5700.00	285.00
9977	Carriage of marble slab	L.S.	26.91	1.73	46.55
	LABOUR				
	(for finishing, polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	1.73	232.77
	TOTAL				13684.11
	Add 1 % Water charges				136.84
	TOTAL				13820.95
	Add 15 % Contractor's profit and overheads				2073.14
	Cost of 10 sqm.				15894.09
	Cost of 1 sqm.				1589.40
	Say				1589.40

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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
6007	Pink marble slab plain 18mm thick Base Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	11.50	677.00	7785.50
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	3970.50	889.39
0367	Portland Cement	tonne	0.05	5700.00	285.00
9977	Carriage of marble slab LABOUR (for finishing, polishing and fixing)	L.S.	26.91	1.73	46.55
0123	Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00
9988	Sundries and carriage of cement etc.	L.S.	134.55	1.73	232.77
	TOTAL				13994.61
	Add 1 % Water charges				139.95
	TOTAL				14134.56
	Add 15 % Contractor's profit and overheads				2120.18
	Cost of 10 sqm.				16254.74
	Cost of 1 sqm.				1625.47
	Say				1625.45

11.24 Extra for pre finished nosing to treads of steps of marble stone.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10m LABOUR				
0126	Mason (for ornamental stone work) 1st class	day	2.00	487.00	974.00
0114	Beldar	day	1.50	368.00	552.00
0139	Skilled Beldar (for floor rubbing etc.)	day	2.50	407.00	1017.50
9999	Sundries	L.S.	53.82	1.73	93.11
	TOTAL				2636.61
	Add 1 % Water charges				26.37
	TOTAL				2662.98
	Add 15 % Contractor's profit and overheads				399.45
	Cost for 10m				3062.43
	Cost for 1m				306.24
	Say				306.25

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 (brick layer) 1st class	day	1.95	487.00	949.65
0114	Beldar	day	1.40	368.00	515.20
0115	Coolie	day	0.75	368.00	276.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0139	Skilled Beldar (for floor rubbing etc.)	day	3.18	407.00	1294.26
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				3081.66
	Add 1 % Water charges				30.82
	TOTAL				3112.48
	Add 15 % Contractor's profit and overheads				466.87
	Cost for 10sqm.				3579.35
	Cost for 1sqm.				357.93
	Say				357.95

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)	sqm	11.50	280.00	3220.00
	including 15% wastage				
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39
	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	5700.00	364.80
2209	Carriage of Cement	tonne	0.064	92.24	5.90
0874	Black colour dark shade pigment	kilogram	4.50	80.00	360.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.20	448.00	537.60
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00
9999	Sundries	L.S.	208.13	1.73	360.06
	TOTAL				9970.55
	Add 1 % Water charges				99.71
	TOTAL				10070.26
	Add 15 % Contractor's profit and overheads				1510.54
	Cost for 10sqm.				11580.80
	Cost for 1sqm.				1158.08
	Say				1158.10

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 ₹
1168	Details of cost for 10sqm. MATERIAL Kota stone slab 20 mm to 25 mm thick (semi-polished) including 15% wastage	sqm	11.50	280.00	3220.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80
3.8	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	0.144	4723.50	680.18
0367	Rate as per Item Number 3.8 of SH: Mortars Portland Cement for slurry	tonne	0.064	5700.00	364.80
2209	Carriage of Cement	tonne	0.064	92.24	5.90
0874	Black colour dark shade pigment	kilogram	4.50	80.00	360.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	3.00	448.00	1344.00
0114	Beldar	day	3.00	368.00	1104.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	7.00	407.00	2849.00
9999	Sundries	L.S.	174.98	1.73	302.72
	TOTAL				10660.40
	Add 1 % Water charges				106.60
	TOTAL				10767.00
	Add 15 % Contractor's profit and overheads				1615.05
	Cost for 10sqm.				12382.05
	Cost for 1sqm.				1238.20
	Say				1238.20

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	200.00	2200.00
9977	Carriage	L.S.	34.06	1.73	58.92
	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	3565.05	891.26
	LABOUR				
0123	Mason (brick layer) 1st class	day	3.10	487.00	1509.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0100	Bandhani	day	1.10	407.00	447.70
0115	Coolie	day	0.55	368.00	202.40
0101	Bhisti	day	0.27	407.00	109.89
9999	Sundries	L.S.	10.79	1.73	18.67
	TOTAL				5438.54
	Add 1 % Water charges				54.39
	TOTAL				5492.93
	Add 15 % Contractor's profit and overheads				823.94
	Cost for 10sqm.				6316.87
	Cost for 1sqm.				631.68
	Say				631.70

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	200.00	2200.00
9977	Carriage	L.S.	34.06	1.73	58.92
	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	3565.05	891.26
	LABOUR				
0123	Mason (brick layer) 1st class	day	3.10	487.00	1509.70
0100	Bandhani	day	1.10	407.00	447.70
0115	Coolie	day	0.55	368.00	202.40
0101	Bhisti	day	0.27	407.00	109.89
9999	Sundries	L.S.	10.79	1.73	18.67
	TOTAL				5438.54
	Add 1 % Water charges				54.39
	TOTAL				5492.93
	Add 15 % Contractor's profit and overheads				823.94
	Cost for 10sqm.				6316.87
	Cost for 1sqm.				631.68
	Say				631.70

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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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	200.00	2200.00
9977	Carriage	L.S.	34.06	1.73	58.92
	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	3565.05	891.26
3.12	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing) Rate as per Item Number 3.12 of SH: Mortars	cum	0.023	5233.50	120.37
	LABOUR				
0123	Mason (brick layer) 1st class	day	3.90	487.00	1899.30
0100	Bandhani	day	1.10	407.00	447.70
0115	Coolie	day	1.40	368.00	515.20
0101	Bhisti	day	0.55	407.00	223.85
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				6403.15
	Add 1 % Water charges				64.03
	TOTAL				6467.18
	Add 15 % Contractor's profit and overheads				970.08
	Cost for 10sqm.				7437.26
	Cost for 1sqm.				743.72
	Say				743.70

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	200.00	2200.00
9977	Carriage	L.S.	34.06	1.73	58.92
	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	3565.05	891.26
3.12	Cement mortar 1:2 (1 Cement : 2 stone dust for pointing) Rate as per Item Number 3.12 of SH: Mortars	cum	0.023	5233.50	120.37
	LABOUR				
0123	Mason (brick layer) 1st class	day	3.90	487.00	1899.30
0100	Bandhani	day	1.10	407.00	447.70
0115	Coolie	day	1.40	368.00	515.20
0101	Bhisti	day	0.55	407.00	223.85

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	26.91	1.73	46.55
	TOTAL				6403.15
	Add 1 % Water charges				64.03
	TOTAL				6467.18
	Add 15 % Contractor's profit and overheads				970.08
	Cost for 10sqm.				7437.26
	Cost for 1sqm.				743.72
	Say				743.70

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	200.00	2200.00
9977	Carriage	L.S.	34.06	1.73	58.92
	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	3565.05	891.26
	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	5233.50	120.37
	LABOUR				
0123	Mason (brick layer) 1st class	day	3.90	487.00	1899.30
0100	Bandhani	day	1.10	407.00	447.70
0115	Coolie	day	1.40	368.00	515.20
0101	Bhisti	day	0.55	407.00	223.85
9999	Sundries	L.S.	26.91	1.73	46.55
	Labour for rubbing of stone				
0139	Skilled Beldar (for floor rubbing etc.)	day	0.618	407.00	251.53
0013	Machine for rubbing of floors	day	0.988	350.00	345.80
	TOTAL				7000.48
	Add 1 % Water charges				70.00
	TOTAL				7070.48
	Add 15 % Contractor's profit and overheads				1060.57
	Cost for 10sqm.				8131.05
	Cost for 1sqm.				813.10
	Say				813.10

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	200.00	2200.00
9977	Carriage	L.S.	34.06	1.73	58.92
	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 Cement mortar 1:2 (1 Cement : 2 stone dust for pointing)	cum	0.25	3565.05	891.26
3.12	Rate as per Item Number 3.12 of SH: Mortars LABOUR	cum	0.023	5233.50	120.37
0123	Mason (brick layer) 1st class	day	3.90	487.00	1899.30
0100	Bandhani	day	1.10	407.00	447.70
0115	Coolie	day	1.40	368.00	515.20
0101	Bhisti	day	0.55	407.00	223.85
9999	Sundries	L.S.	26.91	1.73	46.55
	Labour for rubbing of stone				
0139	Skilled Beldar (for floor rubbing etc.)	day	0.618	407.00	251.53
0013	Machine for rubbing of floors	day	0.988	350.00	345.80
	TOTAL				7000.48
	Add 1 % Water charges				70.00
	TOTAL				7070.48
	Add 15 % Contractor's profit and overheads				1060.57
	Cost for 10sqm.				8131.05
	Cost for 1sqm.				813.10
	Say				813.10

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 10m LABOUR				
0126	Mason (for ornamental stone work) 1st class	day	1.50	487.00	730.50
	TOTAL				730.50
	Add 1 % Water charges				7.31
	TOTAL				737.81
	Add 15 % Contractor's profit and overheads				110.67
	Cost for 10sqm.				848.48
	Cost for 1sqm.				84.84
	Say				84.85

11.32 Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10sqm.				
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.20	448.00	89.60
0114	Beldar	day	0.20	368.00	73.60
	TOTAL				163.20
	Add 1 % Water charges				1.63
	TOTAL				164.83
	Add 15 % Contractor's profit and overheads				24.72
	Cost for 10sqm.				189.55
	Cost for 1sqm.				18.95
	Say				18.95

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				
	$2.5(4+0.336) \times 0.025 = 0.271$ cum				
	Add wastage @ 10 % = 0.027 cum				
	Total = 0.2981 cum = 298.1 cudm				
1190	Second class teak wood in planks	10 cudm	29.81	675.00	20121.75
1231	Extra for selected planks of second class teakwood	10 cudm	29.81	150.00	4471.50
2204	Carriage of Timber	cum	0.2981	118.59	35.35
0682	Oxidised mild steel screws 50 mm (slotted counters sunk head type)	100 Nos	2.00	77.00	154.00
	LABOUR				
0111	Carpenter 1st class	day	2.68	487.00	1305.16
0114	Beldar	day	1.35	368.00	496.80
9999	Sundries for glue etc.	L.S.	33.28	1.73	57.57
	TOTAL				26642.13
	Add 1 % Water charges				266.42
	TOTAL				26908.55
	Add 15 % Contractor's profit and overheads				4036.28
	Cost for 10 sqm.				30944.83
	Cost for 1sqm.				3094.48
	Say				3094.50

11.33.2 Second class deodar wood

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 2.5x4=10 sqm. MATERIAL First 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	29.81	500.00	14905.00
2500	Extra for selected planks of second class deodarwood	10 cudm	29.81	110.00	3279.10
2204	Carriage of Timber	cum	0.2981	118.59	35.35
0682	Oxidised mild steel screws 50 mm (slotted counters sunk head type)	100 Nos	2.00	77.00	154.00
	LABOUR				
0111	Carpenter 1st class	day	2.16	487.00	1051.92
0114	Beldar	day	1.08	368.00	397.44
9999	Sundries for glue etc.	L.S.	26.91	1.73	46.55
	TOTAL				19869.36
	Add 1 % Water charges				198.69
	TOTAL				20068.05
	Add 15 % Contractor's profit and overheads				3010.21
	Cost for 10 sqm.				23078.26
	Cost for 1sqm.				2307.82
	Say				2307.80

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 1sqm. Bitumen blown type i) For bed layer @ 2.45kg/sqm. = 2.45kg+ ii) For dipping blocks L.S. = 2.00Kg. Total = 4.45kg.				
0313	Blown type petroleum bitumen of penetration 85/25 of approved quality	tonne	0.0044	34561.00	152.07
2211	Carriage of Tar bitumen	tonne	0.0044	103.77	0.46
	1st class teal wood in scantling for wooden blocks 1 sqm x 0.038 m = 0.038 cum Add 10 % wastage = 0.0038 cum Total = 0.0418 cum or 41.8 cudm				
1187	First class teak wood in scantling	10 cudm	4.18	880.00	3678.40
2204	Carriage of Timber	cum	0.0418	118.59	4.96

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0111	Carpenter 1st class	day	1.75	487.00	852.25
0114	Beldar	day	2.25	368.00	828.00
0115	Coolie	day	1.50	368.00	552.00
0130	Mistry	day	0.10	487.00	48.70
9999	Sundries such as fuel, kerosene oil, sand paper etc.	L.S.	80.73	1.73	139.66
	TOTAL				6256.50
	Add 1 % Water charges				62.57
	TOTAL				6319.07
	Add 15 % Contractor's profit and overheads				947.86
	Cost for 1 sqm.				7266.93
	Say				7266.95

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 3m (11.40+0.24kg = 11.64kg)				
	MATERIAL				
	Angle iron 50x50x5 mm =3 m				
	Add wastage @ 5% = 0.15 m				
	Total =3.15 m @ 3.80 kg per m = 11.97 kg Say 0.12 qtl				
1007	Structurals such as tees,angles channels and R.S. joists	quintal	0.12	3775.00	453.00
	Lugs 10x5 mm flat = 6x0.10 = 0.60 m@ 0.40 kg per m = 0.24 kg				
	Add wastage @ 5% = 0.012 kg				
	Total 0.252 kg or 0.0025 qtl				
1008	Flats upto 10 mm in thickness	quintal	0.0025	3675.00	9.19
2205	Carriage of Steel	tonne	0.016	92.24	1.48
1215	Welding by electric plant 6cm (lugs)	cm	6.00	2.00	12.00
9999	Sundries	L.S.	9.10	1.73	15.74
	LABOUR				
0103	Blacksmith 2nd class	day	0.09	448.00	40.32
0123	Mason (brick layer) 1st class	day	0.45	487.00	219.15
0114	Beldar	day	0.25	368.00	92.00
	Priming coat 3x0.20 = 0.60 sqm				
13.50.3	Rate as per item no 13.50.3 of SH : Finishing	sqm	0.60	29.10	17.46(A)
	TOTAL				860.34
	Add 1 % Water charges on all except (A) i.e. on (860.34 - 17.46) = 842.88				8.43
	TOTAL				868.77
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (868.77 - 17.46) = 851.31				127.70
	Cost for 11.64 kg.				996.47
	Cost per 1 Kg.				85.60
	Say				85.60

- 11.36 Providing and fixing 1st 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 1 sqm MATERIAL Ceramic Glazed tiles = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
7800	Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black	Sq.m.	1.025	210.00	215.25
9977	Carriage of tiles 12 mm thick Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	6.24	1.73	10.80
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	4723.50	66.13
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	40.43	1.73	69.94
0367	Portland Cement LABOUR	tonne	0.0033	5700.00	18.81
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.25	368.00	92.00
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				641.23
	Add 1 % Water charges				6.41
	TOTAL				647.64
	Add 15 % Contractor's profit and overheads				97.15
	Cost for 1 sqm				744.79
	Say				744.80

- 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 1 sqm MATERIAL Glazed Ceramic floor tiles 300x300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7801	Ceramic Glazed Tiles 1st quality 300 x 300mm in all shades and designs of White, Ivory, grey, Fuem Red brown etc.	Sq.m.	1.025	210.00	215.25
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.024	3970.50	95.29
9999	Mortar for pointing in white cement	L.S.	20.20	1.73	34.95
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				592.65
	Add 1 % Water charges				5.93
	TOTAL				598.58
	Add 15 % Contractor's profit and overheads				89.79
	Cost for 1 sqm				688.37
	Say				688.35

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 1.00 Sqm				
	Material				
7801	Glazed Ceramic Floor Tile = 1.00 Sqm				
	Add for wastage and breakage @2.5% = 0.025 Sqm =1.025 Sqm	sqm	1.025	210.00	215.25
9999	Carriage of Tiles	L.S.	6.240	1.73	10.80
3.8	Cement mortar 1:3 (1 Cement: 3 Coarse Sand)	cum	0.014	4723.50	66.13
9999	Mortar for pointing in white cement	L.S.	3.640	1.73	6.30
0367	Cement for slurry over bed @3.3 Kg/Sqm	tonne	0.0033	5700.00	18.81
	Labour				
0123	Mason 1st Class	day	0.25	487.00	121.75
0115	Coolie	day	0.25	368.00	92.00
9999	Sundries including carriage of Cement etc	L.S.	26.91	1.73	46.55
	Total				577.59
	Add Water Charges @1%				5.11
	TOTAL				582.70
	Add CPOH @15%				77.49
	Cost 1 sqm				660.19
	Say				660.20

- 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 1 sqm MATERIAL Glazed Ceramic floor tiles 300x300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
7802	Ceramic Glazed Tiles 1st quality 300 x 300 in all shades designs except White, Ivory, Grey, Fume Red Brown etc.	sq.m.	1.025	260.00	266.50
9977	Carriage of tiles 20 mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand)	L.S.	6.24	1.73	10.80
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	3970.50	95.29
9999	Mortar for pointing in white cement Cement for slurry over bed @ 3.3 kg per sqm	L.S.	20.20	1.73	34.95
0367	Portland Cement LABOUR	tonne	0.0033	5700.00	18.81
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				643.90
	Add 1 % Water charges				6.44
	TOTAL				650.34
	Add 15 % Contractor's profit and overheads				97.55
	Cost for 1 sqm				747.89
	Say				747.90

- 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 1 sqm MATERIAL Rectified Ceramic Glazed floor tiles 300x 300 mm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7803	Rectified Ceramic Glazed Tiles 1st quality 300x300mm or more in all shades designs White, Ivory, Grey, Fuem Red Brown etc.	sq.m.	1.025	334.00	342.35
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.024	3970.50	95.29
9999	Mortar for pointing in white cement	L.S.	13.47	1.73	23.30
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				708.10
	Add 1 % Water charges				7.08
	TOTAL				715.18
	Add 15 % Contractor's profit and overheads				107.28
	Cost for 1 sqm				822.46
	Say				822.45

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 1 sqm				
	MATERIAL				
	Rectified Ceramic Glazed floor tiles 300x300 mm size or more = 1.000 sqm				
	Add for wastage & breakage @ 2.5 % = 0.025 sqm				
	Total = 1.025 sqm				
7804	Rectified Ceramic Glazed Tiles 1st quality 300x300mm or more in all shades designs except White, Ivory, Grey, Fuem Red Brown etc.	sq.m.	1.025	400.00	410.00
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.024	3970.50	95.29
9999	Mortar for pointing in white cement	L.S.	13.47	1.73	23.30
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				775.75
	Add 1 % Water charges				7.76
	TOTAL				783.51
	Add 15 % Contractor's profit and overheads				117.53
	Cost for 1 sqm				901.04
	Say				901.05

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 1 sqm				
	MATERIAL				
	Vitrified floor tiles 50x50 cm size = 1.000 sqm				
	Add for wastage & breakage @ 2.5 %				
	= 0.025 sqm				
	Total = 1.025 sqm				
8620	Vitrified floor tile 50x50 cm	sqm	1.025	490.00	502.25
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.024	3970.50	95.29
9999	Mortar for pointing in white cement	L.S.	3.64	1.73	6.30
	Cement for slurry over bed @ 3.3 kg per				
	sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				851.00
	Add 1 % Water charges				8.51
	TOTAL				859.51
	Add 15 % Contractor's profit and overheads				128.93
	Cost for 1 sqm				988.44
	Say				988.45

11.41.2 Size of Tile 600x600 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Vitrified floor tiles 60x60 cm size = 1.000 sqm				
	Add for wastage & breakage @ 2.5 %				
	= 0.025 sqm				
	Total = 1.025 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8621	Vitrified floor tile 60x60 cm	sqm	1.025	600.00	615.00
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.024	3970.50	95.29
9999	Mortar for pointing in white cement	L.S.	3.64	1.73	6.30
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				963.75
	Add 1 % Water charges				9.64
	TOTAL				973.39
	Add 15 % Contractor's profit and overheads				146.01
	Cost for 1 sqm				1119.40
	Say				1119.40

11.41.3 Size of Tile 800x800 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm				
	MATERIAL				
	Vitrified floor tiles 80x80 cm size = 1.000 sqm				
	Add for wastage & breakage @ 2.5 % = 0.025 sqm				
	Total = 1.025 sqm				
8622	Vitrified floor tile 80x80 cm	sqm	1.025	850.00	871.25
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.024	3970.50	95.29
9999	Mortar for pointing in white cement	L.S.	2.60	1.73	4.50
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				1218.20
	Add 1 % Water charges				12.18
	TOTAL				1230.38
	Add 15 % Contractor's profit and overheads				184.56
	Cost for 1 sqm				1414.94
	Say				1414.95

11.41.4 Size of Tile 1000x1000 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 sqm MATERIAL Vitrified floor tiles 100x100 cm size = 1.000 sqm Add for wastage & breakage @ 2.5 % = 0.025 sqm Total = 1.025 sqm				
8623	Vitrified floor tile 100x100 cm	sqm	1.025	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.024	3970.50	95.29
9999	Mortar for pointing in white cement	L.S.	2.60	1.73	4.50
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries including carriage of cement etc	L.S.	26.91	1.73	46.55
	TOTAL				1771.70
	Add 1 % Water charges				17.72
	TOTAL				1789.42
	Add 15 % Contractor's profit and overheads				268.41
	Cost for 1 sqm				2057.83
	Say				2057.85

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 ₹
	Details of cost for 1 sqm MATERIAL Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.024	3970.50	95.29
9999	Mortar for pointing in white cement	L.S.	40.43	1.73	69.94
	Cement for slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries i/c carriage of cement etc.	L.S.	26.91	1.73	46.55
	Total				401.59
	Add 1 % Water charges				4.02
	Total				405.61
	Add 15 % Contractor's profit and overheads				60.84
	Cost for 1 sqm				466.45
	Say				466.45

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	9.00	45.00
9999	Mortar for pointing in white cement	L.S.	40.43	1.73	69.94
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.20	368.00	73.60
9988	Sundries i/c carriage of cement etc.	L.S.	26.91	1.73	46.55
	Total				332.49
	Add 1 % Water charges				3.32
	Total				335.81
	Add 15 % Contractor's profit and overheads				50.37
	Cost for 1 sqm				386.18
	Say				386.20

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	3970.50	555.87
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.67	448.00	300.16
0114	Beldar	day	0.75	368.00	276.00
0101	Bhisti	day	0.92	407.00	374.44
9999	Sundries	L.S.	8.97	1.73	15.52
	Cement slurry for subgrade				
0367	Portland Cement	tonne	0.04	5700.00	228.00
2209	Carriage of Cement	tonne	0.04	92.24	3.69
	Labour for applying cement slurry				
0114	Beldar	day	0.50	368.00	184.00
	Top layer with tile piece and gap filling with cement mortar:				
	Ceramic tile piece for crazy flooring assuming 70% tile area and 30% of joint filler/mixture. $(7.00 \times 0.010) = 0.07$				
	$0.872 \times 0.07 / 0.051 = 1.20$ qtl				
2709	Ceramic Tiles Pieces for Crazy Flooring	quintal	1.20	135.00	162.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of tiles	L.S.	62.40	1.73	107.95
	Cement mortar 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	3970.50	119.12
4.18	Synthetic polyster triangular				
	Rate as per Item No.4.18 of SH: CONCRETE WORK	per bag of 50kg	1.38	53.00	73.14(A)
4.12	Water proofing compound				
	Rate as per Item No.4.12 of SH:CONCRETE WORK	of cement per bag of 50 kg of cement	1.38	47.95	66.17(A)
0123	Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0101	Bhisti	day	0.54	407.00	219.78
9999	Sundries	L.S.	67.25	1.73	116.34
	TOTAL				4122.58
	Add 1 % Water charges on all except (A) i.e. on (4122.58 - 139.31) = 3983.27				39.83
	TOTAL				4162.41
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (4162.41 - 139.31) = 4023.10				603.47
	Cost of 10 sqm.				4765.88
	Cost of 1 sqm.				476.58
	Say				476.60

11.45 Providing and laying 500x500x40 mm thick Turf paver (Turf pave 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	1300.00	1950.00
	1 x 10 x 0.15 = 1.5cum				
2202	Stone aggregate below 40 mm nominal size	cum	1.50	103.77	155.65
	LABOUR				
	for spreading ramming and consolidation of sub grade				
0114	Beldar	day	0.70	368.00	257.60
0115	Coolie	day	0.52	368.00	191.36
0101	Bhisti	day	0.36	407.00	146.52
	Providing and filling Jamuna sand				
2.27	Rate as per Item No.2.27 of SH: EARTH WORK	cum	1.50	917.75	1376.63(A)
2708	Truf Paver (500 x 500 x 40 mm)	sqm	10.00	500.00	5000.00
	Labour for laying of Turf pave				
0123	Mason (brick layer) 1st class	day	0.50	487.00	243.50
0114	Beldar	day	1.00	368.00	368.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	L.S.	50.00	1.73	86.50
	TOTAL				9775.76
	Add 1 % Water charges on all except (A) i.e. on (9775.76 - 1376.63) = 8399.13				83.99
	TOTAL				9859.75
	Add 15 % Contractor's profit and overheads on all except (A) i.e. on (9859.75 - 1376.63) = 8483.12				1272.47
	Cost of 10 sqm.				11132.22
	Cost of 1 sqm.				1113.22
	Say				1113.20

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 ₹
	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	490.00	502.25
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.014	4723.50	66.13
9999	Mortar for pointing in white cement	L.S.	3.64	1.73	6.30
	Cement slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.25	368.00	92.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				864.59
	Add 1 % Water charges				8.65
	TOTAL				873.24
	Add 15 % Contractor's profit and overheads				130.99
	Cost for 1 sqm				1004.23
	Say				1004.25

11.46.2 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	600.00	615.00
9977	Carriage of tiles 12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)	L.S.	6.24	1.73	10.80
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.014	4723.50	66.13
9999	Mortar for pointing in white cement Cement slurry over bed @ 3.3 kg per sqm	L.S.	3.64	1.73	6.30
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.25	368.00	92.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				977.34
	Add 1 % Water charges				9.77
	TOTAL				987.11
	Add 15 % Contractor's profit and overheads				148.07
	Cost for 1 sqm				1135.18
	Say				1135.20

11.46.3 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	850.00	871.25
9977	Carriage of tiles 12 mm thick Cement mortar 1 : 3 (1 cement : 3 coarse sand)	L.S.	6.24	1.73	10.80
3.8	Rate as per Item No.3.8 of SH:Mortars	cum	0.014	4723.50	66.13
9999	Mortar for pointing in white cement Cement slurry over bed @ 3.3 kg per sqm	L.S.	3.64	1.73	6.30
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.25	368.00	92.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				1233.59
	Add 1 % Water charges				12.34
	TOTAL				1245.93
	Add 15 % Contractor's profit and overheads				186.89
	Cost for 1 sqm				1432.82
	Say				1432.80

11.46.4 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	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
	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	0.014	4723.50	66.13
9999	Mortar for pointing in white cement	L.S.	3.64	1.73	6.30
	Cement slurry over bed @ 3.3 kg per sqm				
0367	Portland Cement	tonne	0.0033	5700.00	18.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.25	368.00	92.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				1787.09
	Add 1 % Water charges				17.87
	TOTAL				1804.96
	Add 15 % Contractor's profit and overheads				270.74
	Cost for 1 sqm				2075.70
	Say				2075.70

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 ₹
8624	Details for 1sqm (i.e. 13.33m length) Material Border tiles 200x75mm size 5mm thick Tile required= $1.00/(0.20 \times 0.075)=66.70$ tile. Add 2.5% wastage = 1.67 tile	each	68.00	16.00	1088.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Total 68.37 say 68 tiles				
	Carriage	L.S.	6.24	1.73	10.80
3.8	Cement mortar 1:3 for 12mm base	cum	0.014	4723.50	66.13
9999	Mortar for pointing in white cement	L.S.	40.43	1.73	69.94
0367	Cement for slurry over bed@ 3.3kg/sqm	MT	0.0033	5700.00	18.81
	Labour				
0123	Mason 1st class	each	0.25	487.00	121.75
0115	Coolie	each	0.25	368.00	92.00
	Sundries 26.91-0.16=26.75	L.S.	26.75	1.73	46.28
	Total				1513.71
	Add Water Charges @ 1 %				15.14
	Total				1528.85
	Add CPOH @ 15 %				229.33
	Details of cost for 1sqm				1758.18
	Details of cost for 1sqm i.e. 13.33 mts				1758.18
	Cost per mtr				131.90
	Say				131.90

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	490.00	502.25
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.50	368.00	184.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				955.35
	Add 1 % Water charges				9.55
	TOTAL				964.90
	Add 15 % Contractor's profit and overheads				144.74
	Cost for 1 sqm				1109.64
	Say				1109.65

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+ Add wastage & breakage @ 2.5% = 0.025 sqm Total = 1.025 sqm				
8621	Vitrified floor tile 60x60 cm	sqm	1.025	600.00	615.00
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.50	368.00	184.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				1068.10
	Add 1 % Water charges				10.68
	TOTAL				1078.78
	Add 15 % Contractor's profit and overheads				161.82
	Cost for 1 sqm				1240.60
	Say				1240.60

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	850.00	871.25
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.50	368.00	184.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				1324.35
	Add 1 % Water charges				13.24
	TOTAL				1337.59
	Add 15 % Contractor's profit and overheads				200.64
	Cost for 1 sqm				1538.23
	Say				1538.25

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	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
8731	High polymer modified quickset tile adhesive.	per kg	10.00	9.00	90.00
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0115	Coolie	day	0.50	368.00	184.00
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				1877.85
	Add 1 % Water charges				18.78
	TOTAL				1896.63
	Add 15 % Contractor's profit and overheads				284.49
	Cost for 1 sqm				2181.12
	Say				2181.10

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	371.00	77.91
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.10	487.00	48.70
0115	Coolie	day	0.10	368.00	36.80
9988	Sundries including carriage	L.S.	5.00	1.73	8.65
	TOTAL				172.06
	Add 1 % Water charges				1.72
	TOTAL				173.78
	Add 15 % Contractor's profit and overheads				26.07
	Cost for 1 sqm				199.85
	Say				199.85

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	371.00	66.78

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.08	487.00	38.96
0115	Coolie	day	0.08	368.00	29.44
9988	Sundries including carriage	L.S.	5.00	1.73	8.65
	TOTAL				143.83
	Add 1 % Water charges				1.44
	TOTAL				145.27
	Add 15 % Contractor's profit and overheads				21.79
	Cost for 1 sqm				167.06
	Say				167.05

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	371.00	55.65
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.06	487.00	29.22
0115	Coolie	day	0.06	368.00	22.08
9988	Sundries including carriage	L.S.	5.00	1.73	8.65
	TOTAL				115.60
	Add 1 % Water charges				1.16
	TOTAL				116.76
	Add 15 % Contractor's profit and overheads				17.51
	Cost for 1 sqm				134.27
	Say				134.25

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	371.00	40.81
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.04	487.00	19.48
0115	Coolie	day	0.04	368.00	14.72
9988	Sundries including carriage	L.S.	5.00	1.73	8.65
	TOTAL				83.66
	Add 1 % Water charges				0.84
	TOTAL				84.50
	Add 15 % Contractor's profit and overheads				12.68
	Cost for 1 sqm				97.18
	Say				97.20

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	490.00	502.25
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
8731	High polymer modified quickset tile adhesive. LABOUR	per kg	10.00	9.00	90.00
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.40	368.00	147.20
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				894.20
	Add 1 % Water charges				8.94
	TOTAL				903.14
	Add 15 % Contractor's profit and overheads				135.47
	Cost for 1 sqm				1038.61
	Say				1038.60

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	600.00	615.00
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
8731	High polymer modified quickset tile adhesive. LABOUR	per kg	10.00	9.00	90.00
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.40	368.00	147.20
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				1006.95
	Add 1 % Water charges				10.07
	TOTAL				1017.02
	Add 15 % Contractor's profit and overheads				152.55
	Cost for 1 sqm				1169.57
	Say				1169.55

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	850.00	871.25
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
8731	High polymer modified quickset tile adhesive. LABOUR	per kg	10.00	9.00	90.00
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.40	368.00	147.20
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				1263.20
	Add 1 % Water charges				12.63
	TOTAL				1275.83
	Add 15 % Contractor's profit and overheads				191.37
	Cost for 1 sqm				1467.20
	Say				1467.20

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	1390.00	1424.75
9977	Carriage of tiles	L.S.	6.24	1.73	10.80
8731	High polymer modified quickset tile adhesive. LABOUR	per kg	10.00	9.00	90.00
0123	Mason (brick layer) 1st class	day	0.20	487.00	97.40
0115	Coolie	day	0.40	368.00	147.20
9988	Sundries including carriage of quick set polymer etc.	L.S.	26.91	1.73	46.55
	TOTAL				1816.70
	Add 1 % Water charges				18.17
	TOTAL				1834.87
	Add 15 % Contractor's profit and overheads				275.23
	Cost for 1 sqm				2110.10
	Say				2110.10

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	1.73	5.40
9999	LABOUR	L.S.	1.00	1.73	1.73
	TOTAL				7.13
	Add 1 % Water charges				0.07
	TOTAL				7.20
	Add 15 % Contractor's profit and overheads				1.08
	Cost for 1 sqm				8.28
	Say				8.30

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 mortar 1:4 (1 cement :4 coarse sand)	sqm	11.50	3200.00	36800.00
3.9	Rate as per Item No.3.9 of SH: MORTARS				
	Cement for slurry @, 4.4 kg/sqm				
	(i) for bedding=44 kg+				
	(ii) for jointing= 6 kg				
	Total=50 kg	cum	0.224	3970.50	889.39
0368	White Cement	tonne	0.05	11200.00	560.00
2209	Carriage of white Cement	tonne	0.05	92.24	4.61
9999	carriage of marble slab	L.S.	26.91	1.73	46.55
	LABOUR :				
	(for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.20	487.00	584.40
0114	Beldar	day	1.00	368.00	368.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Mortar for pointing in white cement	L.S.	25.74	1.73	44.53
	TOTAL				43100.48
	Add 1 % Water charges				431.00
	TOTAL				43531.48
	Add 15 % Contractor's profit and overheads				6529.72
	Cost of 10 sqm.				50061.20
	Cost of 1 sqm.				5006.12
	Say				5006.10

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 mortar 1:4 (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	3970.50	889.39
0368	White Cement	tonne	0.05	11200.00	560.00
2209	Carriage of white Cement	tonne	0.05	92.24	4.61
9999	carriage of marble slab	L.S.	26.91	1.73	46.55
	LABOUR :				
	(for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.75	487.00	852.25
0114	Beldar	day	1.25	368.00	460.00
0115	Coolie	day	1.00	368.00	368.00
0139	Skilled Beldar (for floor rubbing etc.)	day	5.00	407.00	2035.00
0013	Machine for rubbing of floors	day	4.00	350.00	1400.00
9999	Mortar for pointing in white cement	L.S.	25.74	1.73	44.53
	TOTAL				45060.33
	Add 1 % Water charges				450.60
	TOTAL				45510.93
	Add 15 % Contractor's profit and overheads				6826.64
	Cost of 10 Sq.m.				52337.57
	Cost of 1 Sq.m.				5233.75
	Say				5233.75

- 11.53 Providing and fixing Glass mosaic 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 mosaic tiles (20 mm x 20 mm x 4mm)				
	Add for wastage 2.5%= 0.2 sqm				
	Total: 8.20 sqm				
1242	Glass mosaic tiles (20 mm x 20 mm x 4 mm)	sqm	8.20	1076.00	8823.20
1243	Tile fixing chemical adhesive	kg	20.00	20.00	400.00
1244	Cement Polymer Grout Compound	kg	10.00	25.00	250.00
1245	Acid for cleaning tiles	litre	4.00	18.00	72.00
9999	carriage of marble slab	L.S.	49.92	1.73	86.36
	LABOUR :				
	(for finishing , polishing and fixing)				
0123	Mason (brick layer) 1st class	day	1.60	487.00	779.20
0115	Coolie	day	1.60	368.00	588.80
9999	Sundries including carriage of adhesive etc.	L.S.	26.91	1.73	46.55
	TOTAL				11046.11
	Add 1 % Water charges				110.46
	TOTAL				11156.57
	Add 15 % Contractor's profit and overheads				1673.49
	Cost for 8.00 sqm				12830.06
	Cost for 1.00 sqm				1603.75
	Say				1603.75

- 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	750.00	219000.00
2712	Zinc Electroplated Pedestals - 300 mm	each	360.00	140.00	50400.00
2714	Zinc Electroplated Tube Stinger	each	570.00	66.00	37620.00
2715	Machine Screw for Fixing	each	1140.00	2.00	2280.00
7048	Rawl Plug floor pedestal grouting on floor	each	1440.00	10.00	14400.00
9999	Carriage of material	L.S.	490.00	1.73	847.70
	LABOUR :				
0111	Carpenter 1st class	day	25.00	487.00	12175.00
0114	Beldar	day	25.00	368.00	9200.00
9999	Sundries	L.S.	329.00	1.73	569.17
	TOTAL				346491.87
	Add 1 % Water charges				3464.92
	TOTAL				349956.79
	Add 15 % Contractor's profit and overheads				52493.52
	Cost of 100 sqm.				402450.31
	Cost of 1 sqm				4024.50
	Say				4024.50

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	750.00	219000.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2713	Zinc Electroplated Pedestals - 450 mm	each	360.00	200.00	72000.00
2714	Zinc Electroplated Tube Stinger	each	570.00	66.00	37620.00
2715	Machine Screw for Fixing	each	1140.00	2.00	2280.00
7048	Rawl plug 50 mm (designation 10 no.)	each	1440.00	10.00	14400.00
9999	Carriage of material	L.S.	490.00	1.73	847.70
	LABOUR :				
0111	Carpenter 1st class	day	25.00	487.00	12175.00
0114	Beldar	day	25.00	368.00	9200.00
9999	Sundries	L.S.	329.00	1.73	569.17
	TOTAL				368091.87
	Add 1 % Water charges				3680.92
	TOTAL				371772.79
	Add 15 % Contractor's profit and overheads				55765.92
	Cost of 100 sqm.				427538.71
	Cost of 1 sqm				4275.38
	Say				4275.40

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	5200.00	120952.00
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	92.24	214.55
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	115.00	9315.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810=1694	100 Nos	16.94	35.00	592.90
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	1.73	46.55
9999	Sundries LABOUR	L.S.	53.82	1.73	93.11
0130	Mistry	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	15.50	448.00	6944.00
0114	Beldar	day	15.50	368.00	5704.00
4202	Red oxide Zinc chromate primer	litre	2.53	65.00	164.45
9977	Carriage of material	L.S.	0.52	1.73	0.90
0131	Painter	day	1.13	448.00	506.24
0115	Coolie	day	1.13	368.00	415.84
9999	Brushes, sand papers i/c sundries	L.S.	50.57	1.73	87.49
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of paint	L.S.	6.76	1.73	11.69
0131	Painter	day	2.53	448.00	1133.44
0115	Coolie	day	2.53	368.00	931.04
9999	Brushes and Sandpapers	L.S.	31.98	1.73	55.33
9999	Sundries	L.S.	38.09	1.73	65.90
	TOTAL				152184.93
	Add 1 % Water charges				1521.85
	TOTAL				153706.78
	Add 15 % Contractor's profit and overheads				23056.02
	Cost of 184.518 Sqm.				176762.80
	Cost of 1 Sqm.				957.97
	Say				957.95

12.1.2 0.80 mm thick with zinc coating not less than 275 gm/m²

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	<p>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.I.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</p>				
3050	Galvanised steel corrugated sheets	quintal	19.02	5200.00	98904.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2302	Carriage of G.I. sheet and accessories 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. $2 \times 26(\text{laps}) \times 17$ nos. = 884 nos.	tonne	1.902	92.24	175.44
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) $2 \times 5 \times 27$ (No. of sheets) $\times 23$ Nos. of bolts in each sheet = 810 Nos	10 Nos	81.00	115.00	9315.00
1207	G.I. Limpet washer (total of seam and J bolts) $884 + 810 = 1694$	100 Nos	16.94	35.00	592.90
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	53.82	1.73	93.11
	LABOUR				
0130	Mistry	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	15.50	448.00	6944.00
0114	Beldar	day	15.50	368.00	5704.00
4202	Red oxide Zinc chromate primer	litre	2.53	65.00	164.45
9977	Carriage of material	L.S.	0.52	1.73	0.90
0131	Painter	day	1.13	448.00	506.24
0115	Coolie	day	1.13	368.00	415.84
9999	Brushes, sand papers i/c sundries	L.S.	50.57	1.73	87.49
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00
9977	Carriage of paint	L.S.	6.76	1.73	11.69
0131	Painter	day	2.53	448.00	1133.44
0115	Coolie	day	2.53	368.00	931.04
9999	Brushes and Sandpapers	L.S.	31.98	1.73	55.33
9999	Sundries	L.S.	38.09	1.73	65.90
	TOTAL				130097.82
	Add 1 % Water charges				1300.98
	TOTAL				131398.80
	Add 15 % Contractor's profit and overheads				19709.82
	Cost of 184.518 Sqm.				151108.62
	Cost of 1 Sqm.				818.93
	Say				818.95

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 = $2 \times 18.09 \times 5.1 = 184.518$ sqm. Details of length and breadth. Length = $26(\text{laps}) \times 0.135(\text{each lap}) = 3.51$ Width of Corrugator sheet with 10 corrugation measured end to end = 0.8 metres 27 (nos. of sheets) $\times 0.80$				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	(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.I.Sheets 0.8mm 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	5200.00	80132.00
2302	Carriage of G.I. sheet and accessories 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.	tonne	1.54	92.24	142.05
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	115.00	9315.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	35.00	592.90
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	53.82	1.73	93.11
	LABOUR				
0130	Mistry	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	15.50	448.00	6944.00
0114	Beldar	day	15.50	368.00	5704.00
4202	Red oxide Zinc chromate primer	litre	2.53	65.00	164.45
9977	Carriage of material	L.S.	0.52	1.73	0.90
0131	Painter	day	1.13	448.00	506.24
0115	Coolie	day	1.13	368.00	415.84
9999	Brushes, sand papers i/c sundries	L.S.	50.57	1.73	87.49
0845	Roofing paint for iron sheets in red colour	litre	3.75	120.00	450.00
9977	Carriage of paint	L.S.	6.76	1.73	11.69

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0131	Painter	day	2.53	448.00	1133.44
0115	Coolie	day	2.53	368.00	931.04
9999	Brushes and Sandpapers	L.S.	31.98	1.73	55.33
9999	Sundries	L.S.	38.09	1.73	65.90
	TOTAL				111292.43
	Add 1 % Water charges				1112.92
	TOTAL				112405.35
	Add 15 % Contractor's profit and overheads				16860.80
	Cost of 184.518 Sqm.				129266.15
	Cost of 1 Sqm.				700.56
	Say				700.55

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 50dm ² and the perimeter of the hole 3 metre				
	LABOUR				
0102	Blacksmith 1st class	day	0.15	487.00	73.05
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				128.25
	Add 1 % Water charges				1.28
	TOTAL				129.53
	Add 15 % Contractor's profit and overheads				19.43
	Cost of 3.00 metres				148.96
	Cost of 1.00 metre				49.65
	Say				49.65

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 50dm ² and the perimeter of the hole 3 metre				
	LABOUR				
0102	Blacksmith 1st class	day	0.12	487.00	58.44
0114	Beldar	day	0.12	368.00	44.16
	TOTAL				102.60
	Add 1 % Water charges				1.03
	TOTAL				103.63
	Add 15 % Contractor's profit and overheads				15.54
	Cost of 3.00 metres				119.17
	Cost of 1.00 metre				39.72
	Say				39.70

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 50dm ² and the perimeter of the hole 3 metre				
0102	LABOUR Blacksmith 1st class	day	0.12	487.00	58.44
0114	Beldar	day	0.12	368.00	44.16
	TOTAL				102.60
	Add 1 % Water charges				1.03
	TOTAL				103.63
	Add 15 % Contractor's profit and overheads				15.54
	Cost of 3.00 metres				119.17
	Cost of 1.00 metre				39.72
	Say				39.70

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				
0102	LABOUR Blacksmith 1st class	day	3.13	487.00	1524.31
0114	Beldar	day	6.26	368.00	2303.68
	TOTAL				3827.99
	Add 1 % Water charges				38.28
	TOTAL				3866.27
	Add 15 % Contractor's profit and overheads				579.94
	Cost of 15.71 metres				4446.21
	Cost of 1.00 metre				283.01
	Say				283.00

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				
0102	LABOUR Blacksmith 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	5.00	368.00	1840.00
	TOTAL				3057.50
	Add 1 % Water charges				30.58
	TOTAL				3088.08
	Add 15 % Contractor's profit and overheads				463.21
	Cost of 15.71 metres				3551.29
	Cost of 1.00 metre				226.05
	Say				226.05

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				
0102	Blacksmith 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	5.00	368.00	1840.00
	TOTAL				3057.50
	Add 1 % Water charges				30.58
	TOTAL				3088.08
	Add 15 % Contractor's profit and overheads				463.21
	Cost of 15.71 metres				3551.29
	Cost of 1.00 metre				226.05
	Say				226.05

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/m ² 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	5600.00	3248.00
2302	Carriage of G.I. sheet and accessories	tonne	0.058	92.24	5.35
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	2.80	37.00	103.60
	25mmx6mm (There are 14 joints)				
1211	G.I. plain washer for seam bolts	100 Nos	0.28	30.00	8.40
1208	Bitumen washer	100 Nos	0.28	30.00	8.40
9977	Carriage of seam bolts and washers	L.S.	1.82	1.73	3.15
9999	Sundries	L.S.	13.52	1.73	23.39
	LABOUR				
0130	Mistry	day	0.40	487.00	194.80
0102	Blacksmith 1st class	day	1.20	487.00	584.40
0103	Blacksmith 2nd class	day	0.80	448.00	358.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	2.40	368.00	883.20
	TOTAL				5421.09
	Add 1 % Water charges				54.21
	TOTAL				5475.30
	Add 15 % Contractor's profit and overheads				821.30
	Cost of 10.35 metres				6296.60
	Cost of 1.00 metre				608.36
	Say				608.35

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	5600.00	2632.00
2302	Carriage of G.I. sheet and accessories	tonne	0.047	92.24	4.34
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	2.80	37.00	103.60
	25mmx6mm (There are 14 joints)				
1211	G.I. plain washer for seam bolts	100 Nos	0.28	30.00	8.40
1208	Bitumen washer	100 Nos	0.28	30.00	8.40
9977	Carriage of seam bolts and washers	L.S.	1.82	1.73	3.15
9999	Sundries	L.S.	13.52	1.73	23.39
	LABOUR				
0130	Mistry	day	0.40	487.00	194.80
0102	Blacksmith 1st class	day	1.20	487.00	584.40
0103	Blacksmith 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	2.40	368.00	883.20
	TOTAL				4804.08
	Add 1 % Water charges				48.04
	TOTAL				4852.12
	Add 15 % Contractor's profit and overheads				727.82
	Cost of 10.35 metres				5579.94
	Cost of 1.00 metre				539.12
	Say				539.10

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. Total = 122.20 kg. or 1.222q.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0992	Galvanised steel plain sheets	quintal	1.222	5600.00	6843.20
2302	Carriage of G.I. sheet and accessories	tonne	0.12	92.24	11.07
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	1.20	37.00	44.40
	25mmx6mm (There are 14 joints)				
1211	G.I. plain washer for seam bolts	100 Nos	0.12	30.00	3.60
1208	Bitumen washer	100 Nos	0.12	30.00	3.60
9977	Carriage of bolts, nuts and washers	L.S.	0.91	1.73	1.57
9999	Sundries	L.S.	13.52	1.73	23.39
	LABOUR				
0130	Mistry	day	0.40	487.00	194.80
0102	Blacksmith 1st class	day	1.20	487.00	584.40
0103	Blacksmith 2nd class	day	0.80	448.00	358.40
0114	Beldar	day	2.40	368.00	883.20
	TOTAL				8951.63
	Add 1 % Water charges				89.52
	TOTAL				9041.15
	Add 15 % Contractor's profit and overheads				1356.17
	Cost of 9.3250 metres				10397.32
	Cost of 1.00 metre				1114.99
	Say				1115.00

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 12.125m Consider a length of flashing 12.125 metres. MATERIAL				
	G.I. plain sheet 1.25mm thick 3.2x0.75m 2 nos. @ 20.64 Kg. = 41.28 Kg.+ Add 2% wastage = 0.83 Kg Total = 42.11 Kg. or 0.4211 quintal				
0992	Galvanised steel plain sheets	quintal	0.4211	5600.00	2358.16
2302	Carriage of G.I. sheet and accessories	tonne	0.041	92.24	3.78
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.60	37.00	22.20
	(taking 2 bolts per joints)				
1207	G.I. Limpet washer	100 Nos	0.06	35.00	2.10
1208	Bitumen washer	100 Nos	0.06	30.00	1.80
9977	Carriage of G.I. seam bolts and washers	L.S.	0.39	1.73	0.67
9999	Sundries	L.S.	10.79	1.73	18.67
	LABOUR				
0130	Mistry	day	0.50	487.00	243.50
0102	Blacksmith 1st class	day	1.48	487.00	720.76
0103	Blacksmith 2nd class	day	1.00	448.00	448.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	3.00	368.00	1104.00
	TOTAL				4923.64
	Add 1 % Water charges				49.24
	TOTAL				4972.88
	Add 15 % Contractor's profit and overheads				745.93
	Cost of 12.125 metres				5718.81
	Cost of 1.00 metre				471.65
	Say				471.65

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 9.04m 0.80mm thick with zinc coating not less than 275gm/m ² Consider a length of 9.04m Sheet used = 2.5x0.90m = 2 nos. Wt. = 2x15.82=31.64 Kg. = 0.3164q Total = 0.3164quintal MATERIAL				
0992	Galvanised steel plain sheets	quintal	0.3164	5600.00	1771.84
2302	Carriage of G.I. sheet and accessories	tonne	0.0316	92.24	2.91
1008	Flats upto 10 mm in thickness	quintal	0.0749	3675.00	275.26
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	11.00	330.00
1210	G.I. plain washer thin	100 Nos	0.70	32.00	22.40
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	1.73	4.72
9999	Sundries	L.S.	5.33	1.73	9.22
	LABOUR				
0102	Blacksmith 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries	L.S.	12.61	1.73	21.82
0130	Mistry	day	0.28	487.00	136.36
0102	Blacksmith 1st class	day	0.84	487.00	409.08
0112	Carpenter 2nd class	day	0.62	448.00	277.76
0114	Beldar	day	1.68	368.00	618.24
	TOTAL				4395.11
	Add 1 % Water charges				43.95
	TOTAL				4439.06
	Add 15 % Contractor's profit and overheads				665.86
	Cost of 9.0400 metres				5104.92
	Cost of 1.00 metre				564.70
	Say				564.70

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 9.04m 0.63mm thick with zinc coating not less than 275gm/m ² Consider a length of 9.04m Sheet used = 2.5x0.90m = 2 nos. Wt. = 2x11.82=23.64 Kg. = 0.2364q Total = 0.2364quintal MATERIAL				
0992	Galvanised steel plain sheets	quintal	0.2364	5600.00	1323.84
2302	Carriage of G.I. sheet and accessories	tonne	0.0236	92.24	2.18
1008	Flats upto 10 mm in thickness	quintal	0.0749	3675.00	275.26
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	11.00	330.00
1210	G.I. plain washer thin	100 Nos	0.70	32.00	22.40
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	1.73	4.72
9999	Sundries	L.S.	5.33	1.73	9.22
	LABOUR				
0102	Blacksmith 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries	L.S.	12.61	1.73	21.82
0130	Mistry	day	0.28	487.00	136.36
0102	Blacksmith 1st class	day	0.84	487.00	409.08
0112	Carpenter 2nd class	day	0.62	448.00	277.76
0114	Beldar	day	1.68	368.00	618.24
	TOTAL				3946.38
	Add 1 % Water charges				39.46
	TOTAL				3985.84
	Add 15 % Contractor's profit and overheads				597.88
	Cost of 9.0400 metres				4583.72
	Cost of 1.00 metre				507.04
	Say				507.05

12.8 Providing high impact Polypropylene reinforced 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.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0223	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. Non - Asbestos fibre (high impact poly propelene reinforced) cement corrugated sheet 6mm thick.	sqm	237.93	225.00	53534.25
	2x20x0.42147 = 1.68588 + 2x20x0.35123= 1.4049 Total = 3.0908+ Add 3 % wastage = 0.092 Total = 3.1835 Say 3.184 t				
2273	Carriage of A.C.sheet and accessories	tonne	3.184	92.24	293.69
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	115.00	5474.00
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	1.73	13.94
9999	Sundries	L.S.	39.52	1.73	68.37
	LABOUR				
0130	Mistry	day	2.34	487.00	1139.58
0112	Carpenter 2nd class	day	9.34	448.00	4184.32
0114	Beldar	day	9.34	368.00	3437.12
	TOTAL				68454.67
	Add 1 % Water charges				684.55
	TOTAL				69139.22
	Add 15 % Contractor's profit and overheads				10370.88
	Cost of 216.14 sqm.				79510.10
	Cost of 1.00 sqm.				367.86
	Say				367.85

12.9 Extra for straight cutting in polypropylene reinforced 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 ₹
0111	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	487.00	58.44
0114	Beldar	day	0.12	368.00	44.16
	TOTAL				102.60
	Add 1 % Water charges				1.03
	TOTAL				103.63
	Add 15 % Contractor's profit and overheads				15.54
	Cost of 3.00 metres of periphery				119.17
	Cost of 1.00 metre of periphery				39.72
	Say				39.70

12.10 Extra for circular cutting in polypropylene reinforced 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 metric diameter i.e. 9.05 metric periphery LABOUR				
0111	Carpenter 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				855.00
	Add 1 % Water charges				8.55
	TOTAL				863.55
	Add 15 % Contractor's profit and overheads				129.53
	Cost of 9.05 metres of periphery				993.08
	Cost of 1.00 metre of periphery				109.73
	Say				109.75

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 30 metres Extra for providing and fixing wind ties of 40x6mm flat iron section. M.S. flat 40x6mm = 30 metres+ wastage @ 5% = 1.5 metres = 31.50 metres @ 1.9 Kg per metre = 59.85 Kg. = 0.5985 quintal				
1008	Flats upto 10 mm in thickness	quintal	0.5985	3675.00	2199.49
2205	Carriage of Steel	tonne	0.06	92.24	5.53
9999	Sundries	L.S.	20.67	1.73	35.76
0102	Blacksmith 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
	TOTAL				2668.28
	Add 1 % Water charges				26.68
	TOTAL				2694.96
	Add 15 % Contractor's profit and overheads				404.24
	Cost of 30.00 metres				3099.20
	Cost of 1.00 metre				103.30
	Say				103.30

12.12 Providing and fixing ridges and hips in fibre cement high impact polypropylene reinforced 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).				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0225	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 Non - Asbestos fibre (high impact poly propelene reinforced) cement corrugate serrated adjustable ridge.	metre	24.339	210.00	5111.19
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	1.73	23.39
9999	Sundries LABOUR	L.S.	6.76	1.73	11.69
0130	Mistry	day	0.14	487.00	68.18
0112	Carpenter 2nd class	day	0.55	448.00	246.40
0114	Beldar	day	1.64	368.00	603.52
	TOTAL				6064.37
	Add 1 % Water charges				60.64
	TOTAL				6125.01
	Add 15 % Contractor's profit and overheads				918.75
	Cost of 20.20 metre				7043.76
	Cost of 1.00 metre				348.70
	Say				348.70

12.12.2 Plain wing adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0226	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. nos x 1.22 = 24.339 metre Non - Asbestos fibre (high impact poly propelene reinforced) cement plain wing adjustable ridge.	metre	24.339	210.00	5111.19
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	1.73	23.39
9999	Sundries LABOUR	L.S.	6.76	1.73	11.69
0130	Mistry	day	0.14	487.00	68.18
0112	Carpenter 2nd class	day	0.55	448.00	246.40
0114	Beldar	day	1.64	368.00	603.52
	TOTAL				6064.37
	Add 1 % Water charges				60.64
	TOTAL				6125.01
	Add 15 % Contractor's profit and overheads				918.75
	Cost of 20.20 metre				7043.76
	Cost of 1.00 metre				348.70
	Say				348.70

12.12.3 Close fitting adjustable ridges

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0224	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 Non - Asbestos fibre (high impact poly propylene reinforced) cement close fitting adjustable ridge.	metre	28.182	210.00	5918.22
9977	Carriage	L.S.	16.12	1.73	27.89
9999	Sundries	L.S.	7.15	1.73	12.37
	LABOUR				
0130	Mistry	day	0.14	487.00	68.18
0112	Carpenter 2nd class	day	0.55	448.00	246.40
0114	Beldar	day	1.64	368.00	603.52
	TOTAL				6876.58
	Add 1 % Water charges				68.77
	TOTAL				6945.35
	Add 15 % Contractor's profit and overheads				1041.80
	Cost of 20.20 metre				7987.15
	Cost of 1.00 metre				395.40
	Say				395.40

12.12.4 Unserrated adjustable hips

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0227	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 Non - Asbestos fibre (high impact poly propylene reinforced) cement unserrated adjustable ridge for hips.	metre	24.339	210.00	5111.19
9977	Carriage	L.S.	6.76	1.73	11.69
9999	Sundries	L.S.	6.63	1.73	11.47
	LABOUR				
0130	Mistry	day	0.14	487.00	68.18
0112	Carpenter 2nd class	day	0.55	448.00	246.40
0114	Beldar	day	1.64	368.00	603.52
	TOTAL				6052.45
	Add 1 % Water charges				60.52
	TOTAL				6112.97
	Add 15 % Contractor's profit and overheads				916.95
	Cost of 20.20 metre				7029.92
	Cost of 1.00 metre				348.01
	Say				348.00

12.13 Providing and fixing fibre cement high impact polypropylene reinforced 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 apron pieces of 1.12 metre length = 20 nos.+ Add 5% wastage = 1.0 No. Total = 21 nos.x 1.12=23.52 metre				
0228	Non - Asbestos fibre (high impact polypropylene reinforced) cement corrugated apron piece.	metre	23.52	200.00	4704.00
9977	Carriage of apron pieces. (The apron pieces are to be fixed with the same hooks as the sheets)	L.S.	3.25	1.73	5.62
9999	Sundries	L.S.	3.25	1.73	5.62
	LABOUR				
0130	Mistry	day	0.07	487.00	34.09
0112	Carpenter 2nd class	day	0.28	448.00	125.44
0114	Beldar	day	0.82	368.00	301.76
	TOTAL				5176.53
	Add 1 % Water charges				51.77
	TOTAL				5228.30
	Add 15 % Contractor's profit and overheads				784.25
	Cost of 20.20 metre				6012.55
	Cost of 1.00 metre				297.65
	Say				297.65

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	Non - Asbestos fibre (high impact polypropylene reinforced) cement eaves filler piece.	each	21.00	175.00	3675.00
9999	The eaves filler pieces are to be fixed with the same hooks as the sheets	L.S.	3.25	1.73	5.62
9999	Sundries	L.S.	3.25	1.73	5.62
	LABOUR				
0130	Mistry	day	0.07	487.00	34.09
0112	Carpenter 2nd class	day	0.28	448.00	125.44

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.82	368.00	301.76
	TOTAL				4147.53
	Add 1 % Water charges				41.48
	TOTAL				4189.01
	Add 15 % Contractor's profit and overheads				628.35
	Cost of 20.20 metres				4817.36
	Cost of 1.00 metre				238.48
	Say				238.50

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	Non - Asbestos fibre (high impact poly propylene reinforced) cement north light curves.	metre	21.336	280.00	5974.08
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	40.00	115.00	460.00
1209	G.I. plain washer thick	100 Nos	40.00	35.00	14.00
1208	Bitumen washer	100 Nos	40.00	30.00	12.00
9977	Carriage of hooks, nuts, washers and curves	L.S.	9.88	1.73	17.09
9999	Sundries	L.S.	6.24	1.73	10.80
	LABOUR				
0130	Mistry	day	0.10	487.00	48.70
0112	Carpenter 2nd class	day	0.30	448.00	134.40
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				7039.07
	Add 1 % Water charges				70.39
	TOTAL				7109.46
	Add 15 % Contractor's profit and overheads				1066.42
	Cost of 20.20 metres				8175.88
	Cost of 1.00 metre				404.74
	Say				404.75

12.13.4 Ventilator curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of ventilator 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.				
	Total = 21 nos.x 1.016 = 21.336 metre				
0231	Non - Asbestos fibre (high impact poly propylene reinforced) cement ventilator curves.	each	21.336	310.00	6614.16

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	115.00	460.00
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	1.73	17.09
9999	Sundries	L.S.	6.24	1.73	10.80
	LABOUR				
0130	Mistry	day	0.10	487.00	48.70
0112	Carpenter 2nd class	day	0.30	448.00	134.40
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				7679.15
	Add 1 % Water charges				76.79
	TOTAL				7755.94
	Add 15 % Contractor's profit and overheads				1163.39
	Cost of 20.20 metre				8919.33
	Cost of 1.00 metre				441.55
	Say				441.55

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	Non - Asbestos fibre (high impact poly propylene reinforced) cement barge boards 6 mm thick.	metre	10.50	400.00	4200.00
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	37.00	18.50
1211	G.I. plain washer for seam bolts	100 Nos	0.10	30.00	3.00
1208	Bitumen washer	100 Nos	0.05	30.00	1.50
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	1.73	16.19
9999	Sundries	L.S.	6.76	1.73	11.69
	LABOUR				
0130	Mistry	day	0.04	487.00	19.48
0112	Carpenter 2nd class	day	0.06	448.00	26.88
0114	Beldar	day	0.40	368.00	147.20
	TOTAL				4444.44
	Add 1 % Water charges				44.44
	TOTAL				4488.88
	Add 15 % Contractor's profit and overheads				673.33
	Cost of 9.70 metre				5162.21
	Cost of 1.00 metre				532.18
	Say				532.20

12.13.6 Ridge finials

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of a pair of ridge final MATERIAL Ridge final = pair Add 5% wastage = 0.05pair. Total = 1.05 pair				
0233	Non - Asbestos fibre (high impact poly propylene reinforced) cement ridge finial .	pair	1.05	165.00	173.25
9988	Carriage, sundries, fixing charges including providing and fixing, seam bolts and nuts, with G.I. and bitumen washers	L.S.	10.79	1.73	18.67
	TOTAL				191.92
	Add 1 % Water charges				1.92
	TOTAL				193.84
	Add 15 % Contractor's profit and overheads				29.08
	Cost of 1.00 pair				222.92
	Say				222.90

12.13.7 Special north light curves

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	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	Non - Asbestos fibre (high impact poly propylene reinforced) cement special north light curves.	each	21.00	555.00	11655.00
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	115.00	460.00
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	1.73	17.09
9999	Sundries	L.S.	6.24	1.73	10.80
	LABOUR				
0130	Mistry	day	0.10	487.00	48.70
0112	Carpenter 2nd class	day	0.30	448.00	134.40
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				12719.99
	Add 1 % Water charges				127.20
	TOTAL				12847.19
	Add 15 % Contractor's profit and overheads				1927.08
	Cost of 20 nos				14774.27
	Cost of 1.00 no				738.71
	Say				738.70

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	Non - Asbestos fibre (high impact poly propelene reinforced) cement S type louvers.	each	5.25	260.00	1365.00
9977	Carriage	L.S.	10.79	1.73	18.67
1031	Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts	each	6.00	22.00	132.00
1032	Galvanised steel bolts 10 mm dia and 7 cm long with nuts	each	6.00	18.00	108.00
1208	Bitumen washer	100 Nos	0.18	30.00	5.40
1210	G.I. plain washer thin	100 Nos	0.36	32.00	11.52
9977	Carriage of bolts and nuts and washers	L.S.	2.73	1.73	4.72
9999	Sundries	L.S.	13.39	1.73	23.16
	LABOUR				
0111	Carpenter 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
0102	Blacksmith 1st class	day	0.12	487.00	58.44
	TOTAL				2581.91
	Add 1 % Water charges				25.82
	TOTAL				2607.73
	Add 15 % Contractor's profit and overheads				391.16
	Cost of 8.74 metres				2998.89
	Cost of 1.00 metre				343.12
	Say				343.10

12.14 Providing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing asbestos cement / G.S. sheets gutters with purlins.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Detail of cost for 20 metres MATERIAL				
	Flat 50x3mm size				
1008	Flats upto 10 mm in thickness	quintal	0.1163	3675.00	427.40
1025	Mild stel bolts 6 mm dia and 25 mm long with hexagonal head	10 Nos	3.80	27.00	102.60
1210	G.I. plain washer thin	100 Nos	0.19	32.00	6.08
9999	Sundries	L.S.	1.04	1.73	1.80
0102	Blacksmith 1st class	day	0.38	487.00	185.06
0114	Beldar	day	0.38	368.00	139.84
	TOTAL				862.78
	Add 1 % Water charges				8.63
	TOTAL				871.41
	Add 15 % Contractor's profit and overheads				130.71
	Cost of 20.00 metres				1002.12
	Cost of 1.00 metre				50.10
	Say				50.10

12.15 Painting top of roofs with bitumen of approved quality @ 17kg per 10 sqm impregnated with a coat of coarse sand at 60 cum 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	29600.00	503.20
0771	Kerosene oil	litre	1.22	45.00	54.90
0370	Coal (steam)	quintal	0.035	400.00	14.00
2211	Carriage of Tar bitumen	tonne	0.017	103.77	1.76
0982	Coarse sand (zone III)	cum	0.06	1200.00	72.00
2203	Carriage of Coarse sand	cum	0.06	103.77	6.23
	LABOUR				
0114	Beldar (for cleaning the surface, applying kerosene oil, heating materials and carrying the hot tar over the roof	day	0.38	368.00	139.84
0131	Painter	day	0.15	448.00	67.20
9999	Sundries (Brushes and T and P)	L.S.	13.52	1.73	23.39
	TOTAL				882.52
	Add 1 % Water charges				8.83
	TOTAL				891.35
	Add 15 % Contractor's profit and overheads				133.70
	Cost of 10.00 sqm.				1025.05
	Cost of 1 Sqm.				102.50
	Say				102.50

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) 10.00sqm.				
	MATERIAL				
	Mud Phuska = 1.048 cum. + Wastage 20% = 0.209 = 1.257 cum.				
0811	Mud (dry)	cum	1.257	150.00	188.55
	Mud mortar for 25 mm thick plaster over phuska				
3.18	Rate as per Item Number 3.18 of SH: Mortars	cum	0.263	533.20	140.23
	Bhusa 0.263x35 = 9.20 + 5% wastage = 0.46 Total = 9.66 Kg. say 10 kg = 0.1 q				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0308	Bhusa	quintal	0.10	600.00	60.00
9999	Cowdung	L.S.	5.33	1.73	9.22
9999	Mud mortar for gobri leaping	L.S.	8.06	1.73	13.94
9977	Carriage of bhusa and cowdung	L.S.	2.73	1.73	4.72
	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	5200.00	1976.00
2207	Carriage of Brick tiles	1000 Nos	0.38	166.03	63.09
	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	4252.70	259.41
	Integral water proofing compound 2% by weight of cement				
1213	Water proofing materials	kilogram	0.006	35.00	0.21
9999	Sundries	L.S.	6.76	1.73	11.69
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.30	448.00	582.40
0114	Beldar	day	3.75	368.00	1380.00
0101	Bhisti	day	1.10	407.00	447.70
	TOTAL				5137.16
	Add 1 % Water charges				51.37
	TOTAL				5188.53
	Add 15 % Contractor's profit and overheads				778.28
	Cost of 10.00 sqm.				5966.81
	Cost of 1 Sqm.				596.68
	Say				596.70

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 = 1.257 cum.				
0811	Mud (dry)	cum	1.257	150.00	188.55
	Mud mortar for 25 mm thick plaster over phuska				
3.18	Rate as per Item Number 3.18 of SH: Mortars	cum	0.263	533.20	140.23
	Bhusa 0.263x35 = 9.20				
	5% wastage = 0.46				
	Total = 9.66 Kg. say 10 kg = 0.1 q				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0308	Bhusa	quintal	0.10	600.00	60.00
9999	Cowdung	L.S.	5.33	1.73	9.22
9999	Mud mortar for gobri leaping	L.S.	8.06	1.73	13.94
9977	Carriage of bhusa and cowdung	L.S.	2.73	1.73	4.72
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1000 Nos	0.38	5000.00	1900.00
2207	Carriage of Brick tiles	1000 Nos	0.38	166.03	63.09
	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	4252.70	259.41
	Integral water proofing compound 2% by weight of cement				
1213	Water proofing materials	kilogram	0.006	35.00	0.21
9999	Sundries	L.S.	6.76	1.73	11.69
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.30	448.00	582.40
0114	Beldar	day	3.75	368.00	1380.00
0101	Bhisti	day	1.10	407.00	447.70
	TOTAL				5061.16
	Add 1 % Water charges				50.61
	TOTAL				5111.77
	Add 15 % Contractor's profit and overheads				766.77
	Cost of 10.00 sqm.				5878.54
	Cost of 1 Sqm.				587.85
	Say				587.85

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	150.00	19.50
0114	Beldar	day	0.07	368.00	25.76
0101	Bhisti	day	0.04	407.00	16.28
9999	Labour for leaping and carrying to roof	L.S.	26.91	1.73	46.55
	TOTAL				108.09
	Add 1 % Water charges				1.08
	TOTAL				109.17
	Add 15 % Contractor's profit and overheads				16.38
	Cost of 10.00 sqm.				125.55
	Cost of 1 Sqm.				12.55
	Say				12.55

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	5200.00	1976.00
2207	Carriage of Brick tiles	1000 Nos	0.38	166.03	63.09
	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	4252.70	761.23
	Integral water proofing compound 2% by weight of cement				
1213	Water proofing materials	kilogram	0.005	35.00	0.18
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.81	448.00	362.88
0115	Coolie	day	1.08	368.00	397.44
0101	Bhisti	day	0.27	407.00	109.89
9999	Sundries	L.S.	1.82	1.73	3.15
	TOTAL				3673.86
	Add 1 % Water charges				36.74
	TOTAL				3710.60
	Add 15 % Contractor's profit and overheads				556.59
	Cost of 10.00 sqm.				4267.19
	Cost of 1 Sqm.				426.71
	Say				426.70

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	9000.00	1440.00
2207	Carriage of Brick tiles	1000 Nos	0.16	166.03	26.56
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.037	3970.50	146.91
	Integral water proofing compound 2% by weight of cement				
1213	Water proofing materials	kilogram	0.01	35.00	0.35
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.224	3970.50	889.39

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	487.00	292.20
0114	Beldar	day	2.60	368.00	956.80
9999	Sundries	L.S.	13.00	1.73	22.49
	TOTAL				3774.70
	Add 1 % Water charges				37.75
	TOTAL				3812.45
	Add 15 % Contractor's profit and overheads				571.87
	Cost of 10.00 sqm.				4384.32
	Cost of 1 Sqm.				438.43
	Say				438.45

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 10 metres cement concrete				
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0836	1300.00	108.68
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0836	103.77	8.68
0982	Coarse sand (zone III)	cum	0.0418	1200.00	50.16
2203	Carriage of Coarse sand	cum	0.0418	103.77	4.34
0367	Portland Cement (OPC-43 grade)	tonne	0.03	5700.00	171.00
2209	Carriage of Cement	tonne	0.03	92.24	2.77
0114	Beldar	day	0.085	368.00	31.28
0115	Coolie	day	0.056	368.00	20.61
0101	Bhisti	day	0.025	407.00	10.18
0123	Mason (brick layer) 1st class	day	0.005	487.00	2.44
0124	Mason (brick layer) 2nd class	day	0.005	448.00	2.24
0128	Mate	day	0.0037	407.00	1.51
9999	Hire and running charge of mechanical mixer	L.S.	2.47	1.73	4.27
9999	Sundries	L.S.	1.30	1.73	2.25
0123	Mason (brick layer) 1st class	day	0.15	487.00	73.05
0124	Mason (brick layer) 2nd class	day	0.15	448.00	67.20
9999	Sundries	L.S.	5.07	1.73	8.77
0123	Mason (brick layer) 1st class	day	0.25	487.00	121.75
0124	Mason (brick layer) 2nd class	day	0.25	448.00	112.00
0114	Beldar	day	1.00	368.00	368.00
9977	Carriage	L.S.	8.06	1.73	13.94
	Cement mortar for grouting 1:3 (1 cement : 3 fine sand)				
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.009	4252.70	38.27
0155	Mason (average)	day	0.081	467.00	37.83
0115	Coolie	day	0.101	368.00	37.17
0101	Bhisti	day	0.033	407.00	13.43

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Hire and running charges of mechanical mixer	L.S.	1.69	1.73	2.92
9999	Sundries	L.S.	1.43	1.73	2.47
	TOTAL				1317.21
	Add 1 % Water charges				13.17
	TOTAL				1330.38
	Add 15 % Contractor's profit and overheads				199.56
	Cost of 10.00 metre				1529.94
	Cost of 1.00 metre				152.99
	Say				153.00

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 x 1 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 ₹
0295	Details of cost for 1 no. Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0067	1300.00	8.71
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0022	1300.00	2.86
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0089	103.77	0.92
0982	Coarse sand (zone III)	cum	0.0044	1200.00	5.28
2203	Carriage of Coarse sand	cum	0.0044	103.77	0.46
0367	Portland Cement (OPC-43 grade)	tonne	0.0032	5700.00	18.24
2209	Carriage of Cement	tonne	0.0032	92.24	0.30
0114	Beldar	day	0.009	368.00	3.31
0115	Coolie	day	0.006	368.00	2.21
0101	Bhisti	day	0.0027	407.00	1.10
0123	Mason (brick layer) 1st class	day	0.0005	487.00	0.24
0124	Mason (brick layer) 2nd class	day	0.0005	448.00	0.22
0128	Mate	day	0.0004	407.00	0.16
9999	Hire and running charge of mechanical mixer	L.S.	0.26	1.73	0.45
9999	Sundries	L.S.	0.13	1.73	0.22
3002	Polyvinyle chloride sheet 400 micron thick Cement mortar 1:3 (1 cement : 3 coarse sand)	sqm	1.00	40.00	40.00
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.0041	4723.50	19.37
0155	Mason (average)	day	0.0235	467.00	10.97
0115	Coolie	day	0.0235	368.00	8.65
0101	Bhisti	day	0.0078	407.00	3.17
9999	Sundries	L.S.	0.39	1.73	0.67
0367	Portland Cement (OPC-43 grade)	tonne	0.0006	5700.00	3.42
2209	Carriage of Cement	tonne	0.0006	92.24	0.06
0155	Mason (average)	day	0.008	467.00	3.74
0115	Coolie	day	0.008	368.00	2.94
9999	Rounding of edges and making outlet	L.S.	0.26	1.73	0.45
9999	Sundries	L.S.	13.52	1.73	23.39
	TOTAL				161.51
	Add 1 % Water charges				1.62
	TOTAL				163.13
	Add 15 % Contractor's profit and overheads				24.47
	Cost of 1 no.				187.60
	Say				187.60

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 ₹
1174	Details of cost for 10 sqm. MATERIAL Red sand stone slab 45 mm and 50 mm thick (un-dressed) including wastage @ 10% = 11 sqm	sqm	11.00	225.00	2475.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1 : 4 (1 cement : 4 coarse sand)	tonne	1.27	92.24	117.14
3.9	Rate as per Item Number 3.9 of SH: Mortars Cement mortar for grouting 1:3 (1 cement : 3 fine sand)	cum	0.0095	3970.50	37.72
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.0075	4252.70	31.90
	LABOUR				
0155	Mason (average)	day	1.52	467.00	709.84
0100	Bandhani	day	1.82	407.00	740.74
0115	Coolie	day	1.52	368.00	559.36
0101	Bhisti	day	0.30	407.00	122.10
9999	Sundries	L.S.	16.12	1.73	27.89
	TOTAL				4821.69
	Add 1 % Water charges				48.22
	TOTAL				4869.91
	Add 15 % Contractor's profit and overheads				730.49
	Cost of 10.00 sqm.				5600.40
	Cost of 1 Sqm.				560.04
	Say				560.05

12.23.2 White sand stone slab

12.23.2.1 40 to 50 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1175	Details of cost for 10 sqm. MATERIAL White sand stone slab 45 mm and 50 mm thick (un-dressed) including wastage @ 10% = 11sqm	sqm	11.00	225.00	2475.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1 : 4 (1 cement : 4 coarse sand)	tonne	1.27	92.24	117.14
3.9	Rate as per Item Number 3.9 of SH: Mortars	cum	0.0095	3970.50	37.72

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	LABOUR Mason (average)	day	1.52	467.00	709.84
0100	Bandhani	day	1.82	407.00	740.74
0115	Coolie	day	1.52	368.00	559.36
0101	Bhisti	day	0.30	407.00	122.10
9999	Sundries	L.S.	16.12	1.73	27.89
3.3	Cement mortar for grouting 1:3 (1 cement : 3 fine sand) Rate as per Item Number 3.3 of SH: Mortars	cum	0.0075	4252.70	31.90
	TOTAL				4821.69
	Add 1 % Water charges				48.22
	TOTAL				4869.91
	Add 15 % Contractor's profit and overheads				730.49
	Cost of 10.00 sqm.				5600.40
	Cost of 1 Sqm.				560.04
	Say				560.05

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 ₹
0332	Details of cost for 10 sqm. MATERIAL Natural colour insulating board:12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	220.00	2420.00
9977	Carriage of material	L.S.	17.55	1.73	30.36
9999	Nails	L.S.	26.91	1.73	46.55
	LABOUR				
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.00	368.00	736.00
9999	Scaffolding	L.S.	31.07	1.73	53.75
9999	Sundries	L.S.	31.07	1.73	53.75
	TOTAL				4557.91
	Add 1 % Water charges				45.58
	TOTAL				4603.49
	Add 15 % Contractor's profit and overheads				690.52
	Cost of 10.00 sqm.				5294.01
	Cost of 1.00 sqm.				529.40
	Say				529.40

12.24.2 White face insulating board

12.24.2.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0328	Details of cost for 10 sqm. MATERIAL White face insulating board:12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	250.00	2750.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of material	L.S.	17.55	1.73	30.36
9999	Nails	L.S.	26.91	1.73	46.55
	LABOUR				
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.00	368.00	736.00
9999	Scaffolding	L.S.	31.07	1.73	53.75
9999	Sundries	L.S.	31.07	1.73	53.75
	TOTAL				4887.91
	Add 1 % Water charges				48.88
	TOTAL				4936.79
	Add 15 % Contractor's profit and overheads				740.52
	Cost of 10.00 sqm.				5677.31
	Cost of 1.00 sqm.				567.73
	Say				567.75

12.24.3 Flame retardant face insulating board

12.24.3.1 12 mm thick

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0336	Details of cost for 10 sqm. MATERIAL Flame retardant face insulating board: 12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	330.00	3630.00
9977	Carriage of material	L.S.	17.55	1.73	30.36
9999	Nails	L.S.	26.91	1.73	46.55
	LABOUR				
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.00	368.00	736.00
9999	Scaffolding	L.S.	31.07	1.73	53.75
9999	Sundries	L.S.	31.07	1.73	53.75
	TOTAL				5767.91
	Add 1 % Water charges				57.68
	TOTAL				5825.59
	Add 15 % Contractor's profit and overheads				873.84
	Cost of 10.00 sqm.				6699.43
	Cost of 1.00 sqm.				669.94
	Say				669.95

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 ₹
0341	Details of cost for 10 sqm. MATERIAL Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick including 10% wastage = 11.00 sqm	sqm	11.00	330.00	3630.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage	L.S.	14.95	1.73	25.86
9999	Nails	L.S.	26.91	1.73	46.55
	LABOUR				
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.00	368.00	736.00
9999	Scaffolding	L.S.	31.07	1.73	53.75
9999	Sundries	L.S.	31.07	1.73	53.75
	TOTAL				5763.41
	Add 1 % Water charges				57.63
	TOTAL				5821.04
	Add 15 % Contractor's profit and overheads				873.16
	Cost of 10.00 sqm.				6694.20
	Cost of 1.00 sqm.				669.42
	Say				669.40

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 seperately).

12.26.1 6 mm thick Cement fiber board as per IS: 14862

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 10 sqm.				
	MATERIAL				
0236	Non - Asbestos multi purpose fibre (high impact poly propylene reinforced) cement board 6mm thick. including 10% wastage = 11.00 sqm	sqm	11.00	210.00	2310.00
9977	Carriage	L.S.	14.95	1.73	25.86
9999	Nails	L.S.	26.91	1.73	46.55
	LABOUR				
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.00	368.00	736.00
9999	Scaffolding	L.S.	31.07	1.73	53.75
9999	Sundries	L.S.	31.07	1.73	53.75
	TOTAL				4443.41
	Add 1 % Water charges				44.43
	TOTAL				4487.84
	Add 15 % Contractor's profit and overheads				673.18
	Cost of 10.00 sqm.				5161.02
	Cost of 1.00 sqm.				516.10
	Say				516.10

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	205.00	2255.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage	L.S.	14.95	1.73	25.86
9999	Nails	L.S.	26.91	1.73	46.55
	LABOUR				
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.00	368.00	736.00
9999	Scaffolding	L.S.	31.07	1.73	53.75
9999	Sundries	L.S.	31.07	1.73	53.75
	TOTAL				4388.41
	Add 1 % Water charges				43.88
	TOTAL				4432.29
	Add 15 % Contractor's profit and overheads				664.84
	Cost of 10 sqm				5097.13
	Cost of 1 sqm				509.71
	Say				509.70

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 = $10 \times 22/7 \times 0.5 = 15.71m$ Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96sqm.$ + Wastage @ 10% = 0.19 sqm. = 2.15 sqm x 20mm = 0.043 cum				
1190	Second class teak wood in planks	10 cudm	4.30	675.00	2902.50
2204	Carriage of Timber	cum	0.041	118.59	4.86
0637	Bright finished or black enamelled mild steel screws 40 mm	100 Nos	0.31	63.00	19.53
	LABOUR				
0111	Carpenter 1st class	day	2.65	487.00	1290.55
0112	Carpenter 2nd class	day	0.145	448.00	64.96
0114	Beldar	day	2.79	368.00	1026.72
9999	Scaffolding	L.S.	7.8	1.73	13.49
9999	Sundries	L.S.	14.69	1.73	25.41
	TOTAL				5348.02
	Add 1 % Water charges				53.48
	TOTAL				5401.50
	Add 15 % Contractor's profit and overheads				810.23
	Cost of 15.71 metre				6211.73
	Cost of 1.00 metre				395.39
	Say				395.40

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 = $10 \times 22/7 \times 0.5 = 15.71\text{m}$ Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96\text{sqm.}$ + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0332	Natural colour insulating board:12 mm thick	sqm	2.15	220.00	473.00
9977	Carriage	L.S.	3.38	1.73	5.85
9999	Nails	L.S.	5.33	1.73	9.22
	LABOUR				
0111	Carpenter 1st class	day	0.49	487.00	238.63
0114	Beldar	day	0.39	368.00	143.52
9999	Scaffolding	L.S.	6.11	1.73	10.57
9999	Sundries	L.S.	6.11	1.73	10.57
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.50	368.00	920.00
9999	Scaffolding	L.S.	10.79	1.73	18.67
	TOTAL				3047.53
	Add 1 % Water charges				30.48
	TOTAL				3078.01
	Add 15 % Contractor's profit and overheads				461.70
	Cost of 15.71 metre				3539.71
	Cost of 1.00 metre				225.31
	Say				225.30

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 = $10 \times 22/7 \times 0.5 = 15.71\text{m}$ Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96\text{sqm.}$ + Wastage @ 10% = 0.19 sqm. Total = 2.15 sqm.				
0328	White face insulating board:12 mm thick	sqm	2.15	250.00	537.50
9977	Carriage	L.S.	3.38	1.73	5.85
9999	Nails	L.S.	5.33	1.73	9.22
	LABOUR				
0111	Carpenter 1st class	day	0.49	487.00	238.63
0114	Beldar	day	0.39	368.00	143.52
9999	Scaffolding	L.S.	6.11	1.73	10.57
9999	Sundries	L.S.	6.11	1.73	10.57
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.50	368.00	920.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding	L.S.	10.79	1.73	18.67
	TOTAL				3112.03
	Add 1 % Water charges				31.12
	TOTAL				3143.15
	Add 15 % Contractor's profit and overheads				471.47
	Cost of 15.71 metre				3614.62
	Cost of 1.00 metre				230.08
	Say				230.10

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 = $10 \times 22/7 \times 0.5 = 15.71\text{m}$				
	Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96\text{sqm.}$ +				
	Wastage @ 10% = 0.19 sqm.				
	Total = 2.15 sqm.				
0336	Flame retardant face insulating board: 12 mm thick	sqm	2.15	330.00	709.50
9977	Carriage	L.S.	3.38	1.73	5.85
9999	Nails	L.S.	5.33	1.73	9.22
	LABOUR				
0111	Carpenter 1st class	day	0.49	487.00	238.63
0114	Beldar	day	0.39	368.00	143.52
9999	Scaffolding	L.S.	6.11	1.73	10.57
9999	Sundries	L.S.	6.11	1.73	10.57
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.50	368.00	920.00
9999	Scaffolding	L.S.	10.79	1.73	18.67
	TOTAL				3284.03
	Add 1 % Water charges				32.84
	TOTAL				3316.87
	Add 15 % Contractor's profit and overheads				497.53
	Cost of 15.71 metre				3814.40
	Cost of 1.00 metre				242.80
	Say				242.80

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 = $10 \times 22/7 \times 0.5 = 15.71\text{m}$				
	Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96\text{sqm.}$ +				
	Wastage @ 10% = 0.19 sqm.				
	Total = 2.15 sqm.				
0994	Standard quality hard board sheet 3 mm thick	sqm	2.15	144.00	309.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage	L.S.	2.73	1.73	4.72
9999	Nails	L.S.	5.33	1.73	9.22
	LABOUR				
0111	Carpenter 1st class	day	0.49	487.00	238.63
0114	Beldar	day	0.39	368.00	143.52
9999	Scaffolding	L.S.	6.11	1.73	10.57
9999	Sundries	L.S.	6.11	1.73	10.57
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.50	368.00	920.00
9999	Scaffolding	L.S.	10.79	1.73	18.67
	TOTAL				2883.00
	Add 1 % Water charges				28.83
	TOTAL				2911.83
	Add 15 % Contractor's profit and overheads				436.77
	Cost of 15.71 metre				3348.60
	Cost of 1.00 metre				213.15
	Say				213.15

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 = $10 \times 22/7 \times 0.5 = 15.71\text{m}$				
	Area = $10 \times (22/7) / 4 \times 0.5 \times 0.5 = 1.96\text{sqm.}$ +				
	Wastage @ 10% = 0.19 sqm.				
	Total = 2.15 sqm.				
0996	Standard quality hard board sheet				
	4.5 mm thick	sqm	2.15	1.00	2.15
9977	Carriage	L.S.	2.86	1.73	4.95
9999	Nails	L.S.	5.33	1.73	9.22
	LABOUR				
0111	Carpenter 1st class	day	0.49	487.00	238.63
0114	Beldar	day	0.39	368.00	143.52
9999	Scaffolding	L.S.	6.11	1.73	10.57
9999	Sundries	L.S.	6.11	1.73	10.57
0111	Carpenter 1st class	day	2.50	487.00	1217.50
0114	Beldar	day	2.50	368.00	920.00
9999	Scaffolding	L.S.	10.79	1.73	18.67
	TOTAL				2575.78
	Add 1 % Water charges				25.76
	TOTAL				2601.54
	Add 15 % Contractor's profit and overheads				390.23
	Cost of 15.71 metre				2991.77
	Cost of 1.00 metre				190.43
	Say				190.45

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	487.00	487.00
0112	Carpenter 2nd class	day	1.00	448.00	448.00
0114	Beldar	day	2.00	368.00	736.00
	TOTAL				1671.00
	Add 1 % Water charges				16.71
	TOTAL				1687.71
	Add 15 % Contractor's profit and overheads				253.16
	Cost of 10.00 sqm.				1940.87
	Cost of 1.00 sqm.				194.08
	Say				194.10

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 4.00x2.5=10sqm.				
	MATERIAL				
	Wooden strips of 1st class kail wood 72x40x0.25x0.06 = 43.20 cudm. + Add 10% wastage = 4.32 cudm. Total = 47.52				
1196	First class kail wood in planks	10 cudm	4.752	310.00	1473.12
2204	Carriage of Timber	cum	0.0475	118.59	5.63
1219	Wire nails required for fixing the laths to frame work including breakage and wastage of nails	kilogram	0.75	60.00	45.00
	Rabbit wire mesh required for reinforcement =2.5x4 = 10.00sqm.+ Add 2% wastage = 0.20 sqm. Total = 10.2 sqm.				
1220	Wire mesh (rabbit)	sqm	10.20	42.00	428.40
	Plaster of paris - 2.5x4.0x10x1121/1000 = 112.10 kg. Add for plaster of paris joining into the side of the laths- 2.5x4.0x4.0032x1121/1000 = 44.87 kg. Total = 156.97+ Add 40% wastage = 62.79 Total = 219.76 kg				
0869	Plaster of Paris	kilogram	219.76	4.00	879.04
2308	Carriage of Plaster of paris	tonne	0.22	92.24	20.29
9977	Carriage of wiremesh and nails etc.	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	1.60	487.00	779.20
0114	Beldar	day	1.60	368.00	588.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0122	For doing plaster of paris over wooden strips				
	Mason (for plaster of paris work) 1st class	day	3.23	487.00	1573.01
0114	Beldar	day	3.23	368.00	1188.64
0101	Bhisti	day	0.54	407.00	219.78
9999	Scaffolding	L.S.	83.98	1.73	145.29
9999	Sundries	L.S.	53.82	1.73	93.11
	TOTAL				7444.03
	Add 1 % Water charges				74.44
	TOTAL				7518.47
	Add 15 % Contractor's profit and overheads				1127.77
	Cost of 10.00 sqm.				8646.24
	Cost of 1.00 sqm.				864.62
	Say				864.60

12.31.2 Curved surfaces

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 4.00x2.5=10sqm. MATERIAL				
	Wooden strips of 1st class kail wood 72x40x0.25x0.06 = 43.20 cu dm. + Add 10% wastage = 4.32 cu dm. Total = 47.52 cu dm				
1196	First class kail wood in planks	10 cu dm	4.752	310.00	1473.12
2204	Carriage of Timber	cum	0.0475	118.59	5.63
1219	Wire nails	kilogram	0.75	60.00	45.00
	required for fixing the laths to frame work including breakage and wastage of nails Rabbit wire mesh required for reinforcement =2.5x4 = 10.00sqm.+ Add 2% wastage = 0.20 sqm. Total = 10.2 sqm.				
1220	Wire mesh (rabbit)	sqm	10.20	42.00	428.40
	Plaster of paris - 2.5x4.0x10x1121/1000 = 112.10 kg. Add for plaster of paris joining into the side of the laths- 2.5x4.0x4.0032x1121/1000 = 44.87 kg. Total = 156.97+ Add 40% wastage = 62.79 Total = 219.76 kg				
0869	Plaster of Paris	kilogram	219.76	4.00	879.04
2308	Carriage of Plaster of paris	tonne	0.22	92.24	20.29
9977	Carriage of wiremesh and nails etc.	L.S.	2.73	1.73	4.72
	LABOUR				
0111	Carpenter 1st class	day	1.60	487.00	779.20
0114	Beldar	day	1.60	368.00	588.80
0122	Mason (for plaster of paris work) 1st class	day	3.23	487.00	1573.01
0114	Beldar	day	3.23	368.00	1188.64
0101	Bhisti	day	0.54	407.00	219.78
9999	Scaffolding	L.S.	83.98	1.73	145.29
9999	Sundries	L.S.	53.82	1.73	93.11
0111	Carpenter 1st class	day	0.50	487.00	243.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0122	Mason (for plaster of paris work) 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.50	368.00	552.00
	TOTAL				8726.53
	Add 1 % Water charges				87.27
	TOTAL				8813.80
	Add 15 % Contractor's profit and overheads				1322.07
	Cost of 10.00 sqm.				10135.87
	Cost of 1.00 sqm.				1013.58
	Say				1013.60

12.32 Extra for sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0869	Details of cost for 10 sqm.				
	Plaster of Paris	kilogram	109.88	4.00	439.52
2308	Carriage of Plaster of paris	tonne	0.11	92.24	10.15
	LABOUR				
0122	Mason (for plaster of paris work) 1st class	day	2.00	487.00	974.00
0114	Beldar	day	2.00	368.00	736.00
0101	Bhisti	day	0.25	407.00	101.75
9999	Scaffolding and Sundries	L.S.	13.52	1.73	23.39
	TOTAL				2284.81
	Add 1 % Water charges				22.85
	TOTAL				2307.66
	Add 15 % Contractor's profit and overheads				346.15
	Cost of 10.00 sqm.				2653.81
	Cost of 1.00 sqm.				265.38
	Say				265.40

12.33 Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Details of cost for 10sqm/metre height				
	Scaffolding	L.S.	13.52	1.73	23.39
	LABOUR				
0122	Mason (for plaster of paris work) 1st class	day	1.00	487.00	487.00
0114	Beldar	day	1.00	368.00	368.00
0101	Bhisti	day	0.25	407.00	101.75
	TOTAL				980.14
	Add 1 % Water charges				9.80
	TOTAL				989.94
	Add 15 % Contractor's profit and overheads				148.49
	Cost of 10.00sqm / metre height				1138.43
	Cost of 1.00 sqm. / metre height				113.84
	Say				113.85

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/m ³ 50 mm thick	sqm	11.00	150.00	1650.00
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram	L.S.	104.00	1.73	179.92
9999	GI chicken mesh 12.5mm x 24 SWG LABOUR	L.S.	351.00	1.73	607.23
0111	Carpenter 1st class	day	1.00	487.00	487.00
0114	Beldar	day	2.00	368.00	736.00
	TOTAL				3660.15
	Add 1 % Water charges				36.60
	TOTAL				3696.75
	Add 15 % Contractor's profit and overheads				554.51
	Cost of 10.00 sqm.				4251.26
	Cost of 1.00 sqm.				425.12
	Say				425.10

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/m ³ 50 mm thick	sqm	11.00	105.00	1155.00
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram LABOUR	L.S.	52.00	1.73	89.96
0111	Carpenter 1st class	Day	0.50	487.00	243.50
0114	Beldar	Day	0.50	368.00	184.00
	TOTAL				1672.46
	Add 1 % Water charges				16.72
	TOTAL				1689.18
	Add 15 % Contractor's profit and overheads				253.38
	Cost of 10.00 sqm.				1942.56
	Cost of 1.00 sqm.				194.25
	Say				194.25

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	130.00	1430.00
0314	Bitumen hot sealing compound : grade A	kilogram	0.25	28.00	7.00
9999	Sundries	L.S.	13.00	1.73	22.49
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
	TOTAL				1886.99
	Add 1 % Water charges				18.87
	TOTAL				1905.86
	Add 15 % Contractor's profit and overheads				285.88
	Cost of 10.00 sqm.				2191.74
	Cost of 1.00 sqm.				219.17
	Say				219.15

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	155.00	1705.00
0314	Bitumen hot sealing compound : grade A	kilogram	0.25	28.00	7.00
9999	Sundries	L.S.	13.00	1.73	22.49
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
	TOTAL				2161.99
	Add 1 % Water charges				21.62
	TOTAL				2183.61
	Add 15 % Contractor's profit and overheads				327.54
	Cost of 10.00 sqm.				2511.15
	Cost of 1 sqm.				251.11
	Say				251.10

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	40.00	400.00
9977	CARRIAGE	L.S.	13.52	1.73	23.39
9999	Mortar	L.S.	13.52	1.73	23.39
	Labour for fixing and placing in position				
0124	Mason (brick layer) 2nd class	day	0.40	448.00	179.20
0114	Beldar	day	0.40	368.00	147.20
9999	Sundries	L.S.	5.33	1.73	9.22
	TOTAL				782.40
	Add 1 % Water charges				7.82
	TOTAL				790.22
	Add 15 % Contractor's profit and overheads				118.53
	Cost of 10.00 spouts				908.75
	Cost of 1.00 spout				90.87
	Say				90.85

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 5 nos.				
	MATERIAL				
1331	M.S.Holder bat clamp of approved design for 100 mm S.C.I. pipe	each	5.00	20.00	100.00
	C.C. block 5x0.1x0.1x0.1 = 0.005 cum				
9977	Carriage of bat clamps	L.S.	2.47	1.73	4.27
9999	Sundries	L.S.	7.15	1.73	12.37
	LABOUR				
0116	Fitter (grade 1)	day	0.125	487.00	60.88
0124	Mason (brick layer) 2nd class	day	0.75	448.00	336.00
0114	Beldar	day	0.50	368.00	184.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0033	1300.00	4.29
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0011	1300.00	1.43
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0044	103.77	0.46
0982	Coarse sand (zone III)	cum	0.0022	1200.00	2.64
2203	Carriage of Coarse sand	cum	0.0022	103.77	0.23
0367	Portland Cement (OPC-43 grade)	tonne	0.0016	5700.00	9.12
2209	Carriage of Cement	tonne	0.0016	92.24	0.15
0114	Beldar	day	0.0045	368.00	1.66
0115	Coolie	day	0.0032	368.00	1.18

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.0014	407.00	0.57
0123	Mason (brick layer) 1st class	day	0.0003	487.00	0.15
0124	Mason (brick layer) 2nd class	day	0.0003	448.00	0.13
0128	Mate	day	0.0002	407.00	0.08
9999	Hire charges of machine etc.	L.S.	0.26	1.73	0.45
9999	Sundries	L.S.	0.13	1.73	0.22
9999	Sundries	L.S.	0.13	1.73	0.22
	TOTAL				720.50
	Add 1 % Water charges				7.21
	TOTAL				727.71
	Add 15 % Contractor's profit and overheads				109.16
	Cost of 5.00 bat clamps				836.87
	Cost of 1.00 bat clamp				167.37
	Say				167.35

12.38.2 150 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost of 5 nos. MATERIAL				
0886	Standard holdar bat clamps for sand cast iron or cast iron pipes 150 mm dia	each	5.00	45.00	225.00
	C.C. block 5x0.1x0.1x0.1 = 0.005 cum				
9977	Carriage of bat clamps	L.S.	2.47	1.73	4.27
9999	Sundries	L.S.	7.15	1.73	12.37
	LABOUR				
0116	Fitter (grade 1)	day	0.125	487.00	60.88
0124	Mason (brick layer) 2nd class	day	0.75	448.00	336.00
0114	Beldar	day	0.50	368.00	184.00
0295	Stone Aggregate (Single size) : 20 mm nominal size	cum	0.0033	1300.00	4.29
0297	Stone Aggregate (Single size) : 10 mm nominal size	cum	0.0011	1300.00	1.43
2202	Carriage of Stone aggregate below 40 mm nominal size	cum	0.0044	103.77	0.46
0982	Coarse sand (zone III)	cum	0.0022	1200.00	2.64
2203	Carriage of Coarse sand	cum	0.0022	103.77	0.23
0367	Portland Cement (OPC-43 grade)	tonne	0.0016	5700.00	9.12
2209	Carriage of Cement	tonne	0.0016	92.24	0.15
0114	Beldar	day	0.0045	368.00	1.66
0115	Coolie	day	0.0032	368.00	1.18
0101	Bhisti	day	0.0014	407.00	0.57
0123	Mason (brick layer) 1st class	day	0.0003	487.00	0.15
0124	Mason (brick layer) 2nd class	day	0.0003	448.00	0.13
0128	Mate	day	0.0002	407.00	0.08
9999	Hire charges of machine etc.	L.S.	0.26	1.73	0.45
9999	Sundries	L.S.	0.13	1.73	0.22
9999	Sundries	L.S.	0.13	1.73	0.22
	TOTAL				845.50
	Add 1 % Water charges				8.46
	TOTAL				853.96
	Add 15 % Contractor's profit and overheads				128.09
	Cost of 5.00 bat clamps				982.05
	Cost of 1.00 bat clamp				196.41
	Say				196.40

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	138.00	135.24
1001	Spun yarn	kilogram	0.11	50.00	5.50
9999	Kerosene oil fuel and sundries	L.S.	13.52	1.73	23.39
9977	Carriage of materials	L.S.	1.43	1.73	2.47
	LABOUR				
0116	Fitter (grade 1)	day	0.06	487.00	29.22
0117	Assistant Fitter or 2nd class Fitter	day	0.06	448.00	26.88
0114	Beldar	day	0.12	368.00	44.16
	TOTAL				266.86
	Add 1 % Water charges				2.67
	TOTAL				269.53
	Add 15 % Contractor's profit and overheads				40.43
	Cost of 1.00 joint				309.96
	Say				309.95

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	138.00	204.24
1001	Spun yarn	kilogram	0.17	50.00	8.50
9999	Kerosene oil fuel and sundries	L.S.	13.52	1.73	23.39
9977	Carriage of materials	L.S.	2.73	1.73	4.72
	LABOUR				
0116	Fitter (grade 1)	day	0.08	487.00	38.96
0117	Assistant Fitter or 2nd class Fitter	day	0.08	448.00	35.84
0114	Beldar	day	0.15	368.00	55.20
	TOTAL				370.85
	Add 1 % Water charges				3.71
	TOTAL				374.56
	Add 15 % Contractor's profit and overheads				56.18
	Cost of 1.00 joint				430.74
	Say				430.75

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 ₹
0966	Details of cost for one shoe Sand Cast iron plain shoe 150 mm dia	each	1.00	310.00	310.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9988	Carriage, fixing and mortar	L.S.	17.55	1.73	30.36
	TOTAL				340.36
	Add 1 % Water charges				3.40
	TOTAL				343.76
	Add 15 % Contractor's profit and overheads				51.56
	Cost of 1.00 bend				395.32
	Say				395.30

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 ₹
7188	Details of cost for 6.00 metres U-PVC pipes (working pressure 4 kg / sqcm.) Single socketed pipe 75 mm dia.	metre	6.00	72.00	432.00
7190	U-PVC pipes (working pressure 4 kg / sqcm.) Rubber (Seal) Ring 75 mm dia.	each	1.00	8.00	8.00
9977	Carriage of materials	L.S.	13.52	1.73	23.39
9999	Adhesive, and sundries etc.	L.S.	6.76	1.73	11.69
	LABOUR				
0116	Fitter (grade 1)	day	0.19	487.00	92.53
0114	Beldar	day	0.37	368.00	136.16
0100	Bandhani	day	0.08	407.00	32.56
9999	Scaffolding etc.	L.S.	18.59	1.73	32.16
	TOTAL				768.49
	Add 1 % Water charges				7.68
	TOTAL				776.17
	Add 15 % Contractor's profit and overheads				116.43
	Cost of 6.00 metre				892.60
	Cost of 1.00 metre				148.76
	Say				148.75

12.41.2 110 mm diameter

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7189	Details of cost for 6.00 metres U-PVC pipes (working pressure 4 kg / sqcm) Single socketed pipe 110 mm dia.	metre	6.00	135.00	810.00
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	1.73	30.36
9999	Adhesive, and sundries etc.	L.S.	8.06	1.73	13.94
	LABOUR				
0116	Fitter (grade 1)	day	0.23	487.00	112.01
0114	Beldar	day	0.45	368.00	165.60
0100	Bandhani	day	0.11	407.00	44.77

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Scaffolding etc.	L.S.	18.59	1.73	32.16
	TOTAL				1220.84
	Add 1 % Water charges				12.21
	TOTAL				1233.05
	Add 15 % Contractor's profit and overheads				184.96
	Cost of 6.00 metre				1418.01
	Cost of 1.00 metre				236.33
	Say				236.35

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 ₹
7192	Details of cost for 1 coupler 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	8.00	16.00
9999	Adhesive, and sundries etc. LABOUR	L.S.	2.73	1.73	4.72
9988	Carriage and fixing charges	L.S.	9.36	1.73	16.19
	TOTAL				55.91
	Add 1 % Water charges				0.56
	TOTAL				56.47
	Add 15 % Contractor's profit and overheads				8.47
	Cost of 1 coupler				64.94
	Say				64.95

12.42.1.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7193	Details of cost for 1 coupler 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. LABOUR	L.S.	2.73	1.73	4.72
9988	Carriage and fixing charges	L.S.	10.79	1.73	18.67
	TOTAL				88.39
	Add 1 % Water charges				0.88
	TOTAL				89.27
	Add 15 % Contractor's profit and overheads				13.39
	Cost of 1 coupler				102.66
	Say				102.65

12.42.2 Single pushfit Coupler**12.42.2.1 75 mm**

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7194	Details of cost for 1 coupler				
7190	UPVC pushfit coupler (single) 75 mm thick	each	1.00	19.00	19.00
9999	U-PVC pipes (working pressure 4 kg / sqcm.) Rubber (Seal) Ring 75 mm dia.	each	2.00	8.00	16.00
9988	Adhesive, and sundries etc.	L.S.	2.73	1.73	4.72
	Carriage and fixing charges	L.S.	9.36	1.73	16.19
	TOTAL				55.91
	Add 1 % Water charges				0.56
	TOTAL				56.47
	Add 15 % Contractor's profit and overheads				8.47
	Cost of 1 coupler				64.94
	Say				64.95

12.42.2.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7195	Details of cost for 1 coupler				
7191	UPVC pushfit coupler (single) 110 mm thick	each	1.00	34.00	34.00
9999	U-PVC pipes (working pressure 4 kg / sq.cm) Rubber (Seal) Ring 110 mm dia.	each	2.00	12.00	24.00
9988	Adhesive, and sundries etc.	L.S.	2.73	1.73	4.72
	Carriage and fixing charges	L.S.	10.79	1.73	18.67
	TOTAL				81.39
	Add 1 % Water charges				0.81
	TOTAL				82.20
	Add 15 % Contractor's profit and overheads				12.33
	Cost of 1 coupler				94.53
	Say				94.55

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				
7198	MATERIAL				
7190	UPVC single equal Tee (with door) 75x75x75 mm	each	1.00	62.00	62.00
9988	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.	each	3.00	8.00	24.00
	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	10.76	1.73	18.61
	TOTAL				104.61
	Add 1 % Water charges				1.05
	TOTAL				105.66
	Add 15 % Contractor's profit and overheads				15.85
	Cost of 1 tee				121.51
	Say				121.50

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	97.00	97.00
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	1.73	23.30
	TOTAL				156.30
	Add 1 % Water charges				1.56
	TOTAL				157.86
	Add 15 % Contractor's profit and overheads				23.68
	Cost of 1 tee				181.54
	Say				181.55

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 (with door) 75x75x75 mm	each	1.00	48.00	48.00
7190	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.	each	3.00	8.00	24.00
9988	Adhesive, Carriage of material rubber washer etc. including fixing charges	L.S.	10.76	1.73	18.61
	TOTAL				90.61
	Add 1 % Water charges				0.91
	TOTAL				91.52
	Add 15 % Contractor's profit and overheads				13.73
	Cost of 1 tee				105.25
	Say				105.25

12.42.4.2 110x110x110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 tee MATERIAL				
7197	UPVC single equal Tee (with door) 110x110x110 mm	each	1.00	85.00	85.00
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	1.73	23.30
	TOTAL				144.30
	Add 1 % Water charges				1.44
	TOTAL				145.74
	Add 15 % Contractor's profit and overheads				21.86
	Cost of 1 tee				167.60
	Say				167.60

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	37.00	37.00
7190	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.	each	1.00	8.00	8.00
9999	Adhesive, and sundries etc.	L.S.	2.73	1.73	4.72
9988	Carriage and fixing charges	L.S.	9.36	1.73	16.19
	TOTAL				65.91
	Add 1 % Water charges				0.66
	TOTAL				66.57
	Add 15 % Contractor's profit and overheads				9.99
	Cost of 1 bend				76.56
	Say				76.55

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	62.00	62.00
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	1.73	4.72
9988	Carriage and fixing charges	L.S.	10.79	1.73	18.67
	TOTAL				97.39
	Add 1 % Water charges				0.97
	TOTAL				98.36
	Add 15 % Contractor's profit and overheads				14.75
	Cost of 1 bend				113.11
	Say				113.10

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 bend	each	1.00	28.00	28.00
7190	U-PVC pipes (working pressure 4 kg / sqcm) Rubber (Seal) Ring 75 mm dia.	each	1.00	8.00	8.00
9999	Adhesive, and sundries etc.	L.S.	2.73	1.73	4.72
9988	Carriage and fixing charges	L.S.	9.36	1.73	16.19
	TOTAL				56.91
	Add 1 % Water charges				0.57
	TOTAL				57.48
	Add 15 % Contractor's profit and overheads				8.62
	Cost of 1 shoe				66.10
	Say				66.10

12.42.6.2 110 mm Shoe

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7213	Details of cost for 1 shoe				
	UPVC plain shoe 110 mm bend	each	1.00	49.00	49.00
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	1.73	4.72
9988	Carriage and fixing charges	L.S.	10.79	1.73	18.67
	TOTAL				84.39
	Add 1 % Water charges				0.84
	TOTAL				85.23
	Add 15 % Contractor's profit and overheads				12.78
	Cost of 1 shoe				98.01
	Say				98.00

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 bend	each	5.00	16.00	80.00
9977	Carriage of U-PVC pipe clips	L.S.	2.47	1.73	4.27
0870	Plug	each	10.00	10.00	100.00
	LABOUR				
0116	Fitter (grade 1)	day	0.125	487.00	60.88
0124	Mason (brick layer) 2nd class	day	0.75	448.00	336.00
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries	L.S.	7.15	1.73	12.37
9999	Sundries	L.S.	0.91	1.73	1.57
9999	Sundries cement mortar 1:4 (1Cement : 4 Coarse sand)	L.S.	3.90	1.73	6.75
	TOTAL				785.84
	Add 1 % Water charges				7.86
	TOTAL				793.70
	Add 15 % Contractor's profit and overheads				119.06
	Cost of 5 Nos.				912.76
	Cost of 1 No.				182.55
	Say				182.55

12.43.2 110 mm

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 5 nos.				
	MATERIAL				
7215	UPVC pipe clip 110 mm bend	each	5.00	15.00	75.00
9977	Carriage of U-PVC pipe clips	L.S.	2.47	1.73	4.27
0870	Plug	each	10.00	10.00	100.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0116	Fitter (grade 1)	day	0.125	487.00	60.88
0124	Mason (brick layer) 2nd class	day	0.75	448.00	336.00
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries	L.S.	7.15	1.73	12.37
9999	Sundries	L.S.	0.91	1.73	1.57
9999	Sundries cement mortar 1:4 (1Cement : 4 Coarse sand)	L.S.	3.90	1.73	6.75
	TOTAL				780.84
	Add 1 % Water charges				7.81
	TOTAL				788.65
	Add 15 % Contractor's profit and overheads				118.30
	Cost of 5 Nos.				906.95
	Cost of 1 No.				181.39
	Say				181.40

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	28.00	28.00
9977	Carriage of material and fixing charges	L.S.	4.16	1.73	7.20
	TOTAL				35.20
	Add 1 % Water charges				0.35
	TOTAL				35.55
	Add 15 % Contractor's profit and overheads				5.33
	Cost of each grating				40.88
	Say				40.90

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

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 board	sqm	108.86	160.00	17417.60
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	48.00	11430.72
7011	Galvanised Steel perimeter Channel (Size 20x27x30x0.50mm)	metre	41.84	23.00	962.32
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80
7013	Strap hanger Galvanised Steel angle hanger (Ceiling 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	60.00	600.00
7016	Joint filler	kilogram	22.81	27.00	615.87
7017	Joint finisher	kilogram	34.21	24.00	821.04
7018	Joint tape roll	roll	1.27	105.00	133.35
7021	Primer (for gypsum board)	litre	18.66	73.00	1362.18
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	1.73	1396.63
9977	Carriage of material etc.	L.S.	447.20	1.73	773.66
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	448.00	13934.59
0114	Beldar	day	31.104	368.00	11446.27
0131	Painter	day	10.368	448.00	4644.86
	TOTAL				71965.09
	Add 1 % Water charges				719.65
	TOTAL				72684.74
	Add 15 % Contractor's profit and overheads				10902.71
	Cost for 103.68 sqm.				83587.45
	Cost of 1 Sqm.				806.20
	Say				806.20

12.45.2 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I

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.				
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	108.86	255.00	27759.30
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	48.00	11430.72
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	23.00	962.32
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	60.00	600.00
7016	Joint filler	kilogram	22.81	27.00	615.87
7017	Joint finisher	kilogram	34.21	24.00	821.04
7018	Joint tape roll	roll	1.27	105.00	133.35
7021	Primer (for gypsum board)	litre	18.66	73.00	1362.18
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	1.73	1396.63
9977	Carriage of material etc.	L.S.	447.20	1.73	773.66
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	448.00	13934.59
0114	Beldar	day	31.104	368.00	11446.27
0131	Painter	day	10.37	448.00	4645.76
	TOTAL				82307.69
	Add 1 % Water charges				823.08
	TOTAL				83130.77
	Add 15 % Contractor's profit and overheads				12469.62
	Cost of 103.68 sqm.				95600.39
	Cost of 1 Sqm.				922.07
	Say				922.05

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	285.00	31025.10

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	48.00	11430.72
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	23.00	962.32
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80
7013	Galvanised Steel angle hanger (Ceiling 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	60.00	600.00
7016	Joint filler	kilogram	22.81	27.00	615.87
7017	Joint finisher	kilogram	34.21	24.00	821.04
7018	Joint tape roll	roll	1.27	105.00	133.35
7021	Primer (for gypsum board)	litre	18.66	73.00	1362.18
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	1.73	1396.63
9977	Carriage of material etc.	L.S.	447.20	1.73	773.66
	LABOUR				
0112	Carpenter 2nd class	day	31.104	448.00	13934.59
0114	Beldar	day	31.104	368.00	11446.27
0131	Painter	day	10.37	448.00	4645.76
	TOTAL				85573.49
	Add 1 % Water charges				855.73
	TOTAL				86429.22
	Add 15 % Contractor's profit and overheads				12964.38
	Cost of 103.68 sqm.				99393.60
	Cost of 1 Sqm.				958.65
	Say				958.65

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	430.00	46809.80
7010	Galvanised Steel ceiling section (size 80x26x0.50mm)	metre	238.14	48.00	11430.72
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	23.00	962.32
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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	60.00	600.00
7016	Joint filler	kilogram	22.81	27.00	615.87
7017	Joint finisher	kilogram	34.21	24.00	821.04
7018	Joint tape roll	roll	1.27	105.00	133.35
7021	Primer (for gypsum board)	litre	18.66	73.00	1362.18
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9999	Sundries like rawl plug scaffolding etc	L.S.	807.30	1.73	1396.63
9977	Carriage of material etc.	L.S.	447.20	1.73	773.66
	LABOUR :-				
0112	Carpenter 2nd class	day	31.104	448.00	13934.59
0114	Beldar	day	31.104	368.00	11446.27
0131	Painter	day	10.37	448.00	4645.76
	TOTAL				101358.19
	Add 1 % Water charges				1013.58
	TOTAL				102371.77
	Add 15 % Contractor's profit and overheads				15355.77
	Cost of 103.68 sqm.				117727.54
	Cost of 1 Sqm.				1135.48
	Say				1135.50

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	1.73	7.20
	TOTAL				57.20
	Add 1 % Water charges				0.57
	TOTAL				57.77
	Add 15 % Contractor's profit and overheads				8.67
	Cost of each grating				66.44
	Say				66.45

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				
8668	UV stabilised 2 mm thick corrugated FRP sheet	sqm	240.408	540.00	129820.32
9977	Carriage of sheet	L.S.	104.00	1.73	179.92
	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 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	115.00	9315.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	35.00	592.90
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	53.82	1.73	93.11
	LABOUR				
0130	Mistry	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	15.50	448.00	6944.00
0114	Beldar	day	15.50	368.00	5704.00
	TOTAL				157196.30
	Add 1 % Water charges				1571.96
	TOTAL				158768.26
	Add 15 % Contractor's profit and overheads				23815.24
	Cost of 184.518 Sqm.				182583.50
	Cost of 1 Sqm.				989.51
	Say				989.50

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	470.00	112991.76
9977	Carriage of sheet	L.S.	104.00	1.73	179.92
	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	115.00	9315.00
1207	G.I. Limpet washer (total of seam and J bolts) 884+810= 1694	100 Nos	16.94	35.00	592.90
1208	Bitumen washer	100 Nos	16.94	30.00	508.20
9977	Carriage of bolts and washers	L.S.	26.91	1.73	46.55
9999	Sundries	L.S.	53.82	1.73	93.11
	LABOUR				
0130	Mistry	day	1.30	487.00	633.10
0112	Carpenter 2nd class	day	15.50	448.00	6944.00
0114	Beldar	day	15.50	368.00	5704.00
	TOTAL				140367.74
	Add 1 % Water charges				1403.68
	TOTAL				141771.42
	Add 15 % Contractor's profit and overheads				21265.71
	Cost of 184.518 Sqm.				163037.13
	Cost of 1 Sqm.				883.58
	Say				883.60

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	8.00	1280.00
2207	Carriage of Brick tiles	1000 Nos	0.16	166.03	26.56
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.30	487.00	146.10
0114	Beldar	day	1.56	368.00	574.08
9999	Sundries	L.S.	130	1.73	22.49
	Total				2049.23
	Add 1 % Water charges				20.49
	Total				2069.72
	Add 15 % Contractor's profit and overheads				310.46
	Cost of 10 sqm				2380.18
	Cost of 1 sqm				238.01
	Say				238.00

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	8.00	96.00
2207	Carriage of Brick tiles	1000 Nos	0.012	166.03	1.99
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.01	487.00	4.87
0114	Beldar	day	0.15	368.00	55.20
9999	Sundries	L.S.	2.60	1.73	4.50
	Total				162.56
	Add 1 % Water charges				1.63
	Total				164.19
	Add 15 % Contractor's profit and overheads				24.63
	Cost of 3.60 metre				188.82
	Cost for 1 metre				52.45
	Say				52.45

12.50 Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness 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	375.00	87618.75
9977	Carriage of sheets	L.S.	104.00	1.73	179.92
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	115.00	5474.00
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	1.73	13.94
9999	Sundries	L.S.	39.52	1.73	68.37

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0130	LABOUR Mistry	day	2.34	487.00	1139.58
0112	Carpenter 2nd class	day	9.34	448.00	4184.32
0114	Beldar	day	9.34	368.00	3437.12
	TOTAL				102425.40
	Add 1 % Water charges				1024.25
	TOTAL				103449.65
	Add 15 % Contractor's profit and overheads				15517.45
	Cost of 216.14 sqm.				118967.10
	Cost of 1.00 sqm.				550.41
	Say				550.40

12.51 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, 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	230.00	5315.30
9977	Carriage (The ridge is to be fixed with the same hooks as the Sheets)	L.S.	13.52	1.73	23.39
9999	Sundries	L.S.	6.76	1.73	11.69
	LABOUR				
0130	Mistry	day	0.14	487.00	68.18
0112	Carpenter 2nd class	day	0.55	448.00	246.40
0114	Beldar	day	1.64	368.00	603.52
	TOTAL				6268.48
	Add 1 % Water charges				62.68
	TOTAL				6331.16
	Add 15 % Contractor's profit and overheads				949.67
	Cost of 20.20 metre				7280.83
	Cost of 1.00 metre				360.43
	Say				360.45

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 20.20 + 5% wastage = 23.11 metre	metre	23.11	230.00	5315.30

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of apron pieces. (The apron pieces are to be fixed with the same hooks as the sheets)	L.S.	3.25	1.73	5.62
9999	Sundries	L.S.	3.25	1.73	5.62
	LABOUR				
0130	Mistry	day	0.07	487.00	34.09
0112	Carpenter 2nd class	day	0.28	448.00	125.44
0114	Beldar	day	0.82	368.00	301.76
	TOTAL				5787.83
	Add 1 % Water charges				57.88
	TOTAL				5845.71
	Add 15 % Contractor's profit and overheads				876.86
	Cost of 20.20 metre				6722.57
	Cost of 1.00 metre				332.80
	Say				332.80

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 20.20 + 5% wastage = 23.11 metre	metre	23.11	250.00	5777.50
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	115.00	460.00
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	1.73	17.09
9999	Sundries	L.S.	6.24	1.73	10.80
	LABOUR				
0130	Mistry	day	0.10	487.00	48.70
0112	Carpenter 2nd class	day	0.30	448.00	134.40
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				6842.49
	Add 1 % Water charges				68.42
	TOTAL				6910.91
	Add 15 % Contractor's profit and overheads				1036.64
	Cost of 20.20 metre				7947.55
	Cost of 1.00 metre				393.44
	Say				393.45

12.51.4 Barge board (Upto 300 mm)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 8.23 metres Completed length of barge boards = 8.23 + 5% wastage = 8.64 metre				
	MATERIAL				
8676	Precoated galvanised steel barge board	metre	8.64	235.00	2030.40
0222	Seam bolts and nuts 6 mm dia and 25 mm long	10 Nos	0.50	37.00	18.50
1211	G.I. plain washer for seam bolts	100 Nos	0.10	30.00	3.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1208	Bitumen washer	100 Nos	0.05	30.00	1.50
9977	Carriage of barge boards, bolts, nuts and washers	L.S.	9.36	1.73	16.19
9999	Sundries	L.S.	6.76	1.73	11.69
	LABOUR				
0130	Mistry	day	0.04	487.00	19.48
0112	Carpenter 2nd class	day	0.06	448.00	26.88
0114	Beldar	day	0.40	368.00	147.20
	TOTAL				2274.84
	Add 1 % Water charges				22.75
	TOTAL				2297.59
	Add 15 % Contractor's profit and overheads				344.64
	Cost of 8.23 metre				2642.23
	Cost of 1.00 metre				321.04
	Say				321.05

12.51.5 Crimp curve

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of crimp curve 20.2 metres long complete length, Area 20.20 x 1.06 =21.412 sqm				
	MATERIAL				
8677	Precoated galvanised steel crimp curve	sqm	22.483	250.00	5620.75
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	4.00	115.00	460.00
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	1.73	17.09
9999	Sundries	L.S.	6.24	1.73	10.80
	LABOUR				
0130	Mistry	day	0.10	487.00	48.70
0112	Carpenter 2nd class	day	0.30	448.00	134.40
0114	Beldar	day	1.00	368.00	368.00
	TOTAL				6685.74
	Add 1 % Water charges				66.86
	TOTAL				6752.60
	Add 15 % Contractor's profit and overheads				1012.89
	Cost of 21.412 sqm				7765.49
	Cost of 1.00 sqm				362.66
	Say				362.65

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				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8674	Precoated galvanised steel gutter	metre	10.00	455.00	4550.00
9977	Carriage of gutter	L.S.	1.04	1.73	1.80
1008	Flats upto 10 mm in thickness	quintal	0.0749	3675.00	275.26
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	11.00	330.00
1210	G.I. plain washer thin	100 Nos	0.70	32.00	22.40
1208	Bitumen washer	100 Nos	0.40	30.00	12.00
9977	Carriage of G.I. seam bolts and washers	L.S.	2.73	1.73	4.72
9999	Sundries	L.S.	5.33	1.73	9.22
	LABOUR				
0102	Blacksmith 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries	L.S.	12.61	1.73	21.82
0130	Mistry	day	0.28	487.00	136.36
0102	Blacksmith 1st class	day	0.84	487.00	409.08
0112	Carpenter 2nd class	day	0.62	448.00	277.76
0114	Beldar	day	1.68	368.00	618.24
	TOTAL				7172.16
	Add 1 % Water charges				71.72
	TOTAL				7243.88
	Add 15 % Contractor's profit and overheads				1086.58
	Cost of 10.00 metres				8330.46
	Cost of 1.00 metre				833.04
	Say				833.05

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 color 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	510.00	53550.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	101.00	2979.50
	Including Wastage @ 10%				
8612	Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	75.00	1012.50
	Including Wastage @ 10%				
8613	Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long)	each	147.00	34.00	4998.00
	Including Wastage @ 10% on Grid for cut outs				
8614	Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long)	each	147.00	17.00	2499.00
	Including Wastage @ 10% on Grid for cut outs				
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	1.73	325.15
9977	Carriage of materials etc.	L.S.	89.28	1.73	154.45
	LABOUR				
0111	Carpenter 1st class	day	28.00	487.00	13636.00
0114	Beldar	day	23.00	368.00	8464.00
	TOTAL				89706.60
	Add 1 % Water charges				897.07
	TOTAL				90603.67
	Add 15 % Contractor's profit and overheads				13590.55
	Cost of 100 sqm.				104194.22
	Cost of 1 sqm.				1041.94
	Say				1041.95

12.52.2 GI Metal Ceiling Lay in perforated Tegular edge global white color 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	610.00	64050.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long) Including Wastage @ 10%	each	29.50	101.00	2979.50
8612	Perimeter wall angle 24x24x0.3mm (3 metre long) Including Wastage @ 10%	each	13.50	75.00	1012.50
8613	Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	34.00	4998.00
8614	Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	17.00	2499.00
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	1.73	325.15
9977	Carriage of materials etc.	L.S.	89.28	1.73	154.45
	LABOUR				
0111	Carpenter 1st class	day	28.00	487.00	13636.00
0114	Beldar	day	23.00	368.00	8464.00
	TOTAL				100206.60
	Add 1 % Water charges				1002.07
	TOTAL				101208.67
	Add 15 % Contractor's profit and overheads				15181.30
	Cost of 100 sqm.				116389.97
	Cost of 1 sqm.				1163.89
	Say				1163.90

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	470.00	49350.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long) Including Wastage @ 10%	each	29.50	101.00	2979.50
8612	Perimeter wall angle 24x24x0.3mm (3 metre long) Including Wastage @ 10%	each	13.50	75.00	1012.50
8613	Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	34.00	4998.00
8614	Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long) Including Wastage @ 10% on Grid for cut outs	each	147.00	17.00	2499.00
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	1.73	325.15
9977	Carriage of materials etc.	L.S.	89.28	1.73	154.45
	LABOUR				
0111	Carpenter 1st class	day	28.00	487.00	13636.00
0114	Beldar	day	23.00	368.00	8464.00
	TOTAL				85506.60
	Add 1 % Water charges				855.07
	TOTAL				86361.67
	Add 15 % Contractor's profit and overheads				12954.25
	Cost of 100 sqm.				99315.92
	Cost of 1 sqm.				993.15
	Say				993.15

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 Ceiling 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	480.00	50400.00
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	101.00	2979.50
8612	Including Wastage @ 10% Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	75.00	1012.50
8613	Including Wastage @ 10% Intermediate cross T-section 24x25x0.3mm (1.2 mtrs long)	each	147.00	34.00	4998.00
8614	Including Wastage @ 10% on Grid for cut outs Intermediate cross T-section 24x25x0.3mm (0.6 mtrs long)	each	147.00	17.00	2499.00
8615	Including Wastage @ 10% on Grid for cut outs Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9999	Sundries i.e. scaffolding etc.	L.S.	187.95	1.73	325.15
9977	Carriage of materials etc.	L.S.	89.28	1.73	154.45
	LABOUR				
0111	Carpenter 1st class	day	28.00	487.00	13636.00
0114	Beldar	day	23.00	368.00	8464.00
	TOTAL				86556.60
	Add 1 % Water charges				865.57
	TOTAL				87422.17
	Add 15 % Contractor's profit and overheads				13113.33
	Cost of 100 sqm.				100535.50
	Cost of 1 sqm.				1005.35
	Say				1005.35

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 form 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 ₹
8589	Details of cost for 100 sqm. MATERIAL Calcium Silicate tegular edged ceiling tiles 495x495 mm and 15 mm thick Area = 100 sqm + Add 5% wastage = 5 sqm Total = 105 sqm	sqm	105.00	860.00	90300.00
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33mm (3.00 metre long)	each	29.50	113.00	3333.50
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	13.50	63.00	850.50
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (1.2 metre long)	each	147.00	38.00	5586.00
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33. (0.6 metre long)	each	147.00	19.00	2793.00
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	100.00	1.00	100.00
9999	scaffolding etc.	L.S.	498.65	1.73	862.66
9977	Carriage of materials etc.	L.S.	237.48	1.73	410.84
9999	Sundries	L.S.	310.70	1.73	537.51

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	28.00	487.00	13636.00
0114	Beldar	day	23.00	368.00	8464.00
	TOTAL				128962.01
	Add 1 % Water charges				1289.62
	TOTAL				130251.63
	Add 15 % Contractor's profit and overheads				19537.74
	Cost of 100 sqm.				149789.37
	Cost of 1 sqm.				1497.89
	Say				1497.90

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 color 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	650.00	68250.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long) Including Wastage @ 10%	metre	60.00	180.00	10800.00
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long) Including Wastage @ 10%	metre	27.70	90.00	2493.00
8606	Main C Carrier Size 10x38x10x0.70mm (3.00 meter long) Including Wastage @ 10% on Grid for cut outs	metre	33.00	110.00	3630.00
8607	Spring T-connector	each	44.00	5.00	220.00
8608	C Carrier Connector	each	44.00	11.00	484.00
8609	C Suspension Clip	each	88.00	8.00	704.00
8610	Wire Coupling Clip	each	333.00	9.00	2997.00
8615	Hanger rod 4 mm thick	each	80.00	8.00	640.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8616	Adjustment clip 85x30x0.8mm	each	80.00	5.00	400.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	80.00	4.00	320.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	80.00	12.00	960.00
9999	Sundries i.e. scaffolding etc.	L.S.	188.00	1.73	325.24
9977	Carriage of materials etc.	L.S.	90.00	1.73	155.70
	LABOUR				
0111	Carpenter 1st class	day	28.00	487.00	13636.00
0114	Beldar	day	23.00	368.00	8464.00
	TOTAL				114478.94
	Add 1 % Water charges				1144.79
	TOTAL				115623.73
	Add 15 % Contractor's profit and overheads				17343.56
	Cost of 100 sqm.				132967.29
	Cost of 1 sqm.				1329.67
	Say				1329.65

12.54.2 GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, 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 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	812.00	85260.00
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	60.00	180.00	10800.00
	Including Wastage @ 10%				
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	27.70	90.00	2493.00
	Including Wastage @ 10%				
8606	Main C Carrier Size 10x38x10x0.70mm (3.00 meter long)	metre	33.00	110.00	3630.00
	Including Wastage @ 10% on Grid for cut outs				
8607	Spring T-connector	each	44.00	5.00	220.00
8608	C Carrier Connector	each	44.00	11.00	484.00
8609	C Suspension Clip	each	88.00	8.00	704.00
8610	Wire Coupling Clip	each	333.00	9.00	2997.00
8615	Hanger rod 4 mm thick	each	80.00	8.00	640.00
8616	Adjustment clip 85x30x0.8mm	each	80.00	5.00	400.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	80.00	4.00	320.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	80.00	12.00	960.00
9999	Sundries i.e. scaffolding etc.	L.S.	188.00	1.73	325.24
9977	Carriage of materials etc.	L.S.	90.00	1.73	155.70

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0111	LABOUR Carpenter 1st class	day	28.00	487.00	13636.00
0114	Beldar	day	23.00	368.00	8464.00
	TOTAL				131488.94
	Add 1 % Water charges				1314.89
	TOTAL				132803.83
	Add 15 % Contractor's profit and overheads				19920.57
	Cost of 100 sqm.				152724.40
	Cost of 1 sqm.				1527.24
	Say				1527.25

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	475.00	4892.50
3.9	Rate as per Item No.3.9 of SH:Mortar	cum	0.224	3970.50	889.39
0367	Portland Cement (OPC-43 grade)	tonne	0.044	5700.00	250.80
0368	White Cement	tonne	0.044	11200.00	492.80
2209	Carriage of Cement	tonne	0.088	92.24	8.12
0875	Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment	kilogram	3.08	80.00	246.40
	LABOUR				
0124	Mason (brick layer) 2nd class	day	1.60	448.00	716.80
0115	Coolie	day	2.00	368.00	736.00
0139	Skilled Beldar (for floor rubbing etc.)	day	1.00	407.00	407.00
0101	Bhisti	day	1.00	407.00	407.00
0013	Machine for rubbing of floors	day	1.60	350.00	560.00
9999	Sundries including carborandum stone etc.	L.S.	169.98	1.73	294.07
	Total				9900.88
	Add 1 % Water charges				99.01
	Total				9999.89
	Add 15 % Contractor's profit and overheads				1499.98
	Cost of 10 sqm				11499.87
	Cost of 1 sqm				1149.98
	Say				1150.00

- 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 ₹
7050	Details of cost for 1 sqm MATERIAL PU Primer Area for PU Spray = 1 sqm+ Add for wastage @ 10%=0.10 sqm Total=1.10 sqm	sqm	1.00	40.00	40.00
7051	40 mm (average) PU spray having 40-45 kg/m ³ density	sqm	1.10	421.00	463.10
7052	GI wire netting 3/4" x 24 G	sqm	1.00	27.00	27.00
9999	Sundries	L.S.	6.71	1.73	11.61
9999	Polymerized mastic for all joints	L.S.	20.13	1.73	34.82
7053	400 G polythene sheet	sqm	1.00	15.00	15.00
9999	Cement	L.S.	44.67	1.73	77.28
9999	Graded stone	L.S.	13.75	1.73	23.79
9999	Sand	L.S.	21.48	1.73	37.16
9977	Carriage of material	L.S.	16.78	1.73	29.03
	LABOUR				
9999	For PU spray	L.S.	80.54	1.73	139.33
9999	For cement screed with Polythene sheet	L.S.	53.69	1.73	92.88
	Total				991.00
	Add 1 % Water charges				9.91
	Total				1000.91
	Add 15 % Contractor's profit and overheads				150.14
	Total				1151.05
	Cost of 1 sqm				1151.05
	Say				1151.05

- 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 ₹
7232	Details of cost for 10 sqm MATERIAL Area for 10.00sqm. (Finished surface) = 10.00sqm.+ Add Wastage @ 10% =1.00 sqm Total =11.00sqm Resin Bonded Glass wool 24 kg/m ³ 50 mm thick	sqm	11.00	150.00	1650.00
9999	Sundries including GL wire 20 SWg and Virgin polythene bags 200 gram	L.S.	52.00	1.73	89.96

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
9999	Sundries (screws and washers)	L.S.	20.00	1.73	34.60
	Total				2202.06
	Add 1 % Water charges				22.02
	Total				2224.08
	Add 15 % Contractor's profit and overheads				333.61
	Cost of 10 sqm				2557.69
	Cost of 1 sqm				255.76
	Say				255.75

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 x 1.6 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% = 0.05 Sqm Total =100.05 Sq.m MATERIALS :				
8784	8mm thick Calcium silicate perforated tiles of size 595 x595mm	sqm	100.05	690.00	69034.50
8611	Main T ceiling sections 24x38x0.3 mm (3 metre long)	each	29.50	101.00	2979.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8612	Perimeter wall angle 24x24x0.3mm (3 metre long)	each	13.50	75.00	1012.50
8613	Intermediate cross T-section 24x25x 0.3mm (1.2 mtrs long)	each	147.00	34.00	4998.00
8614	Intermediate cross T-section 24x25x 0.3mm (0.6 mtrs long)	each	147.00	17.00	2499.00
8615	Hanger rod 4 mm thick	each	72.00	8.00	576.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	5.00	360.00
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
9977	Sundries	L.S.	89.28	1.73	154.45
9999	Sundries i.e scaffolding etc. LABOUR :	L.S.	187.95	1.73	325.15
0111	Carpenter 1st class	day	28.00	487.00	13636.00
0114	Beldar	day	23.00	368.00	8464.00
	TOTAL				105191.10
	Add 1 % Water charges				1051.91
	TOTAL				106243.01
	Add 15 % Contractor's profit and overheads				15936.45
	Cost of 100 sqm.				122179.46
	Cost of 1 sqm.				1221.79
	Say				1221.80

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 channels 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 = 103.68 sqm MATERIALS:Area = 103.68 sq.m + Add. Wastage of 5% = 5.18 Sq.m Total = 108.86 Sqm MATERIALS :				
8699	8 mm thick tapered edge calcium silicate board	sqm	108.86	250.00	27215.00
7010	G.I Ceiling Section (80 x26mm x26mm x 10.5mm each lip x 0.55 mm)	metre	238.14	48.00	11430.72
7011	Galvanised Steel perimetre Channel (Size 20x27x30x0.50mm)	metre	41.84	23.00	962.32
7012	Galvanised Steel intermediate Channel (Size 15x45x15x0.90mm)	metre	90.72	40.00	3628.80
7013	Galvanised Steel angle hanger (Ceiling 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
8617	Soffit cleat (Size 27x37x25x1.60mm)	each	72.00	4.00	288.00
7020	All drive screws (for gypsum board)	100 Nos	10.00	60.00	600.00
7016	Joint filler	kilogram	22.81	27.00	615.87
7017	Joint finisher	kilogram	34.21	24.00	821.04
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	72.00	12.00	864.00
7018	Joint Tape roll (120mm Roll)	roll	1.27	105.00	133.35
7021	Primer (for gypsum board// calcium silicate board)	litre	18.66	73.00	1362.18
9977	Carriage	L.S.	447.20	1.73	773.66
9999	Sundries i.e rawl plug, scaffolding etc.	L.S.	807.30	1.73	1396.63
	LABOUR :				
0112	Carpenter 2nd class	day	31.10	448.00	13932.80
0114	Beldar	day	31.10	368.00	11444.80
0131	Painter	day	10.37	448.00	4645.76
	TOTAL				81832.13
	Add 1 % Water charges				818.32
	TOTAL				82650.45
	Add 15 % Contractor's profit and overheads				12397.57
	Cost of 103.68 sqm.				95048.02
	Cost of 1 sqm.				916.74
	Say				916.75

12.60 Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183, density 48 kg/ m³, 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 overlappings &wastage= 1.00sqm. Total= 11.00sqm				
7273	Resin Bonded Rockwool 48 kg/m ³	sqm	11.00	125.00	1375.00
9999	Sundries including GI wire 20 SWG and polythene bags 200gms	L.S.	104.00	1.73	179.92
9999	GI chicken mesh 12.5mm x 24 SWG	L.S.	351.00	1.73	607.23
	LABOUR				
0111	Carpenter 1st class	day	1.00	487.00	487.00
0114	Beldar	day	2.00	368.00	736.00
	TOTAL				3385.15
	Add 1 % Water charges				33.85
	TOTAL				3419.00
	Add 15 % Contractor's profit and overheads				512.85
	Cost of 10 sqm.				3931.85
	Cost of 1 sqm.				393.18
	Say				393.20

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 ceiling 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 overlappings &wastage= 1.00sqm. Total= 11.00sqm				
7273	Resin Bonded Rockwool 48 kg/m ³	sqm	11.00	125.00	1375.00
9999	Sundries including GI wire 20 SWG and polythene bags 200gms	L.S.	52.00	1.73	89.96
	LABOUR				
0111	Carpenter 1st class	day	0.50	487.00	243.50
0114	Beldar	day	0.50	368.00	184.00
	TOTAL				1892.46
	Add 1 % Water charges				18.92
	TOTAL				1911.38
	Add 15 % Contractor's profit and overheads				286.71
	Cost of 10 sqm				2198.09
	Cost of 1 sqm				219.80
	Say				219.80

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 crossing 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 overlappings & wastage= 1.00sqm. Total= 11.00sqm				
7273	Resin Bonded Rockwool 48 kg/m ³	sqm	11.00	125.00	1375.00
9999	Sundries including GI wire 20 SWG and Virgin polythene bags 200 gram and Carriage	L.S.	52.00	1.73	89.96
	LABOUR				
0111	Carpenter 1st class	fay	0.50	487.00	243.50
0114	Beldar	fay	0.50	368.00	184.00
9999	Sundries (screws & washers)	L.S.	20.00	1.73	34.60
	TOTAL				1927.06
	Add 1 % Water charges				19.27
	TOTAL				1946.33
	Add 15 % Contractor's profit and overheads				291.95
	Cost of 10 sqm				2238.28
	Cost of 1 sqm				223.82
	Say				223.80

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 ASTM) C 1549 and ASTM C 1371 respectively), VOC less than 10 cc/gm. The coating thickness and the methodology of application shall strictly 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 performance of SRI and also the durability 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	240.00	1720.80
9977	Carriage of paint	L.S.	4.53	1.73	7.84
	LABOUR :				
0114	Beldar (for cleanign the surface)	day	0.54	368.00	198.72
0131	Painter	day	0.54	448.00	241.92
9999	Sundries (Brushes & T&P etc.	L.S.	13.52	1.73	23.39
	MACHINERY :				
	TOTAL				2192.67
	Add 1 % Water charges				21.93
	TOTAL				2214.60
	Add 15 % Contractor's profit and overheads				332.19
	Cost of 10 Sqm.				2546.79
	Cost of 1 Sqm.				254.67
	Say				254.65