












SUB HEAD : 26.0

NEW TECHNOLOGIES AND

MATERIALS













SUB HEAD : 26.0
26.0 NEW TECHNOLOGIES AND MATERIALS

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.1	Providing & fixing in position Phenol bonded Bamboowood flooring with planks of sizes 14mm thick, minimum 1800mm length and minimum 100 mm wide , in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The flooring shall be fixed with tongue and groove interlocking system, with underlayment of 4mm thick expanded polythylene foam sheets having density 40kg/cum, over prepared surface with necessary quarter round planks of size 1900mm x 18mm and door reducer of size 1900mm x 44mm, wherever required. The bambo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of the Engineer in-charge. Details of cost for 10m x 10m = 100 sqm MATERIAL				
8021	Bamboo wood Tile Flooring 14mm thick minimum 1800mm length and minimum 100mm wide, 100 + 10 (Add for wastage @10%) = 110 sqm	sqm	110.00	3470.00	381700.00
8022	Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm	metre	39.90	115.00	4588.50
8023	Bamboo wood reducer 14mm thick of size 1900mm x 44mm	metre	2.00	255.00	510.00
8015	Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m ³ , 100 + 5 (Add for wastage @5%) = 105 sqm	sqm	105.00	20.00	2100.00
1246	Silicon based Joint Sealant for Tiles	kg	5.00	160.00	800.00
1247	Rubber base Adhesive	kg	5.00	223.00	1115.00
	LABOUR				0.00
0111	Carpenter 1st class	day	3.00	413.00	1239.00
0114	Beldar	day	3.00	368.00	1104.00
9999	Sundries	L.S.	100.00	2.12	212.00
	TOTAL				393368.50
	Add 1 % Water charges				3933.69
	TOTAL				397302.19 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				55820.96
	Total				453123.14 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				67968.47
	Cost of 100 sqm				521091.61
	Cost of 1 sqm				5210.92
	Add 1% labour cess				52.11
	rate including labour cess				5263.03
	Say				5263.00
26.2	Providing & fixing in position Phenol bonded Bamboo wood in wall skirting with planks of sizes 14mm thick, 1900mm length (minimum) and 85mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The skirting shall be fixed with SS screws & rawl plugs, over underlayment of 4mm thick, expanded poly ethylene foam sheets having 40kg/cum density over prepared surface. The bambo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of the Engineer in-charge. Detail of cost for 10 sqm skirting (MATERIAL)				
8024	Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm Area of 1 length skirting is 1.9 m x 0.085 m Quantity required for 10 sqm = 10 / 0.1615 = 61.92 pieces Add 2.5% wastage= 1.548 Total = 61.92 + 1.548 = 63.468 Qty in running mtr = 63.468 x 1.9m '= 120.59 running meter	sqm	120.59	300.00	36177.00
8015	High Density Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m ³ 10 + 0.5 (Add for wastage @5%) = 10.5 sqm	sqm	10.50	20.00	210.00













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8210	Stainless steel screws 50 mm (62x3=186 nos)	100 Nos	1.86	300.00	558.00
1246	Silicon based Joint Sealant for Tiles	kg	1.00	160.00	160.00
1247	Rubber base Adhesive	kg	1.00	223.00	223.00
	LABOUR				
0111	Carpenter 1st class	day	1.00	413.00	413.00
0114	Beldar	day	1.00	306.00	306.00
9999	Sundries	L.S.	20.00	2.12	42.40
	TOTAL				38089.40
	Add 1 % Water charges				380.89
	TOTAL				38470.29 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				5405.08
	Total				43875.37 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				6581.31
	Cost of 10 sqm				50456.68
	Cost of 1 sqm				5045.67
	Add 1% labour cess				50.46
	rate included labour cess				5096.12
	Say				5096.10
26.3	Providing & fixing in position Phenol bonded Bamboowood wall cladding at all height with planks of sizes 10mm thick, minimum 1800mm length and minimum 100 mm wide , in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC), with necesasary profiled edges fixed with 40mm SS screws 5 nos in each tile to frame work made of second class teak wood of size 20x15 mm in centre of each tile and bottom and top of work height, 40x15mm placed at ends of each tile. The cladding shall be laid over backlayment of 1.00 mm thick expanded poly ethylene foam of density 40kg/cum in two layers, first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The bamboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of the Engineer in-charge.				
8025	Details of cost for 10m x 9.5m = 95 sqm MATERIAL Bamboo wood Tile Wall Cladding 10mm thick minimum 1800mm and minimum 100mm wide 10 x 9.5 = 95 + 9.5 (Add for wastage @10%) = 104.5 sqm	sqm	104.50	3400.00	355300.00
8026	Bamboo wood T-mold 14mm thick of size 1900mm x 44mm At end joints of planks = 4x9.91 = 39.64 mtr + 1.98 (Add for wastage 5%) = 41.62 mtr	metre	41.62	250.00	10405.00
8027	Bamboo wood Threshold 14mm thick of size 1900mm x 44mmAt perriferi of cladding = 2x(10+9.5)+1.95 (Add for wastage @5%) '=40.95 metre	metre	40.95	255.00	10442.25
8016	High Density expanded poly ethylene (EPE) Foam 1mm thick (2x10x9.5) = 190 + 9.5 (Add for wastage @5%)=199.5 sqm	sqm	199.50	10.00	1995.00
8210	Stainless steel screws 50 mm '@500mm c/c at teak wood frame	100 Nos	2.58	300.00	774.00
8212	Stainless steel screws 30 mm (5nos in each panels) No of panels=95/(1.9 x 0.135)=370 nos No. of screws= 370 x 5=1850 nos	100 Nos	1.85	230.00	425.50
1190	Second class teak wood in planks 10 metre height, at every 1.9 meter height one length of 10 metre i.e (5x9.91x0.02x 0.015+2x10x0.02x.015+2x9.50x.02x.015+4x9.91x0.04 x0.015)+wastage @5% '=0.052866 cum cudm	10 cudm	5.29	791.00	4184.39
	LABOUR				
0111	Carpenter 1st class	day	5.00	413.00	2065.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0112	Carpenter 2nd class	day	5.00	369.00	1845.00
0114	Beldar	day	5.00	306.00	1530.00
9999	Sundries	L.S.	100.00	2.12	212.00
	TOTAL				389178.14
	Add 1 % Water charges				3891.78
	TOTAL				393069.92 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				55226.32
	Total				448296.25 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				67244.44
	Cost of 95 sqm				515540.68
	Cost of 1 sqm				5426.74
	Add 1% labour cess				54.27
	rate included labour cess				5481.01
	Say				5481.00
26.4	Providing & fixing in position Phenol bonded Bamboo wood panelled or panelled and glazed shutters for doors windows, clerestorey windows with pre-molded minimum 30mm thick planks, in approved colours, texture & finishe. It shall have 10mm wide, 25mm deep grove to fit in panels.The bamboo wood shall have minimum density of 1000 Kg/cum, minimum Hardness 1000 Kgf. All styles and rails shall have profiled interlocking system locked in place by bamboo pins, all complete as per direction of Engineer in charge. (The panelling will be paid for separately).				
	Details of cost for shutters of Bamboowood 200 x 108cm = 2.16 sqm				
	MATERIAL				
	Bamboo wood shutter of doors				
8028	Styles 4x2.00x0.115x0.03 =0.0276 cum +Top rails 1x1.08x0.11x0.03m = 0.0036 cum +Bottom rails 1x1.08x0.212x0.03'= 0.0069 cum +Lock rails 1x1.08x0.18x0.03 = 0.0058 cum Total =0.0439 cum + 0.004 cum (Wastage @5%) Grand Total =0.0483 cum OR 4.830 cudm	10 cudm	4.83	1700.00	8211.00
8215	Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked	10 Nos	0.40	310.00	124.00
8211	Stainless steel screws 40 mm	100 Nos	0.32	250.00	80.00
	LABOUR				
0156	Carpenter (average)	day	0.33	369.00	121.77
0114	Beldar	day	0.33	306.00	100.98
9999	Sundries T&P etc.	L.S.	5.62	2.12	11.91
	TOTAL				8649.66
	Add 1 % Water charges				86.50
	TOTAL				8736.16 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				1227.43
	Total				9963.59 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1494.54
	Cost of 2.16 sqm				11458.13
	Cost of 1 sqm				5304.69
	Add 1% labour cess				53.05
	rate included labour cess				5357.74
	Say				5357.70
26.5	Providing & fixing in position Phenol bonded Bamboo wood panelling of 10mm thick, in 25 to 40 mm thick panelled or panelled & glazed shutters for doors, windows, clerestorey windows, in approved colour, texture & finish. The bombboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. The panels shall have profiled interlocking system locked in place with bamboo pins all complete as per direction of the Engineer in-charge. (area of opening for panel inserts excluding portion inside grooves or rebates to be measured)				
	Details of cost for shutters of a door with 2/3rd panelling... 200 x 108 cm = 2.16 sqm				
	Panel area = 4x45.1x36.55cm = 0.66 sqm				













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL				
8029	Bamboo wood panelling (10mm thick) 4x 47.2x38.65x1.0cm = 0.0073cum + 0.0007 sqm (Add Wastage @10%) Total = 0.008 cum OR 8 cudm	10 cudm	0.80	1680.00	1344.00
	LABOUR				
0156	Carpenter (average)	day	0.57	369.00	210.33
9999	Sundries	L.S.	4.42	2.12	9.37
	TOTAL				1563.70
	Add 1 % Water charges				15.64
	TOTAL				1579.34 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				221.90
	Total				1801.23 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				270.19
	Cost of 0.66 sqm				2071.42
	Cost of 1 sqm				3138.51
	Add 1% labour cess				31.39
	rate included labour cess				3169.90
	Say				3169.90
26.6	Providing & fixing in position 65 mm thick factory made door frame of Phenol bonded Bamboo wood (superior class, interior use), in approved colour, texture and finish. The bamboo wood shall have minimum density of 1000 Kg/cum, minimum Hardness 1000 Kgf. The door frame shall have tenon & mortise interlocking system, to be fixed to the wall with 100 mm size G.I screws all a complete as per direction of Engineer-in charge.				
	Detail of cost for 33 cudm				
	MATERIAL				
8030	Superior class Bamboo wood door frame 65 mm thick 2x206.75x9.5x6.5 cm = 0.0255 cum + 1x117.50x9.5x6.5 cm = 0.0072 cum Total = 0.033 cum = 33 cudm + 0.001 cum (Add for wastage @ 5%) Grand total = 0.034 cum = 34 Cudm	10 cudm	3.40	1675.00	5695.00
	LABOUR				
0111	Carpenter 1st class	day	0.72	413.00	297.36
0114	Beldar	day	0.07	306.00	21.42
	TOTAL				6013.78
	Add 1 % Water charges				60.14
	TOTAL				6073.92 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				853.39
	Total				6927.30 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1039.10
	Cost of 33 cudm				7966.40
	Cost of 1 cudm				241.41
	Add 1% labour cess				2.41
	rate included labour cess				243.82
	Say				243.80
26.6A	Providing, erecting, laying and fixing in position in 3.5 to 4 mm thick bamboo mat corrugated sheet (BMCS) as per IS: 15476-2004 in roofing with self drilling screws along with EPDM washers complete or with galvanized iron J or L hooks 8mm dia G.I. plain and bitumen washers etc, all complete as per direction of Engineer-in-Charge.				
	Details of cost for 181.30sqm area.				
	Consider a sheet of 18mx9m (external dimension of plinth). Area of roof = 18.5x9.8m = 181.30 sqm.				
	MATERIAL:				
	Sheets used = 2x 19 nos (2.44m x 1.05m) & 4x19 nos (1.83mx 1.05m). Total area = (2x19x2.44x1.05)+(4x19 x1.83x1.05) = 243.39sqm, Add wastage @ 3% = 7.30 sqm, Total area = 250.69 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8144	Bamboo Mat corrugated sheets 3.5 to 4mm thick conforming to IS 15476:2004 Weight of sheets, For 2.44mx1.05m sheet size, 12kg/Nos x 38 nos = 456 kgs, For 1.83m x 1.05m sheet size, 9kgs/ Nos x 76 Nos = 684 kgs. Total weight of sheet = 456+684 = 1140 kgs = 1.14 tonne	sqm	250.69	2648.00	663827.12
2358	Carriage of Bamboo Mat corrugated sheets and accessories	tonne	1.14	17700.00	20178.00
1023	Galvanized steel J or L hooks 8mm dia	10 Nos	68.40	120.00	8208.00
1208	Bitumen washer	100 Nos	6.84	30.00	205.20
1209	G.I. plain washer thick	100 Nos	6.84	35.00	239.40
9977	Carriage of bolts and washers	L.S.	11.58	2.12	24.55
9999	Sundries	L.S.	56.78	2.12	120.37
	LABOUR:				
0130	Mistry	day	3.00	306.00	918.00
0112	Carpenter 2nd class	day	3.00	369.00	1107.00
0114	Beldar	day	9.00	306.00	2754.00
	TOTAL				697581.64 W
	Add 1 % Water charges on "W"				6975.82
	TOTAL				704557.46 X
	Add GST on "X" (multiplying factor 0.1405)				98990.32
	TOTAL				803547.78 Y
	Add 15% CPOH on "Y"				120532.17
	TOTAL				924079.95 Z
	Add Cess @ 1% on "Z"				9240.80
	Cost of 181.30 sqm				933320.75
	Cost of 1sqm				5147.94
	Say	per sqm			5147.90
26.6B	Providing and fixing in position ridges of 3.5 to 4 mm thick bamboo mat ridge cap (BMRC) as per IS: 15476-2004 in roofing with self drilling screws along with EPDM washers complete or with galvanized iron J or L hooks 8mm dia G.I. plain and bitumen washers etc, all complete as per direction of Engineer-in-Charge.				
	Details of cost for length of ridge 18.50 metre (pair of 43cm width each) Consider a shed of 18mx9m (external dimensions of plinth). Length of ridge 18.50 metre. MATERIAL: Ridges (Male & female) of size: 1.05m length required = 20 sets x 1.05m = 21.00 metre, Add wastage @ 5% = 1.05 metre, Total length = 22.05 metre.				
8145	Bamboo Mat Ridge cap 3.5 to 4mm thick conforming to IS 15476:2004	metre	22.05	2570.00	56668.50
9977	Carriage (The ridges to be fixed with the same hooks as the sheets)	L.S.	19.43	2.12	41.19
9999	Sundries	L.S.	9.71	2.12	20.59
	LABOUR:				
0130	Mistry	day	0.20	306.00	61.20
0112	Carpenter 2nd class	day	0.20	369.00	73.80
0114	Beldar	day	0.60	306.00	183.60
	TOTAL				57048.8768 W
	Add 1 % Water charges on "W"				570.49
	TOTAL				57619.3656 X
	Add GST on "X" (multiplying factor 0.1405)				8095.52











Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				65714.8864 Y
	Add 15% CPOH on "Y"				9857.23
	TOTAL				75572.1194 Z
	Add Cess @ 1% on "Z"				755.72
	Cost of 18.50 metre				76327.84
	Cost of 1 metre				4125.83
	Say per metre				4125.80
26.6C	Providing and fixing at all height false ceiling of 4mm thick phenol bonded Bamboo Mat board (595x595mm) conforming to IS:13958-1994 including providing and fixing of frame work made of GI angle 25x25x0.4 mm thick all around suitably fixed to wall with the help of dash fastener and hanger frame (600x600 c/c) made GI slotted Tee having powder coating on bottom side (30x25x0.3 mm thick for main member & 25x25x0.3 mm for cross member) connected to ceiling with 2.64mm GI wire and anchor fastener at every junction and also including cost of making openings for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed all complete as per direction of Engineer-in-charge.				
	Details of cost for 100 sqm.				
	Ceiling area = 100sqm, Add wastage @ 5% = 5sqm, Total area = 105 sqm				
	MATERIAL:				
8147	4mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	105.00	1738.00	182490.00
	Weight: (0.595x0.595m of Bamboo board). Total number of board = 297.				
	Total weight of Bamboo board = 297 Nos x 1.31kgs/Nos = 389.07 kgs = 0.39 tonne.				
2358	Carriage of 4mm thick Bamboo mat board and accessories.	tonne	0.39	17700.00	6903.00
8570	GI Main T ceiling section 30x25x0.3 mm (3 metre long) including of wastage of 10%	each	29.50	210.00	6195.00
8571	GI Perimeter wall angle 25x25x0.4 mm (3 metre long) including of wastage of 10%	each	13.50	170.00	2295.00
8572	GI Intermediate cross T section 25x25x0.3 mm (1.2 metre long) including of wastage of 10% on grid cutouts.	each	147.00	80.00	11760.00
8573	GI Intermediate cross T section 25x25x0.3 mm (0.6 metre long) including of wastage of 10% on grid cutouts.	each	147.00	35.00	5145.00
8615	Hanger rod 4mm thick	each	72.00	10.00	720.00
8616	Adjustment clip 85x30x0.8mm	each	72.00	6.00	432.00
7015	Soffit cleat (size 27x37x25x1.60mm)	each	72.00	3.00	216.00
7388	Dash hold fasteners 12.5mm dia, 50mm long with 6mm dia bolts	each	72.00	10.00	720.00
9977	Carriage of grid materials	L.S.	89.28	2.12	189.27
9999	Sundries	L.S.	187.95	2.12	398.45
	LABOUR:				
0112	Carpenter 2nd class	day	28.00	369.00	10332.00
0114	Beldar	day	23.00	306.00	7038.00
	TOTAL				234833.73 W
	Add 1 % Water charges on "W"				2348.34
	TOTAL				237182.06 X
	Add GST on "X" (multiplying factor 0.1405)				33324.08
	TOTAL				270506.14 Y
	Add 15% CPOH on "Y"				40575.92
	TOTAL				311082.067 Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add Cess @ 1% on "Z"				3110.82
	Cost of 100 sqm				314192.89
	Cost of 1sqm				3141.93
	Say				3141.90
26.6D	Providing and fixing at Bamboo Mat board conforming to IS:13958-1994 for partition to frame by bucking or studding with screws etc. complete (Frames, backing or studding to be paid separately)				
26.6D.1	3mm thickness				
	Details of cost for 3.5mx2m = 7.0 sqm				
	Partition area = 7.0sqm, Add wastage @ 5% = 0.35sqm, Total area = 7.35 sqm				
	MATERIAL:				
8146	3mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	7.35	1508.00	11083.80
	Weight: 7.35sqm x 2.70 kgs/sqm = 19.845 kgs = 0.02 tonne.				
2358	Carriage of 3mm thick Bamboo mat board and accessories.	tonne	0.02	17700.00	354.00
9999	Sundries and screws	LS	26.91	2.12	57.05
	LABOUR:				
112	Carpenter 2nd class	Day	0.9	369.00	332.10
114	Beldar	day	1	306.00	306.00
	TOTAL				12132.95 W
	Add 1 % Water charges on "W"				121.33
	TOTAL				12254.28 X
	Add GST on "X" (multiplying factor 0.1405)				1721.73
	TOTAL				13976.00 Y
	Add 15% CPOH on "Y"				2096.40
	TOTAL				16072.4056 Z
	Add Cess @ 1% on "Z"				160.72
	Cost of 7 sqm				16233.13
	Cost of 1sqm				2319.02
	Say				2319.00
26.6D.2	26.6D.2 4mm thickness				
	Details of cost for 3.5mx2m = 7.0 sqm Partition area = 7.0sqm, Add wastage @ 5% = 0.35sqm, Total area = 7.35 sqm				
	MATERIAL:				
8147	4mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	7.35	1738.00	12774.30
	Weight: 7.35sqm x 3.70 kgs/sqm = 27.195 kgs = 0.03 tonne.				
2358	Carriage of 4mm thick Bamboo mat board and accessories.	tonne	0.03	17700.00	531.00
9999	Sundries and screws	L.S.	26.91	2.12	57.05
	LABOUR:				
0112	Carpenter 2nd class	day	0.90	369.00	332.10
0114	Beldar	day	1.00	306.00	306.00
	TOTAL				14000.45 W
	Add 1 % Water charges on "W"				140.00
	TOTAL				14140.45 X
	Add GST on "X" (multiplying factor 0.1405)				1986.73
	TOTAL				16127.19 Y
	Add 15% CPOH on "Y"				2419.08
	TOTAL				18546.27 Z













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add Cess @ 1% on "Z"				185.46
	Cost of 7 sqm				18731.73
	Cost of 1sqm				2675.96
	Say				2676.00
26.6D.3	6mm thickness				
	Details of cost for 3.5mx2m = 7.0 sqm				
	Partition area = 7.0sqm, Add wastage				
	@ 5% = 0.35sqm, Total area = 7.35 sqm				
	MATERIAL:				
8148	6mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	7.35	2098.00	15420.30
	Weight: 7.35sqm x 5.40 kgs/sqm = 39.69 kgs = 0.04 tonne.				
2358	Carriage of 6mm thick Bamboo mat board and accessories.	tonne	0.04	17700.00	708.00
9999	Sundries and screws	L.S.	26.91	2.12	57.05
	LABOUR:				
0112	Carpenter 2nd class	day	0.90	369.00	332.10
0114	Beldar	day	1.00	306.00	306.00
	TOTAL				16823.45 W
	Add 1 % Water charges on "W"				168.23
	TOTAL				16991.68 X
	Add GST on "X" (multiplying factor 0.1405)				2387.33
	TOTAL				19379.02 Y
	Add 15% CPOH on "Y"				2906.85
	TOTAL				22285.87 Z
	Add Cess @ 1% on "Z"				222.86
	Cost of 7 sqm				22508.73
	Cost of 1sqm				3215.53
	Say				3215.50
26.6D.4	9mm thickness				
	Details of cost for 3.5mx2m = 7.0 sqm				
	Partition area = 7.0sqm, Add wastage				
	@ 5% = 0.35sqm, Total area = 7.35 sqm				
	MATERIAL:				
8149	9mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	7.35	2688.00	19756.80
	Weight: 7.35sqm x 5.40 kgs/sqm = 39.69 kgs = 0.04 tonne.				
2358	Carriage of 6mm thick Bamboo mat board and accessories.	tonne	0.04	17700.00	708.00
9999	Sundries and screws	L.S.	26.91	2.12	57.05
	LABOUR:				
0112	Carpenter 2nd class	day	0.90	369.00	332.10
0114	Beldar	day	1.00	306.00	306.00
	TOTAL				21159.95 W
	Add 1 % Water charges on "W"				211.60
	TOTAL				21371.55 X
	Add GST on "X" (multiplying factor 0.1405)				3002.70
	TOTAL				24374.25 Y
	Add 15% CPOH on "Y"				3656.14
	TOTAL				28030.39 Z
	Add Cess @ 1% on "Z"				280.30
	Cost of 7 sqm				28310.69
	Cost of 1sqm				4044.38
	Say				4044.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.6D.5	12mm thickness Details of cost for 3.5mx2m = 7.0 sqm Partition area = 7.0sqm, Add wastage @ 5% = 0.35sqm, Total area = 7.35 sqm MATERIAL:				
8150	12mm thick Bamboo Mat Board conforming to IS 13958:1994 Weight: 7.35sqm x 5.40 kgs/sqm = 39.69 kgs = 0.04 tonne.	sqm	7.35	3115.00	22895.25
2358	Carriage of 6mm thick Bamboo mat board and accessories.	tonne	0.04	17700.00	708.00
9999	Sundries and screws	L.S.	26.91	2.12	57.05
	LABOUR:				
0112	Carpenter 2nd class	day	0.90	369.00	332.10
0114	Beldar	day	1.00	306.00	306.00
	TOTAL				24298.40 W
	Add 1 % Water charges on "W"				242.98
	TOTAL				24541.38 X
	Add GST on "X" (multiplying factor 0.1405)				3448.06
	TOTAL				27989.45 Y
	Add 15% CPOH on "Y"				4198.42
	TOTAL				32187.8647 Z
	Add Cess @ 1% on "Z"				321.88
	Cost of 7 sqm				32509.74
	Cost of 1sqm				4644.25
	Say				4644.20
26.6E	Providing and fixing at all height wall panelling with phenol bonded Bamboo Mat board conforming to IS:13958-1994 including providing and fixing to frame work made of 50mm x 50mm hardwood plugs including cutting brick work and fixing in cement mortar and making good the wall etc. and also providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws all complete as per direction of Engineer-in- Charge.				
26.6E.1	9mm thickness Details of cost for panelling area of 5mx4m = 20.00 sqm with moulding length of 18.00 metre Wall panelling area = 20.00sqm, Add wastage @ 5% = 1.0sqm, Total area = 21.00 sqm MATERIAL:				
8149	9mm thick Bamboo Mat Board conforming to IS 13958:1994 Weight: 21sqm x 8.40 kgs/sqm = 176.4 kgs = 0.18 tonne.	sqm	21.00	2688.00	56448.00
2358	Carriage of 9mm thick Bamboo mat board and accessories.	tonne	0.18	17700.00	3186.00
1316	50mmx50mm hardwood plug	each	45.00	50.00	2250.00
1190	Second class teak wood in planks	10 cudm	2.477	791.00	1959.31
2204	Carriage of timber	cum	0.02477	187.35	4.64
0637	Bright finished or black enamelled mild steel screws 40mm	100 Nos	0.70	60.00	42.00
9999	Sundries	L.S.	26.91	2.12	57.05
	LABOUR:				
0112	Carpenter 2nd class	day	2.00	369.00	738.00
0114	Beldar	day	2.00	306.00	612.00
	TOTAL				65297.00 W
	Add 1 % Water charges on "W"				652.97













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				65949.97 X
	Add GST on "X" (multiplying factor 0.1405)				9265.97
	TOTAL				75215.94 Y
	Add 15% CPOH on "Y"				11282.39
	TOTAL				86498.3277 Z
	Add Cess @ 1% on "Z"				864.98
	Cost of 20 sqm				87363.31
	Cost of 1sqm				4368.17
	Say				4368.20
26.6E.2	12mm thickness				
	Details of cost for panelling area of 5mx4m = 20.00 sqm with moulding length of 18.00 metre				
	Wall panelling area = 20.00sqm,				
	Add wastage @ 5% = 1.0sqm,				
	Total area = 21.00 sqm				
	MATERIAL:				
8150	12mm thick Bamboo Mat Board conforming to IS 13958:1994	sqm	21.00	3115.00	65415.00
	Weight: 21sqm x 8.40 kgs/sqm = 176.4 kgs = 0.18 tonne.				
2358	Carriage of 9mm thick Bamboo mat board and accessories.	tonne	0.18	17700.00	3186.00
1316	50mmx50mm hardwood plug	each	45.00	50.00	2250.00
1190	Second class teak wood in planks	10 cudm	2.477	791.00	1959.31
2204	Carriage of timber	cum	0.02477	187.35	4.64
0637	Bright finished or black enamelled mild steel screws 40mm	100 Nos	0.70	60.00	42.00
9999	Sundries	L.S.	26.91	2.12	57.05
	LABOUR:				
0112	Carpenter 2nd class	day	2.00	369.00	738.00
0114	Beldar	day	2.00	306.00	612.00
	TOTAL				74264.00 W
	Add 1 % Water charges on "W"				742.64
	TOTAL				75006.64 X
	Add GST on "X" (multiplying factor 0.1405)				10538.43
	TOTAL				85545.07 Y
	Add 15% CPOH on "Y"				12831.76
	TOTAL				98376.83 Z
	Add Cess @ 1% on "Z"				983.77
	Cost of 20 sqm				99360.60
	Cost of 1sqm				4968.03
	Say				4968.00
26.7	Providing and fixing 50 mm thick extruded polystyrene rigid insulation board of required size between cavity wall, complying with ISO 4898:2008 & ASTM C 578- 08b - type VI, having thermal conductivity of 0.0289 W/m K as per ASTM C 578 (measured as per IS 3346), compressive strength of > 350 kPa listed as per ASTM D 1621, density of 34-36 kg/m³ as per ASTM D 1622, water absorptions 1% by volume as per ASTM D 2842, oxygen index of 24.1 to 28.1 listed as per ASTM D 2863, cell size 0.4 mm of dia (max) as per ASTM D 3576. Fire retardent property as per DIN 4102, Part 1 of class B2 and as per ASTM E84 class A, fixed with suitable water based adhesive and fastener, complete in all respect as per the direction of Engineer-in-Charge.				
	Details of cost for 10 Sqm				
	MATERIAL				
8561	Extruded polystyrene rigid insulation board 50 mm thick including 2% wastage	sqm	10.20	550.00	5610.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0111	Carpenter 1st class	day	0.25	413.00	103.25
0128	Mate	day	0.25	325.00	81.25
0114	Beldar	day	0.25	306.00	76.50
9999	Sundries (Water based adhesive, fasteners, scaffolding etc.)	L.S.	100.00	2.12	212.00
	TOTAL				6083.00
	Add 1 % Water charges				60.83
	TOTAL				6143.83 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				863.21
	Total				7007.04 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1051.06
	Cost of 10 sqm				8058.09
	Cost of 1 sqm				805.81
	Add 1% labour cess				8.06
	rate including labour cess				813.87
	Say				813.90
26.8	Providing and fixing 50 mm thick extruded polystyrene rigid insulation board of required size under deck on ceiling surface, complying with ISO 4898:2008 & ASTM C 578-08b - type VI, having thermal conductivity of 0.0289 W/m K as per ASTM C 578 (measured as per IS 3346), compressive strength of > 350 kPa listed as per ASTM D 1621, density of 34-36 kg/cum as per ASTM D 1622, water absorptions 1% by volume as per ASTM D 2842, oxygen index of 24.1 to 28.1 listed as per ASTM D 2863, cell size 0.4 mm of dia (max) as per ASTM D 3576. Fire retardent property as per DIN 4102, Part 1 of class B2 and as per ASTM E84 class A, fixed with suitable water based adhesive and fastener, complete in all respect as per the direction of Engineer-in-Charge				
	Details of cost for 10 Sqm				
	MATERIAL				
8561	Extruded polystyrene rigid insulation board 50 mm thick including 2% wastage	sqm	10.20	550.00	5610.00
	LABOUR				
0111	Carpenter 1st class	day	0.50	413.00	206.50
0128	Mate	day	0.50	325.00	162.50
0114	Beldar	day	0.50	306.00	153.00
9999	Sundries (Water based adhesive, fasteners, scaffolding etc.)	L.S.	100.00	2.12	212.00
	TOTAL				6344.00
	Add 1 % Water charges				63.44
	TOTAL				6407.44 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				900.25
	Total				7307.69 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1096.15
	Cost of 10 sqm				8403.84
	Cost of 1 sqm				840.38
	Add 1% labour cess				8.40
	rate including labour cess				848.79
	Say				848.80
26.9	Providing and fixing factory made solid Foam uPVC profile for kitchen cabinet frame (45 x 20 mm) of approved shade, quality and make. The profile shall be laminated on both sides, made from rigid foam sheets (Single extruded) having density 600 Kg/cum and the exposed edges sealed with PVC edge beading of same shade and colour. The frame shall be fire retardent with necessary screw holding capacity. Frame shall be fixed to wall using Expendable Fastner with necessary stainless steel screws, all complete as per direction of Engineer-in- charge				
	Details of cost for kitchen cabinate (2.00 x 0.45)+(2.00+0.61)= 2.13 mtr				
	MATERIAL				
2491	Pre laminated both side solid foam uPVC profile (45x20mm)(Accuplist/Accucel/				













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Sintex or equivalent)	metre	2.13	134.00	285.42
2493	PVC edge beading	metre	4.26	32.00	136.32
2494	Expandable fastner with plastic sleeve	each	8.00	6.00	48.00
8210	Stainless steel screws 50 mm	100 Nos	0.08	300.00	24.00
	LABOUR				
0111	Carpenter 1st class	day	0.10	413.00	41.30
0114	Beldar	day	0.10	306.00	30.60
	TOTAL				565.64
	Add 1 % Water charges				5.66
	TOTAL				571.30 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				80.27
	Total				651.56 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				97.73
	Cost for 2.13 metre				749.30
	Cost for 1 metre				351.78
	Add 1% labour cess				3.52
	rate including labour cess				355.30
	Say				355.30
26.10	Providing and fixing factory made Kitchen Cabinet Shutter/Partition 20 mm nominal thickness of approved shade, quality and make, made from rigid foam sheets (Single extruded) having density 600 Kg/cum and laminated on both side by laminate Sheet/PVC foil lamination. The exposed edges shall be sealed with PVC edge beading of same shade and colour. The shutter shall be fire retardent having necessary screw holding capacity. Shutter shall be fixed to frame using approved hinges with necessary stainless steel screws, all complete as per direction of Engineer-in-charge.				
	Details of cost for of one shutter 0.46 x0.61m =0.278 sqm				
	MATERIAL				
2492	Solid foam uPVC sheet 20mm thick pre laminated on both side(Accuplist/Accucel/ Sintex)	sqm	0.28	2153.00	598.53
2493	PVC edge beading	metre	2.13	32.00	68.16
9999	Sundries	L.S.	20.00	2.12	42.40
	LABOUR				
0111	Carpenter 1st class	day	0.20	413.00	82.60
0114	Beldar	day	0.20	306.00	61.20
	TOTAL				852.89
	Add 1 % Water charges				8.53
	TOTAL				861.42 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				121.03
	Total				982.45 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				147.37
	Cost for 0.278 sqm				1129.82
	Cost for 1 sqm				4064.10
	Add 1% labour cess				40.64
	rate including labour cess				4104.74
	Say				4104.70
26.11	Providing and fixing concealed hinge of approved quality for 19-20mm thick door with stainless steel screws complete :				
	Details of cost for 10 nos				
8226	MATERIAL				
	Concealed zinc coated hinges 19-20 mm thick with mounting plate hettich make(code 1078660)	10Nos	0.10	460.00	46.00
8210	Stainless steel screws 50 mm	100Nos	0.80	300.00	240.00
9977	Carriage of material	L.S.	2.73	2.12	5.79
	LABOUR				
0112	Carpenter 2nd class	day	0.14	369.00	51.66

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.09	306.00	27.54
	TOTAL				370.99
	Add 1 % Water charges				3.71
	TOTAL				374.70 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				52.64
	Total				427.34 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				64.10
	Cost of 10 nos				491.44
	Cost of 1 no				49.14
	Add 1% labour cess				0.49
	rate including labour cess				49.64
	Say				49.60
26.12	Supplying & laying of bi-axial extruded high modulus polypropylene geogrid coforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 15kN/m in the longitudinal and transverse direction, with 5kN/m and 7kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm X 38mm mesh opening.				
	Details of Cost for 300 Sqm				
	MATERIAL				
8956	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the fascia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transpotarion & takes. 10% of A=15900	Sqm	300.00	120.00	36000.00
	LABOUR				3600.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				42660.00
	Add 1 % Water charges				426.60
	TOTAL				43086.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				6053.67
	Total				49140.27 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				7371.04
	Cost for 300 Sqm				56511.31
	Cost per Sqm				188.37
	Add 1% labour cess				1.88
	rate included labour cess				190.25
	Say				190.30
26.13	Supplying & laying of bi-axial extruded high modulus polypropylene geogrid coforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 20kN/m in the longitudinal and transverse direction, with 7kN/m and 14kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm X 38mm mesh opening.				
	Details of Cost for 300 Sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL				
8957	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 327000=3270	Sqm	300.00	135.00	40500.00
	transpotarion & takes. 10% of A=15900				4050.00
	LABOUR				
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				47610.00
	Add 1 % Water charges				476.10
	TOTAL				48086.10 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				6756.10
	Total				54842.20 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				8226.33
	Cost for 300 Sqm				63068.53
	Cost per Sqm				210.23
	Add 1% labour cess				2.10
	rate included labour cess				212.33
	Say				212.30
26.14	Supplying & laying of bi-axial extruded high modulus polypropylene geogrid coforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 30kN/m in the longitudinal and transverse direction, with 10.5kN/m and 21kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm X 38mm mesh opening.				
	Details of Cost for 300 Sqm				
	MATERIAL				
8958	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 53400=5340	Sqm	300.00	205.00	61500.00
	LABOUR				
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				70710.00
	Add 1 % Water charges				707.10
	TOTAL				71417.10 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				10034.10
	Total				81451.20 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				12217.68
	Cost for 300 Sqm				93668.88
	Cost per Sqm				312.23













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 1% labour cess				3.12
	rate included labour cess				315.35
	Say				315.40
26.15	Supplying & laying of bi-axial extruded high modulus polypropylene geogrid coforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 40kN/m in the longitudinal and transverse direction, with 14kN/m and 28kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm X 38mm mesh opening.				
	Details of Cost for 300 Sqm				
	MATERIAL				
8959	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including	Sqm	300.00	290.00	87000.00
	taxes and transportation. 10% of 78000=7800				8700.00
	LABOUR				
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				98760.00
	Add 1 % Water charges				987.60
	TOTAL				99747.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				14014.54
	Total				113762.14 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				17064.32
	Cost for 300 Sqm				130826.46
	Cost per Sqm				436.09
	Add 1% labour cess				4.36
	rate included labour cess				440.45
	Say				440.40
26.16	Supplying & laying of drainage composite for use behind walls, between two different fills, alongside drains of road, below concrete lining of canals etc. Geocomposite for planar drainage, realized by thermobonding a draining core in extruded monofilaments with two filtering nonwoven geotextiles that may also be working as separation or protecting layers. The draining three dimensional core will have 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 that will be working as separation or protecting layer, geocomposite having in plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 18 kN/m , with mass per unit area of 740 gsm, supplied in the form of roll for easy transportation to site of work as per detailed specification all complete as per directions of Engineer in charge.				
	Material				
8960	Details of Cost for 300 Sqm Geosynthetic Drainage Composite Add 10 per cent of the cost of synthetic Composites for wastage and accessories for joining sheets with the facia pannels, overlaps and other protective elements for synthetic Composites and other miscellaneous activities required to complete the item in all respect	Sqm	300.00	530.00	159000.00 A

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	including transpotarion & takes. 10% of A				15900.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				177960.00
	Add 1 % Water charges				1779.60
	TOTAL				179739.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				25253.41
	Total				204993.01 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				30748.95
	Cost for 300 Sqm				235741.97
	Cost per Sqm				785.81
	Add 1% labour cess				7.86
	rate included labour cess				793.66
	Say				793.70
26.17	Supplying & laying of drainage composite for use behind walls, between two different fills, alongside drains of road, below concrete lining of canals etc. 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 that will be working as separation or protecting layer, geocomposite 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, at easily accessible location including top and bottom, with all leads and lifts, manpower and machinery, materials, labour etc. complete and as directed by Engineer - In - Charge.				
	Material				
8961	Details of Cost for 300 Sqm Geosynthetic Drainage Composite Add 10 per cent of the cost of synthetic Composites for wastage and accessories for joining sheets with the facia pannels, overlaps and other protective elements for synthetic Composites and other miscelleneus activities required to complete the item in all respect including	Sqm	300.00	630.00	189000.00
	transpotarion & takes. 10% of A				18900.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				210960.00
	Add 1 % Water charges				2109.60
	TOTAL				213069.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				29936.28
	Total				243005.88 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				36450.88
	Cost for 300 Sqm				279456.76
	Cost per Sqm				931.52
	Add 1% labour cess				9.32
	rate included labour cess				940.84
	Say				940.80
26.18	Supplying and laying high strength flexible geogrids (HSFG) as soil reinforcement / basal reinforcement as per MORTH 3100 and IRC 113, made of high tenacity polyester core with polyethylene coating with Minimum Long Term Design Strength (LTDS) of more than 50% of ultimate tensile strength at 30 degree Celcius corresponding to 12 % strain .				
26.18.1	Ultimate tensile strength- 100 kN/m MATERIAL				



Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8962	Details of Cost for 300 Sqm Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 60000=6000 LABOUR	Sqm	300.00	200.00	60000.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				69060.00
	Add 1 % Water charges				690.60
	TOTAL				69750.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				9799.96
	Total				79550.56 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				11932.58
	Cost for 300 Sqm				91483.14
	Cost per Sqm				304.94
	Add 1% labour cess				3.05
	rate included labour cess				307.99
	Say				308.00
26.18.2	Ultimate tensile strength- 150 kN/m MATERIAL				
8963	Details of Cost for 300 Sqm Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 66000=6600 LABOUR	Sqm	300.00	210.00	63000.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				72360.00
	Add 1 % Water charges				723.60
	TOTAL				73083.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				10268.25
	Total				83351.85 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				12502.78
	Cost for 300 Sqm				95854.62
	Cost per Sqm				319.52
	Add 1% labour cess				3.20
	rate included labour cess				322.71
	Say				322.70
26.18.3	Ultimate tensile strength- 200 kN/m MATERIAL				
	Details of Cost for 300 Sqm Synthetic Geogrid				






















Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8964	Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect	Sqm	300.00	340.00	102000.00
	including taxes and transportation. 10% of 90000=9000				10200.00
	LABOUR				
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				115260.00
	Add 1 % Water charges				1152.60
	TOTAL				116412.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				16355.97
	Total				132768.57 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				19915.29
	Cost for 300 Sqm				152683.86
	Cost per Sqm				508.95
	Add 1% labour cess				5.09
	rate included labour cess				514.04
	Say				514.00
26.18.4	Ultimate tensile strength- 250 kN/m				
	MATERIAL				
	Details of Cost for 300 Sqm				
8965	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect	Sqm	300.00	350.00	105000.00
	including taxes and transportation. 10% of 99000=9900				10500.00
	LABOUR				
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				118560.00
	Add 1 % Water charges				1185.60
	TOTAL				119745.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				16824.26
	Total				136569.86 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				20485.48
	Cost for 300 Sqm				157055.34
	Cost per Sqm				523.52
	Add 1% labour cess				5.24
	rate included labour cess				528.75
	Say				528.80
26.18.5	Ultimate tensile strength- 300 kN/m				
	MATERIAL				
	Details of Cost for 300 Sqm Synthetic Geogrid				

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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8968	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 126000 '=12600	Sqm	300.00	450.00	135000.00
	LABOUR				13500.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				151560.00
	Add 1 % Water charges				1515.60
	TOTAL				153075.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				21507.12
	Total				174582.72 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				26187.41
	Cost for 300 Sqm				200770.13
	Cost per Sqm				669.23
	Add 1% labour cess				6.69
	rate included labour cess				675.93
	Say				675.90
26.18.8	Ultimate tensile strength- 500 kN/m				
	MATERIAL				
	Details of Cost for 300 Sqm				
8969	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 150000=15000	Sqm	300.00	500.00	150000.00
	LABOUR				15000.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				168060.00
	Add 1 % Water charges				1680.60
	TOTAL				169740.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				23848.55
	Total				193589.15 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				29038.37
	Cost for 300 Sqm				222627.53
	Cost per Sqm				742.09
	Add 1% labour cess				7.42
	rate included labour cess				749.51
	Say				749.50
26.18.9	Ultimate tensile strength- 600 kN/m				
	MATERIAL				
	Details of Cost for 300 Sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8970	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the fascia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 165000 =16500 LABOUR	Sqm	300.00	550.00	165000.00
					16500.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				184560.00
	Add 1 % Water charges				1845.60
	TOTAL				186405.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				26189.99
	Total				212595.59 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				31889.34
	Cost for 300 Sqm				244484.92
	Cost per Sqm				814.95
	Add 1% labour cess				8.15
	rate included labour cess				823.10
	Say				823.10
26.18.10	Ultimate tensile strength- 700 kN/m				
	MATERIAL				
	Details of Cost for 300 Sqm				
8971	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the fascia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 195000 =19500 LABOUR	Sqm	300.00	650.00	195000.00
					19500.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				217560.00
	Add 1 % Water charges				2175.60
	TOTAL				219735.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				30872.85
	Total				250608.45 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				37591.27
	Cost for 300 Sqm				288199.72
	Cost per Sqm				960.67
	Add 1% labour cess				9.61
	rate included labour cess				970.27
	Say				970.30
26.18.11	Ultimate tensile strength- 800 kN/m				
	MATERIAL				
	Details of Cost for 300 Sqm				








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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8972	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 212400 =21240 LABOUR	Sqm	300.00	725.00	217500.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				242310.00
	Add 1 % Water charges				2423.10
	TOTAL				244733.10 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				34385.00
	Total				279118.10 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				41867.72
	Cost for 300 Sqm				320985.82
	Cost per Sqm				1069.95
	Add 1% labour cess				10.70
	rate included labour cess				1080.65
	Say				1080.70
26.18.12	Ultimate tensile strength- 900 kN/m MATERIAL Details of Cost for 300 Sqm				
8973	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 252300 =25230 LABOUR	Sqm	300.00	850.00	255000.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOATL				283560.00
	Add 1 % Water charges				2835.60
	TOTAL				286395.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				40238.58
	Total				326634.18 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				48995.13
	Cost for 300 Sqm				375629.31
	Cost per Sqm				1252.10
	Add 1% labour cess				12.52
	rate included labour cess				1264.62
	Say				1264.60
26.18.13	Ultimate tensile strength- 1000 kN/m MATERIAL Details of Cost for 300 Sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8974	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the fascia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 285000 =28500 LABOUR	Sqm	300.00	950.00	285000.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				315453.00
	Add 1 % Water charges				3154.53
	TOTAL				318607.53 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				44764.36
	Total				363371.89 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				54505.78
	Cost for 300 Sqm				417877.67
	Cost per Sqm				1392.93
	Add 1% labour cess				13.93
	rate included labour cess				1406.85
	Say				1406.90
26.18.14 Ultimate tensile strength- 1100 kN/m					
MATERIAL					
Details of Cost for 300 Sqm					
8975	Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the fascia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation.=10% of 300000 LABOUR	Sqm	300.00	1000.00	300000.00
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	TOTAL				333060.00
	Add 1 % Water charges				3330.60
	TOTAL				336390.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				47262.88
	Total				383653.48 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				57548.02
	Cost for 300 Sqm				441201.50
	Cost per Sqm				1470.67
	Add 1% labour cess				14.71
	rate included labour cess				1485.38
	Say				1485.40
26.18.15 Ultimate tensile strength- 1200 kN/m					
MATERIAL					
Details of Cost for 300 Sqm					

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Total				174439.07 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				26165.86
	Cost of 216.14 sqm				200604.93
	Cost of 1 sqm				928.12
	Add 1% labour cess				9.28
	rate included labour cess				937.41
	Say				937.40
26.19.2	0.91 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm.				
	Details of cost for 216.14 sqm				
	Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- 20.05x10.70m = 216.14 sqm				
	MATERIAL:				
	Sheets used = 20 Nosx10.70mx1.044m = 223.42 sqm,				
	Add 3% wastage = 6.70 sqm, Total = 230.12sqm				
8978	Aluminium profile sheet 0.91 mm	sqm	230.12	785.00	180644.20
9999	Carriage of sheets	L.S.	104.00	2.12	220.48
1023	Galvanised steel J or L hooks 8 mm dia	10 Nos	47.60	120.00	5712.00
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
9999	Carriage of bolts and nuts, washers etc.	L.S.	8.06	2.12	17.09
9999	Sundries	L.S.	39.52	2.12	83.78
	LABOUR:				
0130	Mistry	day	2.34	306.00	716.04
0112	Carpenter 2nd class	day	9.34	369.00	3446.46
0114	Beldar	day	9.34	306.00	2858.04
	Total				194007.49
	Add 1 % Water charges				1940.07
	TOTAL				195947.56 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				27530.63
	Total				223478.20 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				33521.73
	Cost of 216.14 sqm				256999.93
	Cost of 1 sqm				1189.04
	Add 1% labour cess				11.89
	rate included labour cess				1200.93
	Say				1200.90
26.20	Providing round the clock security guard without gun for watch & ward of Government premises and its all belongings by deploying neatly dressed security guards in 8 hour's shift including necessary T&P like torch, lathi and uniform etc.complete,as per the direction of Engineer-in-charge.(One job means 8 hour's duty).				
	Details of cost for 1 job (8hour's duty)				
0164	Security guard (without gun)	day	1.00	474.00	474.00
9999	Lathi,torch,dress & other sundries	L.S.	10.00	2.12	21.20
	TOTAL				495.20
	Add Contractor's profit and overheads @ 15%				74.28
	Cost of 1 job				569.48
	Add 1% labour cess				5.69
	rate included labour cess				575.17
	Say				575.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.21	Providing round the clock security guard with gun for watch & ward of Government premises and its all belongings by deploying neatly dressed security guards in 8 hour's shift including necessary T&P like torch, lathi and uniform etc.complete, as per the direction of Engineer-in-charge.(One job means 8 hour's duty).				
	Details of cost for 1 job (8hour's duty)				
0165	Security guard (with gun	day	1.00	520.00	520.00
9999	Lathi,torch,uniform,wooden stick & other miscellaneous items	L.S.	10.00	2.12	21.20
	TOTAL				541.20
	Add Contractor's profit and overheads @ 15% Cost of 1 job				81.18
	Cost of 1 job				622.38
	Add 1% labour cess				6.22
	rate included labour cess				628.60
	Say				628.60
26.22	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991,in true horizontal level suspended on inter- locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main- T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
26.22.1	With 15 mm thick tegular edged light weight calcium silicate false ceiling tiles.				
	Details of cost for 100 sqm				
	MATERIAL				
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick Ceiling Area = 100 sqm + Add 5% wastage = 5 sqm Total = 105 sqm	sqm	105.00	685.00	71925.00
8590	Galvanised iron main Tee ceiling section Size 24x38x0.33 mm (3 metre long) including wastage @10%	each	29.50	140.00	4130.00
8591	Galvanised iron perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) including wastage @10%	each	13.50	90.00	1215.00
8592	Galvanised iron intermediate cross T section Size 24 x 32 x 0.33 mm (1.2 metre long) including wastage @10%	each	147.00	45.00	6615.00
8593	Galvanised iron intermediate cross T section Size 24 x 32 x 0.33 mm (0.6 metre long) including wastage @10%	each	147.00	22.00	3234.00
8588	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length	each	72.00	28.00	2016.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	72.00	15.00	1080.00













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8596	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	72.00	35.00	2520.00
NA	Galvanized MS Z Cleat of size 25 x 37 x 25 x 1.6 mm with precut hole on both 25 mm flange	each	72.00	8.00	576.00
8211	40 mm long S.S screws with plastic rawl plugs	100 nos	1.00	250.00	250.00
9999	Scaffolding etc.	L.S.	498.65	2.12	1057.14
9977	Carriage of materials etc.	L.S.	237.48	2.12	503.46
9999	Sundries	L.S.	310.70	2.12	658.68
	LABOUR				0.00
0111	Carpenter 1st class	day	28.00	413.00	11564.00
0114	Beldar	day	23.00	306.00	7038.00
	TOTAL				114382.28
	Add 1 % Water charges				1143.82
	TOTAL				115526.10 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				16231.42
	Total				131757.52 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				19763.63
	Cost of 100 sqm.				151521.15
	Cost of 1 sqm.				1515.21
	Add 1% labour cess				15.15
	rate included labour cess				1530.36
	Say				1530.40

26.22.2 With 15 mm thick tegular/butt edged without perforation plain/designer light weight calcium silicate Anti-Microbial Bio-Safe coated false ceiling tiles Confirming to JIS- Z2801 and ASTM G-21

Details of cost for 100 sqm

MATERIAL

NA	With 15 mm tegular/butt edged without perforation plain/designer light weight calcium silicate Anti-Microbial Bio-Safe coated false ceiling tiles of size 595x595 mm Ceiling Area = 100 sqm + Add 5% wastage = 5 sqm. Total= 105 sqm	each	105	775	81375.00
8590	Galvanised iron main Tee ceiling section Size 24x38x0.33 mm (3 metre long) including wastage @10%	each	29.5	140.00	4130.00
8591	Galvanised iron perimeter wall Angle Size 24 x 24 x 0.40 mm {3.00 metre long} including wastage @10%	each	13.5	90.00	1215.00
8592	Galvanised iron intermediate cross T section Size 24 x 32 x 0.33 mm (1.2 metre long) including wastage @10%	each	147	45.00	6615.00
8593	Galvanised iron intermediate cross T section Size 24 x 32 x 0.33 mm { 0.6 metre long} including wastage @10%	each	147	22.00	3234.00
8588	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length	each	72	28.00	2016.00
NA	Galavanised MS L-shape level adjuster of size 7625025x1.6 mm	each	72	12	864.00
NA	12x50 mm long dash fastener	each	72	32	2304.00
NA	Galvanized MS Z Cleat of size 25 x 37 x 25 x 1.6 mm with precut hole on both 25 mm flange	each	72	8	576.00
8211	40 mm long S.S screws with plastic rawl plugs	100 nos	1	250.00	250.00
9999	Scaffolding etc.	LS	498.65	2.12	1057.14
9977	Carriage of materials etc.	LS	237.48	2.12	503.46

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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Sundries	LS	310.7	2.12	658.68
	LABOUR				0.00
111	Carpenter 1st class	day	28	413.00	11564.00
114	Beldar	day	23	306.00	7038.00
	TOTAL				123400.28
	Add 1% Water charges on "W"				1234.00
	TOTAL				124634.28
	Add GST on "X" (multiplying factor 0.1405)				17511.12
	TOTAL				142145.40
	Add 15% CPOH on "Y"				21321.81
	TOTAL				163467.21
	Add Cess @ 1% on "Z"				1634.67
	Cost of 100 sqm				16.35
	Cost of 1 sqm				1651.02
	Say				1651.00

26.23 Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 & 7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on inter- locking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stiched double webbed white with 6 mm reveal profile (white/black), comprising of main-T runners of size 15x42 mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross-T of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in- Charge.

26.23.1 With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles

Details of cost for 100 sqm

MATERIAL

8563	15 mm thick, light weight, integral densified micro look edged, false ceiling tiles of size 595x595 mm. Ceiling Area = 100 sqm + Add 5% wastage = 5 sqm Total = 105 sqm SILHOUETTE Profile grid frame :	sqm	105.00	725.00	76125.00
8567	Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000 mm long) including wastage @10%	each	13.50	125.00	1687.50
8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long) including wastage @10%	each	29.50	260.00	7670.00
8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long) including wastage @10%	each	147.00	105.00	15435.00
8569	Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40mm (600 mm long) including wastage @10%	each	147.00	50.00	7350.00
8588	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length	each	72.00	28.00	2016.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	72.00	15.00	1080.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8515	Galvanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	72.00	42.00	3024.00
8211	40 mm long S.S screws with plastic rawl plugs	100 nos	1.00	250.00	250.00
9999	Scaffolding etc.	L.S.	498.65	2.12	1057.14
9977	Carriage of materials etc.	L.S.	237.48	2.12	503.46
9999	Sundries	L.S.	310.70	2.12	658.68
	LABOUR				
0111	Carpenter 1st class	day	28.00	413.00	11564.00
0114	Beldar	day	23.00	306.00	7038.00
	TOTAL				135458.78
	Add 1 % Water charges				1354.59
	TOTAL				136813.37 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				19222.28
	Total				156035.65 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				23405.35
	Cost of 100 sqm.				179440.99
	Cost of 1 sqm				1794.41
	Add 1% labour cess				17.94
	rate included labour cess				1812.35
	Say				1812.40

26.24 Providing and fixing in position wall panelling at all heights with integral densified calcium silicate panels/tiles of size 595 x 595mm, having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 & 7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, comprising of a frame made from especially fabricated galvanised mild steel sheet 0.50 mm thick pressed section (galvanizing @120 grams per sqm including both sides) i.e.vertical studs of size 48 x 34 x 36 mm are placed at 600mm center to center in a floor and ceiling channel section of size 50 x 32mm fixed to the floor and soffit at 600mm centers using 12mm dia,50mm long wedge type expanded zinc alloy dash fastner with 10mm bolt. This same channel is then to be fixed in horizontal direction at 600mm center to center so as to form a grid of 600mm x 600mm. Glasswool of 50mm thickness is then to be inserted in the slots and finally calcium silicate non combustible panels/tiles are to be screw fixed with self tapping pan head nickel coated mild steel screws of size 13 x 3.2mm on to this grid leaving an even groove of 1 mm between the panels. The joints between the panels are to be duly jointed and finished using recommended jointing calcium silicate based compound and fiber joint tape roll 50mm wide (90 metre)roll and two coats of primer suitable for panelling as per manufacturer's specification as per direction of Engineer-in-Charge all complete.

26.24.1 15 mm thick fully With perforated square/butt edge

light weight calcium silicate panels/ tiles













Details of cost for 6.00 x 3.65=21.90 sqm

MATERIAL

8564	15 mm thick, light weight,fully perforated square/butt edge integral densified,false ceiling tiles of size 595x595 mm. 21.90 sqm + 1.10 sqm (Add 5% wastage) Total = 23.00 sqm	sqm	23.00	900.00	20700.00
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7367	Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 2 x 6.00 m=12m +0.60 (Add 5% wastage) = 12.60 m	metre	12.60	60.00	756.00
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7369	Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm 11 x 3.65 m = 40.15 m + 5 x 6.00 = 30.00 m Total= 70.15 m +3.51 (Add 5% wastage) Total = 73.66m	metre	73.66	70.00	5156.20
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



Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7025	Self tapping pan head nickle coated mild steel screws of size 13 x 3.2 mm	1000 Nos	0.39	480.00	188.16
7383	12 mm dia 50 mm long wedge type expanded zinc alloy dash fastner	each	19.00	7.00	133.00
7274	Glass wool 50 mm thick 21.90 +1.10 (Add 5% wastage) = 23.00 sqm	sqm	23.00	200.00	4600.00
0764	Calcium silicate base compound for jointing calcium silicate tiles 22.81/103.68 x 21.9 = 4.82 kgs	kg	4.82	26.00	125.32
7026	Fibre joint tape 50 mm wide (90 metre) roll 1.27/103.68 x 21.90 = 0.27 roll	each roll	0.27	150.00	40.50
9999	Sundries such as scaffolding, tools, bits, etc.	L.S.	130.00	2.12	275.60
9977	Carriage of materials etc. LABOUR	L.S.	52.00	2.12	110.24
0111	Carpenter 1st class 0.30x21.90=6.57 days	day	6.57	413.00	2713.41
0112	Carpenter 2nd class 0.13x21.90=2.847 days	day	2.85	369.00	1050.54
0114	Beldar 0.35x21.90=7.665 days	day	7.67	306.00	2345.49
0131	Painter	day	1.10	391.00	428.15
	TOTAL				38622.61
	Add 1 % Water charges				386.23
	TOTAL				39008.83 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				5480.74
	Total				44489.58 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				6673.44
	Cost of 21.90 sqm.				51163.01
	Cost of 1 sqm.				2336.21
	Add 1% labour cess				23.36
	rate included labour cess				2359.57
	Say				2359.60
26.25	Providing and fixing 15 mm thick false ceiling tiles at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level on the existing frame work consisting of T-sections and Lsections suitably fixed according to tile size as per direction of Engineer-in-charge.				
	Details of cost for 10 Sqm				
	MATERIAL				
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick 10 + 0.5 (Add wastage @5%) = 10.5 sqm	sqm	10.50	685.00	7192.50
9977	Carriage LABOUR	L.S.	14.95	2.12	31.69
0111	Carpenter 1st class	day	2.50	413.00	1032.50
0114	Beldar	day	2.00	306.00	612.00
9999	Scaffolding	L.S.	31.07	2.12	65.87
9999	Sundries	L.S.	31.07	2.12	65.87
	TOTAL				9000.43
	Add 1 % Water charges				90.00
	TOTAL				9090.44 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				1277.21
	Total				10367.64 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1555.15
	Cost of 10 sqm				11922.79
	Cost of 1 sqm				1192.28

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 1% labour cess				11.92
	rate included labour cess				1204.20
	Say				1204.20
26.26	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing '@ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
26.26.1	With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles.				
	Details of cost for 100 sqm				
	MATERIAL				
	Ceiling area =100 sqm Add wastage @ 5% = 5 sqm				
	Total=105.00 sqm				
8581	12 mm thick micro tegular edged semi perforated GFRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm	sqm	105.00	550.00	57750.00
8555	Galvanized iron main-T ceiling sections 15x32x0.33 mm (3000 mm long) Including wastage @ 10%	each	29.50	190.00	5605.00
8591	Galvanized iron perimeter wall angle 24x24x0.40 mm (3000 mm long) Including wastage @ 10%	each	13.50	90.00	1215.00
8556	Galvanized iron intermediate cross- T section 15x32x0.33 mm (1200 mm long) Including wastage @ 10%	each	147.00	78.00	11466.00
8587	Galvanized iron intermediate cross-T section 15x32x0.33 mm (600 mm long) Including wastage @ 10%	each	147.00	37.00	5439.00
8588	Galvanised MS hanger rod 6mm dia MS fully threaded up to 1000 mm length	each	72.00	28.00	2016.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	72.00	15.00	1080.00
8596	Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long	each	72.00	35.00	2520.00
8211	40mm SS with plastic rawl plugs	100 nos	1.00	250.00	250.00
9999	Scaffolding etc.	L.S.	498.65	2.12	1057.14
9977	Carriage of materials etc.	L.S.	237.48	2.12	503.46
9999	Sundries	L.S.	310.70	2.12	658.68
	LABOUR				
0111	Carpenter 1st class	day	28.00	413.00	11564.00
0114	Beldar	day	23.00	306.00	7038.00
	TOTAL				108162.28
	Add 1 % Water charges				1081.62








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










Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				109243.90 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				15348.77
	Total				124592.67 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				18688.90
	Cost of 100 sqm				143281.57
	Cost of 1 sqm				1432.82
	Add 1% labour cess				14.33
	rate included labour cess				1447.14
	Say				1447.10
26.26.2	With fully perforated 12 mm thick micro tegular edged or 10 mm thick square edged GRG false ceiling tiles.				
	Details of cost for 100 sqm				
	MATERIAL				
	Celling area =100 sqm Add wastage @ 5% = 5 sqm				
	Total=105.00 sqm				
8582	12 mm thick micro tegular edged fully perforated GFRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm	sqm	105.00	600.00	63000.00
8555	Galvanized iron main-T ceiling sections 15x32x0.33 mm (3000 mm long) Including wastage @ 10%	each	29.50	190.00	5605.00
8591	Galvanized iron perimeter wall angle 24x24x0.40 mm (3000 mm long) Including wastage @ 10%	each	13.50	90.00	1215.00
8556	Galvanized iron intermediate cross-T section 15x32x0.33 mm (1200 mm long) Including wastage @ 10%	each	147.00	78.00	11466.00
8587	Galvanized iron intermediate cross-T section 15x32x0.33 mm (600 mm long) Including wastage @ 10%	each	147.00	37.00	5439.00
8588	Galvanized MS hanger rod 6mm dia MS fully threaded up to 1000 mm length	each	72.00	28.00	2016.00
8619	Galvanized MS L-shape level adjuster of size 85x25x2 mm	each	72.00	15.00	1080.00
8596	Galvanized MS 8mm outer diameter M-6 dash fastener 25mm long	each	72.00	35.00	2520.00
8211	40mm long SS screws with plastic rawl plugs	100 nos	1.00	250.00	250.00
9999	Scaffolding etc.	L.S.	498.65	2.12	1057.14
9977	Carriage of materials etc.	L.S.	237.48	2.12	503.46
9999	Sundries	L.S.	310.70	2.12	658.68
	LABOUR				
0111	Carpenter 1st class	day	28.00	413.00	11564.00
0114	Beldar	day	23.00	306.00	7038.00
	TOTAL				113412.28
	Add 1 % Water charges				1134.12
	TOTAL				114546.40 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				16093.77
	Total				130640.17 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				19596.03
	Cost of 100 sqm				150236.20
	Cost of 1 sqm				1502.36
	Add 1% labour cess				15.02
	rate included labour cess				1517.39
	Say				1517.40

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.27	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance 785%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 & 7) in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size 24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge.				
26.27.1	With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.6)				
	Details of cost for 100 Sqm MATERIAL				
8552	Mineral fibre beveled tegular edged ceiling tiles 595x595 mm, 16 mm thick Area = 100 sqm + 5 sqm (Add for wastage '@5%') Total = 105 sqm	sqm	105.00	835.00	87675.00
8555	G.I. main runner 15X32mm of 3000 mm length, 0.33mm thick including 10 % wastage	each	29.50	190.00	5605.00
8556	G.I. cross Tee 15X32mm of 1200mm length 0.33mm thick including 10 % wastage	each	147.00	78.00	11466.00
8557	G.I. cross Tee 15X32mm of 600mm length, 0.33 mm thick including 10 % wastage	each	147.00	37.00	5439.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) including 10 % wastage	each	13.50	90.00	1215.00
8558	Galvanised Iron hanger rod 6mm dia fully threaded upto 1000mm length	each	72.00	28.00	2016.00
8619	Galvanised MS L-shape level adjuster of size 85x25x2 mm	each	72.00	15.00	1080.00
8515	Galvanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	72.00	42.00	3024.00
8211	40 mm long S.S screws with plastic rawl plugs	100 nos	1.00	250.00	250.00
9999	Sundries i.e. scaffolding etc	L.S.	187.95	2.12	398.45
9977	Carriage of material etc.	L.S.	89.35	2.12	189.42
	LABOUR				0.00
0111	Carpenter 1st class	day	28.00	413.00	11564.00
0114	Beldar	day	23.00	306.00	7038.00
	TOTAL				136959.88
	Add 1 % Water charges				1369.60
	TOTAL				138329.47 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				19435.29
	Total				157764.77 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				23664.71
	Cost of 100 sqm				181429.48
	Cost of 1 sqm				1814.29
	Add 1% labour cess				18.14
	rate included labour cess				1832.44
	Say				1832.40













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.27.2	With 20 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.7)				
	Details of cost for 100 Sqm				
	MATERIAL				
8554	Mineral fibre beveled tegular edged ceiling tiles 595x595mm, 20 mm thick Area = 100 sqm + 5 sqm (Add for wastage @5%) Total = 105 sqm	sqm	105.00	1045.00	109725.00
8555	G.I. main runner 15X32mm of 3000 mm length, 0.33mm thick including 10 % wastage	each	29.50	190.00	5605.00
8556	G.I. cross Tee 15X32mm of 1200mm length 0.33mm thick including 10 % wastage	each	147.00	78.00	11466.00
8587	G.I. cross Tee 15X32mm of 600mm length, 0.33 mm thick including 10 % wastage	each	147.00	37.00	5439.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) including 10 % wastage	each	13.50	90.00	1215.00
8558	Galvanised Iron hanger rod 6mm dia fully threaded upto 1000mm length	each	72.00	28.00	2016.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	72.00	15.00	1080.00
8596	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	72.00	35.00	2520.00
8211	40 mm long S.S screws with plastic rawl plugs	100 nos	1.00	250.00	250.00
9999	Sundries i.e. scaffolding etc	L.S.	187.95	2.12	398.45
9977	Carriage of material etc.	L.S.	89.35	2.12	189.42
	LABOUR				
0111	Carpenter 1st class	day	28.00	413.00	11564.00
0114	Beldar	day	23.00	306.00	7038.00
	TOTAL				158505.88
	Add 1 % Water charges				1585.06
	TOTAL				160090.93 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				22492.78
	Total				182583.71 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				27387.56
	Cost of 100 sqm				209971.27
	Cost of 1 sqm				2099.71
	Add 1% labour cess				21.00
	rate included labour cess				2120.71
	Say				2120.70
26.27.3	With 16 mm thick beveled tegular mineral fibre Anti-microbial false ceiling tile confirming to ISO 5 (class 100) specifications				
	Details of cost for 100 Sqm				
	MATERIAL				
8553	Mineral fibre beveled tegular edged ceiling tiles 595x595 mm, 16 mm thick with bioblock, confirming to ISO 5 (class 100) specifications Area = 100 sqm + 5 sqm (Add for wastage @5%) Total = 105 sqm	sqm	105.00	925.00	97125.00
8555	G.I. main runner 15X32mm of 3000 mm length, 0.33mm thick including 10 % wastage	each	29.50	190.00	5605.00
8556	G.I. cross Tee 15X32mm of 1200mm length 0.33mm thick including 10 % wastage	each	147.00	78.00	11466.00
8557	G.I. cross Tee 15X32mm of 600mm length, 0.33 mm thick including 10 % wastage	each	147.00	37.00	5439.00
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) including 10 % wastage	each	13.50	90.00	1215.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8558	Galvanised Iron hanger rod 6mm dia fully threaded upto 1000mm length	each	72.00	28.00	2016.00
8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm	each	72.00	15.00	1080.00
8596	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long	each	72.00	35.00	2520.00
8211	40 mm long S.S screws with plastic rawl plugs	100 nos	1.00	250.00	250.00
9999	Sundries i.e. scaffolding etc	L.S.	187.95	2.12	398.45
9977	Carriage of material etc. LABOUR	L.S.	89.35	2.12	189.42
0111	Carpenter 1st class	day	28.00	413.00	11564.00
0114	Beldar	day	23.00	306.00	7038.00
	TOTAL				145905.88
	Add 1 % Water charges				1459.06
	TOTAL				147364.93 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				20704.77
	Total				168069.71 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				25210.46
	Cost of 100 sqm				193280.16
	Cost of 1 sqm				1932.80
	Add 1% labour cess				19.33
	rate included labour cess				1952.13
	Say				1952.10
26.28	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
26.28.1	75mm average thickness				
	Details of cost for One Sqm 75mm average thickness for beams				
9999	MACHINERY				
	Hire charges for HILTY-TE 504 Pneumatic Chisel	L.S.	5.60	2.12	11.87
	LABOUR				
0157	Machine Operator	day	0.20	520.00	104.00
0114	Beldar	day	0.10	306.00	30.60
	TOTAL				146.47
	Add 1 % Water charges				1.46
	TOTAL				147.94 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				20.79
	Total				168.72 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				25.31
	Cost of 1.0 sqm				194.03
	Add 1% labour cess				1.94
	rate included labour cess				195.97
	Say				196.00
26.28.2	50mm average thickness				
	Details of cost for One Sqm 50mm average thickness for beams				
	MACHINERY				
9999	Hire charges for HILTY-TE 504 Pneumatic Chisel	L.S.	3.74	2.12	7.93
	LABOUR				0.00
0157	Machine Operator	day	0.13	520.00	67.60
0114	Beldar	day	0.07	306.00	21.42
	TOTAL				96.95













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 1 % Water charges				0.97
	TOTAL				97.92 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				13.76
	Total				111.68 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				16.75
	Cost of 1.0 sqm				128.43
	Add 1% labour cess				1.28
	rate included labour cess				129.71
	Say				129.70
26.28.3	25 mm average thickness				
	Details of cost for One Sqm				
	25mm average thickness for beams				
	MACHINERY				
9999	Hire charges for HILTY-TE 504 Pneumatic Chisel	L.S.	1.87	2.12	3.96
	LABOUR				
0157	Machine Operator	day	0.07	520.00	36.40
0114	Beldar	day	0.03	306.00	9.18
	TOTAL				49.54
	Add 1 % Water charges				0.50
	TOTAL				50.04 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				7.03
	Total				57.07 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				8.56
	Cost of 1.0 sqm				65.63
	Add 1% labour cess				0.66
	rate included labour cess				66.29
	Say				66.30
26.29	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.				
26.29.1	Bars upto 12 mm diameter				
	Detail of cost for 3.00 sqm (95.54 meter length of 10 mm dia bar) Bars upto 12 mm diameter (1 litre chemical shall cover 3.00 sqm area of bars)				
	MATERIALS				
7911	Chemical Rust Remover	litre	1.00	245.00	245.00
	LABOUR				
	(Application charges for 3.0 sqm)				
0131	Painter	day	0.16	391.00	63.34
0115	Coolie	day	0.16	318.00	51.52
9999	Putty, brush, sand paper	L.S.	3.16	2.12	6.70
9999	Sundries	L.S.	1.98	2.12	4.20
	TOTAL				370.76
	Add 1 % Water charges				3.71
	TOTAL				374.47 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				52.61
	Total				427.08 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				64.06
	Cost of 3 sqm (95.54 of 10 mm dia bar)				491.14
	Rate per meter length of bar				5.14
	Add 1% labour cess				0.05
	rate included labour cess				5.19
	Say				5.20

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.29.2	Bars above 12 mm diameter Detail of cost for 3.00 sqm (47.78 meter length of 20 mm dia bar) Bars above 12 mm diameter (1 litre chemical shall cover 3.00 sqm area of bars) MATERIALS				
7911	Chemical Rust Remover LABOUR (Application charges for 3.0 sqm)	litre	1.00	245.00	245.00
0131	Painter	day	0.16	391.00	63.34
0115	Coolie	day	0.16	318.00	51.52
9999	Putty, brush, sand paper	L.S.	3.16	2.12	6.70
9999	Sundries	L.S.	1.98	2.12	4.20
	TOTAL				370.76
	Add 1 % Water charges				3.71
	TOTAL				374.47 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				52.61
	Total				427.08 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				64.06
	Cost of 3.00 sqm (47.78m length of 20 mm dia bar)				491.14
	Rate per meter length of bar				10.28
	Add 1% labour cess				0.10
	rate included labour cess				10.38
	Say				10.40
26.30	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge.				
26.30.1	Upto and including 12mm dia. Details of cost for 10 holes MATERIAL				
	Epoxy				
7913	Approx unit Weight of Epoxy= 2000kg/cum or 2gm/cucm Volume of Epoxy filled = $3.14/4[(1.5)^2 - (1.2)^2] \times 15.5\text{cm} = 9.86\text{cucm}$ Weight of Epoxy for 10 holes= $10 \times 9.86 \times 2 = 197.20\text{gms}$ say 200gms = 0.2 kg	kg	0.20	585.00	117.00
	MACHINERY				
0088	Hire charges of Drill machine upto 30 mm dia	day	0.50	160.00	80.00
	LABOUR				
0116	Fitter (grade 1)	day	0.50	420.00	210.00
0114	Beldar	day	0.50	306.00	153.00
	TOTAL				560.00
	Add 1 % Water charges				5.60
	TOTAL				565.60 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				79.47
	Total				645.07 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				96.76
	Rate for 10 holes				741.83
	Rate for one hole				74.18
	Add 1% labour cess				0.74
	rate included labour cess				74.92
	Say				74.90
26.30.2	Upto and including 20mm dia. Details of cost for 10 holes MATERIAL				
	Epoxy				
				27.38	547.54













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7913	Approx unit Weight of Epoxy= 2000kg/cum or 2gm/cucm Volume of Epoxy filled = $3.14/4[(2.5)^2 - (2.0)^2] \times 15.5\text{cm} = 27.38\text{cucm}$ Weight of Epoxy for 10 holes= $10 \times 27.38 \times 2 = 547.54$ gms say 550gms = 0.55kg MACHINERY	kg	0.55	585.00	321.75
0088	Hire charges of Drill machine upto 30 mm dia LABOUR	day	0.50	160.00	80.00
0116	Fitter (grade 1)	day	0.50	420.00	210.00
0114	Beldar	day	0.50	306.00	153.00
	TOTAL				764.75
	Add 1 % Water charges				7.65
	TOTAL				772.40 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				108.52
	Total				880.92 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				132.14
	Rate for 10 holes				1013.06
	Rate for one hole				101.31
	Add 1% labour cess				1.01
	rate included labour cess				102.32
	Say				102.30
26.31	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.				
26.31.1	SBR Polymer (@10% of cement weight) modified cementitious bond coat @2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer				
	Details of Cost for 10.00 Sqm bonding coat				
	MATERIAL				
0367	Portland slag Cement (OPC-43 grade)	tonne	0.02	4408.00	96.98
7914	SBR Polymer @ 10% of cement weight= $22.00\text{kg} \times 10\%$ =2.2 kg	kg	2.20	175.00	385.00
	LABOUR				0.00
0155	Mason (average)	day	0.27	369.00	99.63
0115	Coolie	day	0.27	318.00	85.86
9999	Scaffolding and sundries ($8.06/2=4.03$)	L.S.	4.03	2.12	8.54
	TOTAL				676.01
	Add 1 % Water charges				6.76
	TOTAL				682.77 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				95.93
	Total				778.70 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				116.80
	Cost for 10.00 sqm				895.50
	Rate per sqm				89.55
	Add 1% labour cess				0.90
	rate included labour cess				90.45
	Say				90.40
26.31.2	Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make				
	Details of Cost for 2.20 Sqm				
7913	Epoxy	kg	1.00	585.00	585.00
9999	Application charge for applying bonding coat of Epoxy	L.S.	18.50	2.12	39.22
9999	Cost of brushes etc.	L.S.	8.40	2.12	17.81
	TOTAL				642.03
	Add 1 % Water charges				6.42
	TOTAL				648.45 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				91.11
	Total				739.56 (Y)

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 15 % Contractor's profit and overheads on "Y"				110.93
	Cost for 2.20 sqm				850.49
	Rate per sqm				386.59
	Add 1% labour cess				3.87
	rate included labour cess				390.45
	Say				390.50
26.32	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).				
26.32.1	12 mm average thickness.				
	Details of Cost for 10 Sqm				
	MATERIAL				
	Cement mortar 1:4 (1 cement : 4 coarse sand) = 0.144 Cum				
3.9	Rate as per Item No.3.9 of SH:MORTARS	cum	0.14	2848.95	410.25
7914	SBR Polymer Qty of cement in mortar= 0.144x0.38 = 0.055 MT or 55kg @ 2% of weight of cement 55kgx2%=1.10 kg	kg	1.10	175.00	192.50
	LABOUR				
0155	Mason (average)	day	0.67	369.00	247.23
0115	Coolie	day	0.75	318.00	238.50
0101	Bhisti	day	0.92	332.00	305.44
9999	Scaffolding and sundries	L.S.	12.61	2.12	26.73
	TOTAL				1420.65
	Add 1 % Water charges				14.21
	TOTAL				1434.86 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				201.60
	Total				1636.46 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				245.47
	Cost for 10 sqm				1881.93
	Rate per sqm				188.19
	Add 1% labour cess				1.88
	rate included labour cess				190.07
	Say				190.10
26.32.2	25 mm average thickness in 2 layers.				
	Details of Cost for 10 Sqm				
	MATERIAL				
	Cement mortar 1:4 (1 cement : 4 coarse sand) = (0.144/12)x25=0.30 Cum				
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.30	2848.95	854.69
7914	SBR Polymer Cement 0.30x0.38 = 0.114 MT OR 114 kg @ 2% of weight of cement 114kgx2% =2.28kg	kg	2.28	175.00	399.00
	LABOUR				
0155	Mason (average)	day	0.94	369.00	346.86
0115	Coolie	day	1.02	318.00	324.36
0101	Bhisti	day	1.01	332.00	335.32
9999	Scaffolding and sundries	L.S.	12.61	2.12	26.73
	TOTAL				2286.96
	Add 1 % Water charges				22.87


Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				2309.83 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				324.53
	Total				2634.36 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				395.15
	Cost for 10 sqm				3029.51
	Rate per sqm				302.95
	Add 1% labour cess				3.03
	rate included labour cess				305.98
	Say				306.00
26.32.3	50 mm average thickness in 3 layers.				
	Details of Cost for 10 Sqm				
	MATERIAL				
	Cement mortar 1:4 (1 cement : 4 coarse sand)				
	0.144/12)x50= 0.60 Cum				
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.60	2848.95	1709.37
7914	SBR Polymer	kg	4.56	175.00	798.00
	Cement 0.60x0.38 = 0.228 MT OR 228 kg 2% of weight of cement 228kgx2% =4.56 kg				
	LABOUR				
0155	Mason (average)	day	1.88	369.00	693.72
0115	Coolie	day	2.04	318.00	648.72
0101	Bhisti	day	2.02	332.00	670.64
9999	Scaffolding and sundries	L.S.	25.22	2.12	53.47
	TOTAL				4573.92
	Add 1 % Water charges				45.74
	TOTAL				4619.66 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				649.06
	Total				5268.72 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				790.31
	Cost for 10 sqm				6059.03
	Rate per sqm				605.90
	Add 1% labour cess				6.06
	rate included labour cess				611.96
	Say				612.00
26.33	Providing, mixing and applying SBR polymer (of approved make @ minimum 2% by wt. of cement used) modified plain/reinforced cement concrete for structural members having minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness. Note: Rates shall be for finished surface area of concrete and shall include the cost of labour, concrete and appropriate approved Super-Plasticiser for rendering concrete as flowable and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument)				
26.33.1	50mm thick in Grade M 25 with cement content not less than 330 kg per cum				
	Detail of cost for 10 sqm area (0.5cum)				
	M25 concrete 0.5 cum of concrete@ 330 kg/cum				
5.33.2.1	Rate as per Item No.5.33.2.1 of SH: Reinforced Cement Concrete	cum	0.50	5863.23	2931.62 (A)
	Deduction of pumping charges				
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	-0.50	210.00	-105.00
7914	SBR Polymer @2% of cement 165 kg = 165X2% = 3.3 kg	kg	3.30	175.00	577.50










Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				3404.12
	Add 1 % Water charges except(A) i.e on (3404.12-2931.62=)				4.73
	TOTAL				3408.84 (X)
	Add GST 12% on X except A (multiplying factor =0.1405)(3409-2931.62)				67.05
	Total				3475.89 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (3475.89-2931.62)				81.64
	Cost of 10 sqm				3557.53
	Cost of 1 sqm				355.75
	Add 1% labour cess				3.56
	rate included labour cess				359.31
	Say				359.30
26.33.2	75mm thick in Grade M 25 with cement content not less than 330 kg per cum				
	Detail of cost for 10 sqm area (0.75cum)				
	M25 concrete 0.75 cum of concrete@ 330 kg/cum				
5.33.2.1	Rate as per Item No.5.33.2.1 of SH: Reinforced Cement Concrete Deduction of pumping charge	cum	0.75	5863.23	4397.42 (A)
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	-0.75	210.00	-157.50
7914	SBR Polymer '@2% of cement 247.50 kg = 247.50X2% '= 4.95 kg	kg	4.95	175.00	866.25
	Total				5106.17
	Add 1 % Water charges except(A) i.e on (5106.17435326009-4397.42435326009=)				7.09
	TOTAL				5113.26 (X)
	Add GST 12% on X except A (multiplying factor =0.1405)(5113.26185326009-4397.42435326009)				100.58
	Total				5213.84 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (5213.83702201009-4397.42435326009)				122.46
	Cost of 10 sqm				5336.30
	Cost of 1 sqm				533.63
	Add 1% labour cess				5.34
	rate included labour cess				538.97
	Say				539.00
26.34	Providing and laying SBR Polymer modified (of approved make @ minimum 2% by wt. of cement used) plain/reinforced concrete jacket for the structural members e.g. columns, pillars, piers, beams etc with concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness all-round existing core of RCC member.Note: Rates shall be for finished surface area of concrete and shall include the cost of making holes in existing RCC slab, if required, for pouring concrete in shuttering mould of jacket and appropriate approved Super-Plasticiser for rendering concrete as flowable self compacting and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument				
26.34.1	50mm thick in Grade M 25 with cement content not less than 330 kg per cum				
	Detail of cost for 10 sqm area (0.5cum) M25 concrete				
	0.5 cum of concrete with cement content 330 kg/cum				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.33.2.1	Rate as per Item No.5.33.2.1 of SH: Reinforced Cement Concrete	cum	0.50	5863.23	2931.62 (A)
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	-0.50	210.00	-105.00
7914	SBR Polymer @2% of cement 165 kg = 165X2% = 3.3 kg	kg	3.30	175.00	577.50
	TOTAL				3404.12
	Add 1 % Water charges except(A) i.e on (3404.11623550672-2931.61623550672=)				4.73
	TOTAL				3408.84 (X)
	Add GST 12% on X except A (multiplying factor =0.1405)(3408.84123550672-2931.61623550672)				67.05
	Total				3475.89 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (3475.89134800672-2931.61623550672)				81.64
	Cost of 10 sqm				3557.53
	Cost of 1 sqm				355.75
	Add 1% labour cess				3.56
	rate included labour cess				359.31
	Say				359.30
26.34.2	75mm thick in Grade M 25 with cement content not less than 330 kg per cum				
	Detail of cost for 10 sqm area (0.75cum)				
	M25 concrete 0.75 cum of concrete with cement content 330 kg/cum				
5.33.2.1	Rate as per Item No.5.33.2.1 of SH: Reinforced Cement Concrete	cum	0.75	5863.23	4397.42 (A)
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	-0.75	210.00	-157.50
7914	SBR Polymer @2% of cement 247.50 kg = 247.50X2%	kg	4.95	175.00	866.25
	TOTAL				5106.17
	Add 1 % Water charges except(A) i.e on (5106.17435326009-4397.42435326009=)				7.09
	TOTAL				5113.26 (X)
	Add GST 12% on X except A (multiplying factor =0.1405)(5113.26185326009-4397.42435326009)				100.58
	Total				5213.84 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (5213.83702201009-4397.42435326009)				122.46
	Cost of 10 sqm				5336.30
	Cost of 1 sqm				533.63
	Add 1% labour cess				5.34
	rate included labour cess				538.97
	Say				539.00
26.34.3	100mm thick in Grade M 25 with cement content not less than 330 kg per cum				
	Detail of cost for 10 sqm area (1.00 cum)				
	M25 concrete 1.00 cum of concrete with cement content 330 kg/cum				
5.33.2.1	Rate as per Item No.5.33.2.1 of SH: Reinforced Cement Concrete	cum	1.00	5863.23	5863.23 (A)
0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	-1.00	210.00	-210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7914	SBR Polymer @2% of cement 330 kg = 330X2% = 6.6 kg	kg	6.60	175.00	1155.00
	TOTAL				6808.23
	Add 1 % Water charges except(A) i.e on (6808.23247101345-5863.23247101345=)				68.08
	TOTAL				6876.31 (X)
	Add GST 12% on X except A (multiplying factor =0.1405)(6876.31479572358-5863.23247101345)				142.34
	Total				7018.65 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (7018.65286234536-5863.23247101345)				173.31
	Cost of 10 sqm				7191.97
	Cost of 1 sqm				719.20
	Add 1% labour cess				7.19
	rate included labour cess				726.39
	Say				726.40
26.35	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge. (The payment shall be made on the basis of actual weight of approved grout injected.)				
26.35.1	Stirrer mixed Acrylic Polymer of approved make @ 2% of weight of cement used) modified Cement slurry made with non shrink compound in concrete/ RCC work				
	Detail of cost for 100 kg Acrylic polymer mixed cement grout				
	MATERIAL				
7927	Acrylic Polymer chemical for cracks Considering 1 kg of cement grout mixed with non shrink polymer compound with cement @ 2% of cement	kg	2.00	31.00	62.00
367	Portland Cement (OPC-43 grade)	tonne	0.10	4408.00	440.80
9977	Carriage of materials	L.S.	1.00	2.12	2.12
9999	Injecting charges of Stirrer mixed polymer grout Gun, rubber, pipe and other accessories hire charges of plant, machinery including necessary fuel and transportation of site	L.S.	2250.00	2.12	4770.00
	LABOUR				
0122	Foreman	day	1.00	413.00	413.00
0157	Nozzleman	day	1.00	520.00	520.00
0157	Pump Operator	day	1.00	520.00	520.00
	TOTAL				6727.92
	Add 1 % Water charges				67.28
	TOTAL				6795.20 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				954.73
	Total				7749.92 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1162.49
	Cost of 100 kg				8912.41
	Cost of 1 kg				89.12
	Add 1% labour cess				0.89
	rate included labour cess				90.02
	Say				90.00
26.35.2	Stirrer mixed SBR Polymer (of approved make) modified Cement slurry made with Shrinkage Compensating Cement in concrete/RCC work.				
	Detail of cost for 100 kg of SBR polymer mixed cement grout				
	MATERIAL				



Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7914	SBR Polymer for crack	kg	2.00	175.00	350.00
367	Portland Cement (OPC-43 grade)	tonne	0.10	4408.00	440.80
9977	Carriage of materials	L.S.	1.00	2.12	2.12
9999	Injecting charges of Stirrer mixed polymer grout Gun, rubber, pipe and other accessories hire charges of plant, machinery including necessary fuel and transportation of site Rs 4000/- per day including plant shall be used of doing approximate 50 sqm Hence cost per sqm (4000/50 = 80)	L.S.	2250.00	2.12	4770.00
	LABOUR				
0122	Foreman	day	1.00	413.00	413.00
0157	Nozzle Operator	day	1.00	520.00	520.00
0157	Pump Operator	day	1.00	520.00	520.00
	TOTAL				7015.92
	Add 1 % Water charges				70.16
	TOTAL				7086.08 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				995.59
	Total				8081.67 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1212.25
	Cost of 100 kg				9293.92
	Cost of 1 kg				92.94
	Add 1% labour cess				0.93
	rate included labour cess				93.87
	Say				93.90
26.35.3	Epoxy injection grout in concrete/RCC work of approved make				
	Details of cost for 10kg Epoxy grout				
	MATERIAL				
7913	Epoxy	kg	10.00	585.00	5850.00
92	Hire charges of Plant and machinery, it can inject - 350kg/day	day	0.03	200.00	6.00
	LABOUR				
114	Beldar	day	0.06	306.00	18.36
157	Nozzle Operator	day	0.03	520.00	15.60
9999	Sundries (gloves goggles etc.)	L.S.	5.00	2.12	10.60
	TOTAL				5900.56
	Add 1 % Water charges				59.01
	TOTAL				5959.57 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				837.32
	Total				6796.88 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1019.53
	Cost of 10 kg				7816.42
	Cost of 1 kg				781.64
	Add 1% labour cess				7.82
	rate included labour cess				789.46
	Say				789.50
26.36	Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by the Engineer- in-charge.				
26.36.1	Wooven PVC cloth				
	Details of cost for 10 sqm				
	MATERIAL				
7915	Wooven PVC cloth	sqm	10.00	25.00	250.00
9999	Fixing double scaffolding outside	L.S.	11.00	2.12	23.32
	Total Material				273.32
	LABOUR				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	For fixing and removal after complete of work @25%				68.33
	TOTAL				341.65
	Add 1 % Water charges				3.42
	TOTAL				345.07 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				48.48
	Total				393.55 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				59.03
	Rate for 10 sqm				452.58
	Rate for 1 sqm				45.26
	Add 1% labour cess				0.45
	rate included labour cess				45.71
	Say				45.70
26.37	Cleaning of exposed concrete surface of sticking material including loose and foreign material by sand blasting with coarse sand followed by and including cleaning with oil free air blast as per direction of Engineer in charge.				
	Details of cost for 10 Sqm				
	Machinery				
89	Hire charges of sand blasting equipment (14 sqm per day)	day	0.70	400.00	280.00
90	Hire charges of compressor				
	Material	day	0.70	500.00	350.00
982	Coarse sand (zone III)	cum	1.00	175.80	175.80
	LABOUR				
114	Beldar	day	0.70	306.00	214.20
9999	Sundries	L.S.	10.00	2.12	21.20
	TOTAL				1041.20
	Add 1 % Water charges				10.41
	TOTAL				1051.61 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				147.75
	Total				1199.36 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				179.90
	Cost of 10 sqm				1379.27
	Cost of 1 sqm				137.93
	Add 1% labour cess				1.38
	rate included labour cess				139.31
	Say				139.30
26.38.	Shotcreting R.C.C. columns, beams and slabs etc. in layers with approved design mix concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10 mm maximum size in proportion as per design criteria] including the cost of centering and shuttering at edges and corners etc. as directed by Engineer- in-Charge.				
	Note: Rates shall include the providing necessary ground wires etc. The levelling gauges, if used, shall be paid for separately. Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument.				
26.38.1	25mm thick in Grade M 25 with cement content not less than 330 kg per cum				
	Detail of cost for 10 sqm				
	M25 concrete 0.5 cum of concrete@ Cubical qty of concrete for 10 sqm = $10 \times 1.00 \times 0.025 = 0.25$ cum				
	Wastage 25%, = $0.25 \times 25 / 100 = 0.0625$ cum				
	Total = 0.3125 cum				
5.33.2.1	Rate as per Item No.5.33.2.1 of SH: Reinforced Cement Concrete Machinery	cum	0.31	5863.23	1832.26 (A)










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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
86	Compressor, gun, rubber pipes & other accessories-hire charge of plant & machinery i/c necessary fuel (approx. 40 sqm area of shotcrete per day)	day	0.25	4000.00	1000.00
	Labour				
157	Operator (Pile/ Special machine)	day	0.40	520.00	208.00
154	Nozzel man/ gun man	day	0.40	520.00	208.00
124	Mason (brick layer) 2nd class	day	0.40	369.00	147.60
161	Helper (Technician)	day	0.80	306.00	244.80
101	Bhisti	day	0.40	332.00	132.80
	TOTAL				3773.46
	Add 1 % Water charges except(A) i.e on (3773.4601471917-1832.2601471917=)				19.41
	TOTAL				3792.87 (X)
	Add GST 12% on X except A (multiplying factor =0.1405)(3792.8721471917-1832.2601471917)				275.47
	Total				4068.34 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (4068.3381331917-1832.2601471917)				335.41
	Cost of 10 sqm				4403.75
	Cost of 1 sqm				440.37
	Add 1% labour cess				4.40
	rate included labour cess				444.78
	Say				444.80
26.38.2	50mm thick in Grade M 25 with cement content not less than 330 kg per cum				
	Detail of cost for 10 sqm				
	M25 concrete 0.5 cum of concrete@ 330 kg/cum				
	Cubical qty of concrete for 10 sqm = 10x1.00x0.050 =				
	0.50 cum Wastage 25%, = 0.50x25/100=0.125 cum				
	Total=0.625 cum				
5.33.2	Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete Machinery	cum	0.63	5863.23	3664.52 (A)
86	Compressor, gun, rubber pipes & other accessories-hire charge of plant & machinery i/c necessary fuel (approx. 25 sqm area of shotcrete per day = 10/25 = 0.4 day)	day	0.40	4000.00	1600.00
	Labour				0.00
157	Operator (Pile/ Special machine)	day	0.40	520.00	208.00
154	Nozzel man/ gun man	day	0.40	520.00	208.00
124	Mason (brick layer) 2nd class	day	0.40	369.00	147.60
161	Helper (Technician)	day	0.80	306.00	244.80
101	Bhisti	day	0.40	332.00	132.80
	TOTAL				6205.72
	Add 1 % Water charges except(A) i.e on (6205.72029438341-3664.52029438341)				25.41
	TOTAL				6231.13 (X)
	Add GST 12% on X except A (multiplying factor =0.1405)(6231.13229438341-3664.52029438341)				360.61
	Total				6591.74 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (6591.74128038341-3664.52029438341)				439.08
	Cost of 10 sqm				7030.82
	Cost of 1 sqm				703.08
	Add 1% labour cess				4.39

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	rate included labour cess				707.47
	Say				707.50
26.38.3	75mm thick in Grade M 25 with cement content not less than 330 kg per cum				
	Detail of cost for 10 sqm				
	M25 concrete 0.5 cum of concrete @ 330 kg/cum				
	Cubical qty of concrete for 10 sqm = $10 \times 1.00 \times 0.025$				
	= 0.25 cum Wastage 25%, = $0.25 \times 25 / 100 = 0.0625$				
	cum Total = 0.3125 cum				
5.33.2	Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete	cum	0.94	5863.23	5496.78 (A)
0086	Machinery				
	Compressor, gun, rubber pipes & other accessories-hire charge of plant & machinery i/c necessary fuel (approx. 15 sqm area of shotcrete per day = $10/15 = 0.665$ day)	day	0.67	4000.00	2660.00
	Labour				
0157	Operator (Pile/ Special machine)	day	0.40	520.00	208.00
0154	Nozzel man/ gun man	day	0.40	520.00	208.00
0124	Mason (brick layer) 2nd class	day	0.40	369.00	147.60
0161	Helper (Technician)	day	0.80	306.00	244.80
0101	Bhisti	day	0.40	332.00	132.80
	TOTAL				9097.98
	Add 1 % Water charges except(A) i.e on (9097.98044157511-5496.78044157511)				36.01
	TOTAL				9133.99 (X)
	Add GST 12% on X except A (multiplying factor = 0.1405)(9133.99244157511-5496.78044157511)				511.03
	Total				9645.02 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (9645.02072757511-5496.78044157511)				622.24
	Cost of 10 sqm				10267.26
	Cost of 1 sqm				1026.73
	Add 1% labour cess				10.27
	rate included labour cess				1036.99
	Say				1037.00
26.39	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge				
	Details of cost for 20.00 Nos Hole				
	MATERIAL				
7921	Adhesive chemical (750 mm deep & 20 mm Dia Hole)	ml	188.00	2.00	376.00
	Volume of hole = $20 \times (3.14/4) \times 2.00 \times 7.5 = 471$ cub cm. Adhesive @ 40% of 471 ml = 188.40 ml, Say 188 ml				
7922	Bit of drilling machine for Hole upto 30mm dia (One Bit done 20 Holes only)	each	1.00	500.00	500.00
7923	GI injection nipple 12mm dia, 75mm long	each	20.00	45.00	900.00
7924	Blowing compressed air for cleaning holes upto 30mm dia	each	20.00	10.00	200.00
	LABOUR				
0155	Mason (average)	day	0.50	369.00	184.50
0115	Coolie	day	0.50	318.00	159.00








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














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










Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0101	Bhisti	day	0.50	332.00	166.00
	TOTAL				2485.50
	Add 1 % Water charges				24.86
	TOTAL				2510.36 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				352.70
	Total				2863.06 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				429.46
	Cost of 20 Nos hole				3292.52
	Cost of 1 hole				164.63
	Add 1% labour cess				1.65
	rate included labour cess				166.27
	Say				166.30
26.40	Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & plants as approved by Engineer-in-charge.				
	Details of cost for 10.00 sqm (i.e 77.50 kg.)				
	MATERIAL				
7925	L shaped 100mm long, 10mm dia mild steel shear key	kg	1.55	80.00	124.00
	key to be provided at 0.5 mtr centre to centre in each direction Total no. of Shear key of MS Bar in 10sqm = 25 nos 25x0.10x0.617=1.55 kg				
0091	Welding charges of shear key to existing reinforcement	each	25.00	5.00	125.00
1021	Hard drawn steel wire fabric 75x25mm, weight 7.75kg/sqm 75x25 mm = 10.00 sqm + Add 5% wastage = 0.50 sqm Total = 10.50 sqm	sqm	10.50	430.00	4515.00
9977	Carriage at site	L.S.	5.61	2.12	11.89
	LABOUR				
0103	Blacksmith 2nd class	day	1.00	369.00	369.00
0114	Beldar	day	1.00	306.00	306.00
	TOTAL				5450.89
	Add 1 % Water charges				54.51
	TOTAL				5505.40 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				773.51
	Total				6278.91 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				941.84
	Cost of 10 sqm				7220.75
	Cost of 1 sqm				722.07
	Add 1% labour cess				7.22
	rate included labour cess				729.30
	Say				729.30
26.41	Designing, providing, installing and fixing factory finished custom designed cold form Light Gauge Steel Framed super structure comprising of steel wall panel, trusses, purlins etc manufactured out of minimum 0.75 mm thick steel sheet as per design requirements. The steel sheet shall be galvanized (AZ-150 gms Aluminum Zinc Alloy coated steel having minimum yield strength 300- 550 Mpa) conforming to AISI specifications and IBC 2009 for cold formed steel framing and construction and also as per IS: 875-1987, ISO 800-1984 and IS: 801- 1975. The wind load shall be as per provisions of IS 875 (part -III). LGSFS frame shall be designed as per IS: 801 using commercially available software such as Frame CAD Pro-11.7/ STAAD PRO-V8i/ArchitekV2.5.16/ Revit architecture-2011 or equivalent. Proper usage of Connection Accessories like Heavy Duty Tension Ties, Light Duty Hold-ons, Twist Straps (to connect truss with wall frames), Strong Tie, Tie Rod, H-Brackets, Boxing Sections, L-Shaped Angles for better structural stability. The framing section shall be cold form C-type having minimum web depth 89 mm x 39mm flange x 11mm lip in required length as per structural design requirement duly				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	punched with dimple/slot at required locations as per approved drawings. The slots will be along centre line of webs and shall be spaced minimum 250mm away from both ends of the member. The frame can be supplied in panelized or knock down condition in specific dimensions and fastened with screws extending through the steel beyond by minimum of three exposed threads. All self drilling tapping screws for joining the members shall have a Type II coating in accordance with ASTM B633(13) or equivalent corrosion protection of gauge 10 & 12, TPI 16 & 8 of length 20mm. The frames shall be fixed to RCC slab or Tie beam over Neoprene rubber using self expanding carbon steel anchor bolt of dia as per approved drawings. design subject to minimum 12mm diameter and 121mm length conforming to AISI 304 and 316 at 500mm c/c with minimum embedment of 100mm in RCC (RCC to be paid separately) and located not more than 300mm from corners or termination of bottom tracks complete in all respects. The item also includes the submission of stability reports duly examined and issued by any NIT/IIT. The rate includes the				
	Details of cost for 1.00 Kg MATERIAL				
8579	Cold form light gauge Steel C-section of thickness 0.75mm i/c zink coating/slitting etc. = 1.00 + 0.05 (Add for wastage @5%) = 1.05 kg	kg	1.05	140.00	147.00
9977	Carriage Deduct for Scrap value wastage of cold form light gauge steel	L.S.	1.69	2.12	3.57
8580	Labour for assembling/ fixing etc	kg	-0.05	18.00	-0.90
103	Blacksmith 2nd class	day	0.01	369.00	3.69
114	Belder	day	0.03	306.00	9.18
	TOTAL				162.54
	Add 1 % Water charges				1.63
	TOTAL				164.17 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				23.07
	Total				187.23 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				28.08
	Cost for 1.00 kg				215.32
	Add 1% labour cess				2.15
	Total				217.47
	Say		Per Kg		217.50
26.42	Providing and fixing of external wall system on Light gauge steel frame work with outer face cement boards as per standard sizes fixed with self- drilling/ tapping rews/ fasteners @ 60cm c/c of approved make.A groove of 2mm to3mm shall be maintained and grooves shall be sealed with silicon based sealant.The board shall be fixed in a staggered pattern. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm and. Internal face 12.5 mm thick gypsum plaster board fixed on cement board as per standard sizes fixed with self- drilling/ tapping screws/ fasteners @ 60cm c/c of approved make, proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cos of frame work to be paid for separately)				
26.42.1	Outer face: Outer face having 6mm thick fiber cement board fixed on 9mm thick fiber cement board, Type A, as per IS:14862:2000 (high pressure steam cured) Inner Face :- 12.5 mm thick gypsum plaster board conforming to IS 2095:2011 fixed on 8 mm thick fibre cement board confirming to IS:14862:2000 of type B (High pressure steam cured)				
	Details of Cost for 10.00 Sqm				
	MATERIALS				
	Outer face:				
0238	6mm thick Type A fiber cement board 1x10=10Sqm Sqm		11.00	470.00	5170.00
	+1.00 (Add for wastage @ 10%)Total=11.00Sqm				
2636	GI Screws of Gauge 10, length 45 mm for fixing each cement fibre board to C section.		40.00	3.10	124.00
0240	9 mm thick Type A fiber cement board 1x10=10 sqm +1 sqm (Add for wastage @10%) Total = 11.00 sqm	sqm	11.00	625.00	6875.00









Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2635	GI screws of gauge 10, length 25 mm for fixing cement fibre board to C section Tapping and finishing Cement board joints	each	40.00	3.15	126.00
Sub A/R1	Filling the Groove of 2 mm to 3 mm between 6 mm and 9 mm thick cement bonded particle boards.	sqm	10.00	84.60	846.00
0239	Inner face: 8 mm thick Type B fiber cement board 110 = 10 sqm +1.00 (Add for wastage @ 10%) Total = 11.00 Sqm.	sqm	11.00	300.00	3300.00
2636	GI screw of gauge 10, length 45 mm for fixing cement bonded particle board to C section.	each	40.00	3.10	124.00
7009	12.5 mm thick tapered edge gypsum plain board 1x10 =10 sqm +1.00 (Add for wastage @10%) Total = 11.00 sqm.	sqm	11.00	140.00	1540.00
2635	GI Screws of Gauge 10, length 25 mm for Gypsum board to C section.	each	40.00	3.15	126.00
Sub A/R2	Filling the groove of 2 mm to 3 mm between 8 mm thick heavy duty cement fibre board and 12.5 mm thick gypsum plastic board.	sqm	10.00	228.20	2282.00
	LABOUR For cutting and fixing of cement and gypsum board				0.00
0112	Carpenter 2nd class	day	2.00	369.00	738.00
0114	Beldar	day	6.00	306.00	1836.00
	Total				23087.00
	Add 1 % water charges on "W"				230.87
	Total				23317.87
	add GST on "X" (multiplying factor 0.1405)				3276.16
	Total				26594.03
	Add 15% CPOH on "y"				3989.10
	Total				30583.14
	Add Cess@ 1% on "Z"				305.83
	cost of 10 sqm				30888.97
	Cost of 1 sqm				3088.90
	Say				3088.90
26.42.2	Outer face: Outer face having 8 mm thick cement bonded particle Board fixed on 10 mm thick cement bonded particle board. (Termite, Fire and Moisture Resistance) as per IS 14276:1995. Inner face:-12.5 mm thick gypsum plaster board conforming to IS 2095:2011 fixed on 8 mm thick cement bonded particle board (Termite, fire and moisture resistance confirm to IS: 14276:1995) Details of Cost for 10.00 Sqm MATERIALS Outer face:				
0243	8mm thick Cement bonded particle board 1x10 =10 Sqm + 1.00 (Add for wastage @ 10%) Total =11.00 Sqm	Sqm	11.0	215.00	2365.00
2636	GI Screws of Gauge 10, length 45 mm for fixing cement bonded particle board to C section.	each	40.0	3.10	124.00
NA	10 mm thick Cement Bonded particle board 1x10=10 sqm +1 sqm (Add for wastage @10%) Total= 11.00 sqm	sqm	11.0	475.00	5225.00
2635	GI screws of gauge 10, length 25 mm for fixing cement bonded particle board to C section Tapping and finishing Cement board joints	each	40.0	3.15	126.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
Sub A/R1	Filling the Groove of 2mm to 3 mm between 8 mm and 10 mm thick cement bonded particle boards. Inner face:	sqm	10.0	84.60	846.00
0243	8 mm thick cement bonded particle board 1x10 = 10 sqm +1.00 (Add for wastage @ 10%) Total = 11.00 Sqm.	sqm	11.0	215.00	2365.00
2636	GI screw of gauge 10, length 45 mm for fixing cement bonded particle board to C section.	each	40.0	3.10	124.00
7009	12.5 mm thick tapered edge gypsum plain board 1x10 =10 sqm +1.00 (Add for wastage @10%) Total =11.00 sqm.	sqm	11.0	140.00	1540.00
2635	GI Screws of Gauge 10, length 25 mm for Gypsum board to C section.	each	40.0	3.15	126.00
Sub A/R2	Filling the grove of 2 mm to 3 mm between 8 mm thick cement bonded particle board and 12.5 mm thick gypsum plastic board. LABOUR For cutting and fixing of cement and gypsum board	sqm	10.0	228.20	2282.00
0112	Carpenter 2nd class	day	2.0	369.00	738.00
0114	Beldar	day	6.0	306.00	1836.00
	Total				17697.00
	Add 1% water charges on "W"				176.97
	Total				17873.97 W
	add GST on "X" (multiplying factor 0.1405)				2511.29
	Total				20385.26 X
	Add 15% CPOH on "y"				3057.79
	Total				23443.05 Y
	Add Cess@ 1% on "Z"				234.43
	cost of 10 sqm				23677.48
	Cost of 1 sqm				2367.75
	Say				2367.70
Sub A/R-	Filling the groove (i.e. 2-3mm gap between boards),taping and jointing of the first layer 6mm and 9mm thick fiber cement boards with epoxy based sealing compound or with silicon sealant. Second layer is fixed over it in a staggered pattern.				
	Details of cost for 1 Sqm MATERIAL				
1248	Epoxy based sealing Compound	kg	0.14	535.00	74.90
	LABOUR				
112	Carpenter 2nd class	day	0.01	369.00	4.87
114	Beldar	day	0.01	306.00	4.04
	Cost of 1 sqm				83.81
	Add 1% labour cess				0.84
	rate included labour cess				84.65
	Say				84.60
Sub A/R-	Fill the groove (i.e. 2-3mm gap between boards),taping and jointing 8mm thick fiber cement board and 12.5mm thick gypsum plaster boards with epoxy based sealing compound, Acrylic based sealing compound, Non woven reinforcement Tape as per direction of Engineer in charge.(Use a flexible knife so that no air bubble is entrapped. Allow 1-2 hours gap. Once hard tacky or set, apply a coat of Acrylic based sealing compound paste to flash fill the beveled area. After 2-4 hours go on to repeat a skin coat with Acrylic based sealing compound to securely embed the 40mm width (non woven reinforcement Tape. Use only flexible steel knife, such as provided with packs, to avoid air entrapment within compound. After overnight drying shrinkage apply a coat of acrylic based sealing compound to compensate shrinkage. Finally cover the bevel portion with any suitable overall skin coat with a desired full surface-leveler material).				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for 1 Sqm				
	MATERIAL				
1248	Epoxy based sealing Compound	kg	0.14	535.00	74.90
1249	Acrylic based sealing compound	kg	0.26	500.00	130.00
1250	Non woven reinforcement Tape	metre	25.00	0.14	3.50
	LABOUR				
112	Carpenter 2nd class	day	0.03	369.00	9.59
114	Beldar	day	0.03	306.00	7.96
	Cost of 1 sqm				225.95
	Add 1% labour cess				2.26
	rate included labour cess				228.21
	Say				228.20
26.43	Providing and fixing internal wall panels on Light gauge steel frame work with 12.5mm thick gypsum plaster board conforming IS 2095:2011 fixed on cement board as per standard sizes fixed with self-drilling / tapping screws / fasteners @ 60cm c/c of approved make, Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm. Proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately				
26.43.1	Cement Fiber Board 8 mm thick as per IS 14862:2000 of type B (High pressure Steam Cured)				
	Details of cost for 10.00 Sqm MATERIAL				
239	8mm thick heavy duty fiber cement board 2x10 = 20 sqm + 2.00 (Add for wastage @10%)= 22.00 sqm	sqm	22.00	300.00	6600.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section	each	80.00	3.15	252.00
241	12.5 mm thick Gypsum plaster board 2x10 = 20 sqm + 2.00 (Add for wastage @10%)= 22.00 sqm	sqm	22.00	170.00	3740.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section Taping and finishing cement board joints	each	80.00	3.15	252.00
Sub	Rate as per Item No.Sub A/R- 2 of SH: Light Gauge	sqm	10.00	225.95	2259.50
A/R- 2	Steel Framed Structure (LGSFS)				
	LABOUR				
112	For cutting and fixing of cement and gypsum board				
114	Carpenter 2nd class	day	1.11	369.00	409.59
	Beldar	day	3.33	306.00	1018.98
	TOTAL				14532.07
	Add 1 % Water charges				145.32
	TOTAL				14677.39 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				2062.17
	Total				16739.56 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				2510.93
	Cost of 10.00 sqm				19250.50
	Cost of 1.00 sqm				1925.05
	Add 1% labour cess				19.25
	rate included labour cess				1944.30
	Say				1944.30
26.43.2	Cement Bonded particle board 8 mm (Termite, Fire & Moisture Resistance), as per IS:14276 : 1995				
	Details of cost for 10.00 Sqm MATERIAL				
0243	8mm thick heavy duty fiber cement board 2x10 = 20 sqm + 2.00 (Add for wastage @10%)= 22.00 sqm	sqm	22.00	215.00	4730.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section	each	80.00	3.15	252.00
241	12.5 mm thick Gypsum plaster board 2x10 = 20 sqm + 2.00 (Add for wastage @10%)= 22.00 sqm	sqm	22.00	170.00	3740.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section Taping and finishing cement board joints	each	80.00	3.15	252.00
Sub A/R- 2	Rate as per Item No. Sub A/R- 2 of SH: Light Gauge Steel Framed Structure (LGSFS)	sqm	10.00	225.95	2259.50
112	LABOUR				
112	For cutting and fixing of cement and gypsum board				
114	Carpenter 2nd class	day	1.11	369.00	409.59
114	Beldar	day	3.33	306.00	1018.98
	TOTAL				12662.07
	Add 1 % Water charges				126.62
	TOTAL				12788.69 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				1796.81
	Total				14585.50 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				2187.83
	Cost of 10.00 sqm				16773.33
	Cost of 1.00 sqm				1677.33
	Add 1% labour cess				16.77
	rate included labour cess				1694.11
	Say				1694.10
26.44	Providing and fixing in all exterior face panels breathable vapour barrier underneath the cement fiber board as per National Building Code 2009 complete as per direction of Engineer-in-charge.				
	Details of cost for 10.00 Sqm				
	MATERIAL				
2637	Vapour barrier 10.00 sqm + 1.00 sqm (Add for wastage @10%) = 11.00 sqm	sqm	11.00	180.00	1980.00
	LABOUR				
	For fixing fixing 45 sqm vapour barrier				
112	Carpenter 2nd class	day	0.22	369.00	81.18
114	Beldar	day	0.22	306.00	67.32
	TOTAL				2128.50
	Add 1 % Water charges				21.29
	TOTAL				2149.79 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				302.04
	Total				2451.83 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				367.77
	Cost of 10.00 sqm				2819.60
	Cost of 1.00 sqm				281.96
	Add 1% labour cess				2.82
	rate included labour cess				284.78
	Say				284.80
26.45	Supplying and installation of moisture resistant/fire resistant cement board as per standard sizes fixed with selfdrilling / taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm.				
26.45.1	Cement Fiber Board 6 mm thick as per IS 14862:2000 of type B (High pressure Steam Cured)				
	Details of cost for 10.00 Sqm				
	MATERIAL				
238	6 mm thick heavy duty fiber cement board 10.00 sqm + 1.00 sqm (Add for wastage @10%)= 11.00 sqm	sqm	11.00	470.00	5170.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section Taping and finishing cement board joints	each	40.00	3.15	126.00
Sub A/R- 1	Rate as per Item No. Sub A/R- 1 of SH:Light Gauge Steel Framed Structure (LGSFS)	sqm	10.00	83.81	838.10
	LABOUR				






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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	For cutting and fixing of cement and gypsum board 18.00 sqm				
112	Carpenter 2nd class	day	1.11	369.00	409.59
114	Beldar	day	3.33	306.00	1018.98
	TOTAL				7562.67
	Add 1 % Water charges				75.63
	TOTAL				7638.30 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				1073.18
	Total				8711.48 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1306.72
	Cost of 10.00 sqm				10018.20
	Cost of 1.00 sqm				1001.82
	Add 1% labour cess				10.02
	rate included labour cess				1011.84
	Say				1011.80
2645.2	Cement Bonded particle board 8 mm thick (Termite, Fire & Moisture Resistance), as per IS:14276 : 1995				
	Details of cost for 10.00 Sqm				
	MATERIAL				
0243	6 mm thick heavy duty fiber cement board 10.00 sqm + 1.00 sqm (Add for wastage @10%)= 11.00 sqm	sqm	11.00	215.00	2365.00
2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section Taping and finishing cement board joints	each	40.00	3.15	126.00
Sub	Rate as per Item No.Sub A/R- 1 of SH:Light				
A/R- 1	Gauge Steel Framed Structure (LGSFS)	sqm	10.00	83.81	838.10
	LABOUR				
	For cutting and fixing of cement and gypsum board 18.00 sqm				
112	Carpenter 2nd class	day	1.11	369.00	409.59
114	Beldar	day	3.33	306.00	1018.98
	TOTAL				4757.67
	Add 1 % Water charges				47.58
	TOTAL				4805.25 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				675.14
	Total				5480.38 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				822.06
	Cost of 10.00 sqm				6302.44
	Cost of 1.00 sqm				630.24
	Add 1% labour cess				6.30
	rate included labour cess				636.55
	Say				636.50
26.46	Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zig zag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree) . The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} A with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100Kn/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8013	Details of cost for 1.20x3.00m= 3.60 sqm MATERIAL 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. 3.60 sqm + 0.18 sqm (Add for wastage '@5%')Total = 3.78 sqm	sqm	3.78	1650.00	6237.00
9999	Add for L-shape,U-shape & straight lap mesh Cement mortar 1:3 (1cement:3 coarse sand) 2x1.20x3.00x0.05= 0.36 cum	L.S.	208.00	2.12	0.00
3.8	Rate as per Item No.3.8 of SH: Mortar 10 mm TMT bars (2 nos.75 mm long) Aluminum C-channels (100mmx150mm long)	cum	0.36	2848.95	440.96
9999	For fixing wall with foundation LABOUR	L.S.	312.15	2.12	1025.62
9999	For carrying out shotcreting, shoring, leveling, and finishing the surface with leveling, and finishing the surface with trowel.	L.S.	707.50	2.12	1499.90
	TOTAL				9865.24
	Add 1 % Water charges				98.65
	TOTAL				9963.89 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				1399.93
	Total				11363.82 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				1704.57
	Cost of 3.60 sqm				13068.39
	Cost of 1 sqm				3630.11
	Add 1% labour cess				36.30
	rate included labour cess				3666.41
	Say				3666.40
26.47	Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of panel, kept at 120-135 mm gap and connected by the zig zag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20kg/ per cum. The bottom side of the panel shall be finished by applying a layer of 60-65 mm thick cement mortar 1: 3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} with the help of shotcreting equipment etc at a pressure of not less than 1 bar (100Kn/m2) and surface finished with trowel. The top face of the panel shall be provided and finished by applying 70-75 mm thick layer of cement concrete 1:1.5: 3 (1 cement :1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). Fixing operations of roof/floor panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge.				
	Details of cost for 1.20x3.00m= 3.60 sqm MATERIAL	Sqm	3.78	1650.00	6237.00
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 3.78 1650.00 6237.00 3.60 sqm + 0.18 sqm (Add for wastage '@5%')Total = 3.78 sqm 60mm thick on the bottom of roof slab '=1x1.2x3.00x0.060= 0.216cum				














Code	Description	Unit	Quantity	Rate ₹	Amount ₹
3.8	Rate as per Item No.3.8 of SH: Mortar Cement concrete 1:1.5:3 70mm thick on the top of roof slab '=1x1.20x3.00x0.07= 0.252 cum	cum	0.22	2848.95	615.37
5.2.3	Rate as per Item No.5.2.3 of SH: Reinforced Cement Concrete	cum	0.252	5613.81	1414.68 (A)
9999	Add for L-shape, U-shape & straight lap mesh LABOUR	L.S.	202.32	2.12	428.92
9999	For providing concreting, shotcreting, shoring, leveling, plastering and finishing the surface with trowel.	L.S.	832.36	2.12	1764.60
	TOTAL				10460.58
	Add 1 % Water charges except(A) i.e on (10460.5762423704-1414.68040557036)				90.46
	TOTAL				10551.04 (X)
	Add GST 12% on X except A (multiplying factor =0.1405)(10551.0352007384-1414.68040557036)				1283.66
	Total				11834.69 (Y)
	Add 15 % Contractor's profit and overheads on Y except A (11834.6930494595-1414.68040557036)				1563.00
	Cost of 3.60 sqm				13397.69
	Cost of 1 sqm				3721.58
	Add 1% labour cess				37.22
	rate included labour cess				3758.80
	Say				3758.80

- 26.48 Providing and fixing of customized Aluminium form work for monolithic construction on RCC members with repetitive usage made up of aluminium sheets/plates of minimum 4mm thickness and grade 6061 (Type-6). The formwork comprises of (a) wall panel, rocker, kicker and internal soffit corner, external soffit corner, external corner, internal corner etc., (b) beam components i.e, beam side panel prop head for soffit beam, beams soffit panel, beam soffit bulk head and (c) deck components i.e. deck panel, deck prop, prop length, deck mid, soffit length, deck beam bar. The panels are held in position by a simple pin and wedge system that passes thorough holes in the out side rib of each panel. The tolerance of finished panel shall not be less than (-1 mm) and shall conform to IS 14987-1999. Pins and wedges to be made of high grade hot dipped galvansied mild steel. This form work also comprises of M.S. angle iron, "Z" shaped brackets braced diagonally at 0.90 to 1.00 mtr. centre to centre on extrenal wall face just the level below on which to lay M.S. square tube panels (Challis) and guard railing supports to form working platform and 40 mm dia G.I. telescopic adjustable props to support deck formwork and beam soffit panels including de-shuttering the formwork from odd/even level to be shifted/lifted to next alterante odd/even level before which the points and shuttering surface to be thoroughly cleaned, pins greasing and shuttering surface oiling propoerly before fixing all complete including sealing of gap between kicker plates of wall panel and floors (if any) as per design of formwork as provided by shuttering supplier and as per direction of the Engineer-in-charge including filling and finishing the holes of varied sizes and shapes (left by keys/pins of aluminium form work shuttering while de-shuttering) with GP-2 cementeous polymer compound mixed with water in ratio prescribed by manufacturer to form consistent workable dough for pushing it in the holes upto full depth of wall using appropriate tools and finishing smooth all complete as per directions of the Engineer-in-Detail of cost for 100 sqm (Assuming 100 repetitions)**

MATERIAL









Aluminium forwork & MS working platform 100 sqm @
852554 = 852554 (Total material cost modified as 'D'
below)

Therefore cost for using once 847645/100 =8476.45

8476.45

Deduct solvage value of aluminium for work and working

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	platform with 100 repetitions @30% of bare material cost i.e,				
	699400 (marked as A below) = 699400 /100 @ 30% = (-)2098.2				-2098.20
5772	Grease to be applied to pins for 100 sqm @ 5pins/sqm. Using 25gm grease /pin = 100x5x25 gm = 12.50 Kg	kg	12.50	180.00	2250.00
9999	Add replacement of lost/ damaged accessories	L.S.	98.85	2.12	209.56
5773	Shuttering oil for panels @ 20sqm /ltr = 100/20 = 5.00 ltr	litre	5.00	90.00	450.00
9999	Add sundries for gaps filling with sealants etc. and T&P including pully, ropes and misc. tools	L.S.	400.00	2.12	848.00
9999	Add for PVC sleeve and plastic cover for wall tiles	L.S.	500.00	2.12	1060.00
	LABOUR				
(0116)	Fitter	day	5.00	420.00	2100.00
(0117)	Assistant Fitter	day	5.00	369.00	1845.00
(0155)	Mason (Average)	day	2.00	369.00	738.00
(0114)	Beldar	day	10.00	306.00	3060.00
	TOTAL				
Sub A/R-2	Add for filling and fishing the holes of aluminium form work with GP-2	each	450.00	11.00	4950.00
	TOTAL				17510.56 W
	Add 1 % Water charges				175.11
	TOTAL				17685.67 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)				2484.84
	Total				20170.50 (Y)
	Add 15 % Contractor's profit and overheads on "Y"				3025.58
	Cost of 100 sqm				23196.08
	Cost of 1 sqm				231.96
	Add 1% labour cess				2.32
	rate included labour cess				234.28
	Say				234.30
	Sub A/R - 1				
	Material cost				
	Part-1 : Aluminium formwork				
	4mm thick sheet of aluminium alloy grade 6061 (type-6) for the contact face area of 100 sqm				
	the sheet/plate requirement including framing flanges and specials = 100 + 120 = 220 sqm				
	220 sqm @ 10.72 kg/sqm = 2358.40 Kg				
	Add 5% extra waste = 117.92 Kg				
	Total = 2358.40 + 117.82 = 2476.32 Kg				
	4mm thick sheet of aluminium alloy grade 6061 (type-6) for				
5780	aluminium formwork	kg	2476.32	250.00	619080.00 E
	Aluminium formwork weight without wastage = 2358.40 Kg				
5781	Fabrication cost for formwork panels and special including computerised designing for fabrication and mock testing before transportation to site of work.	kg	2358.40	35.00	82544.00
	Accossories like pins, wedges and wall ties @ 5% of (E)				30954.00






817




Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add cost towards maintenance and time to time replacement of damaged members @5% (E)				30954.00
5782	Packaging and carting of aluminium sheet/plate to the site of work	Tonne	2.36	5000.00	11800.00
	Total Say				775332.00 B 775332.00
	Part-2: M S working platform on external face (required while fixing & removing)				
10.2	M.S angle iron bracket of size 50x50x6 mm 10x6.00 mtr @ 4.50 Kg/mtrs = 270 Kg (Rate as per item no 10.2 SH:10 Steel Work excluding WC, GST, CPOH & Cess)	Kg	270.00	71.70	19358.71
10.16.1	M.S. Square tube panel of tubes 25x25mm, 1.8mm thick 7x2x11.45 = 160mtr + 45 mtr (railing guards) = 205 mtr @ 1.25 Kg/mtr = 256.25 Kg (Rate as per item no.10.16.1 SH: Steel Work excluding WC, GST, CPOH & Cess)	Kg	256.25	92.82	23785.29
13.81.3	Applying red oxide primer on steel work (approx. 15 sqm) (Rate as per item no.13.50.3 SH: 13 Finishing excluding WC,GST, CPOH & Cess)	Sqm	15.00	34.60	519.00
7343	40 mm dia G.I. telescopic adjsutabe props 2-3.5 mtr	each	30.00	955.00	28650.00
	Bare cost of material				72313.00
	Say				72313.00 C
5783	M S working platform for aluminium formwork	kg	270.00	46.00	12420.00
4009	M S tube panel	kg	256.25	60.00	15375.00
7343	Telescopic props = 30x2.75x2= 165 mtr. One prop length = 3m. Total number of prop = 165/3 = 55 Nos.	each	55.00	955.00	52525.00
	Total				80320.00
	Aluminium formworkmaterial cost (marked as ' E ' =				619080.00
	619080				
	Grand total				699400.00 A
	Total material cost (B) + (C)				847645.00
	Say				847645.00 D

Sub A/R -Filling and finishing the holes of varies sizes and shades (left by keys/pins of aluminium formwork shuttering while deshuttering) with GP-2 cementeous polymer compound mixed with water in ratio prescribed by manufacturer to form consistent workable dough for pushing it in the holes upto full depth of wall using appropriate tools and finishing smooth all complete as per directions of the Engineer-in-charge.

Details of cost for 0.01 cum
(Assuming 100 to 120 nos holes of 0.0001cum to 0.00008 cum
size can be filled with 25 kg (i/c wastage) of GP-2 compound)

Material

5774	GP-2 Cementeous compound (100 holes of 0.0001 cum size =0.01 cum)	kg	25.00	20.00	500.00
	Labour				
(0124)	Mason 2nd class	day	0.90	369.00	332.10
(0114)	Beldar	day	0.90	306.00	275.40
9999	Sundries for T&P and scaffolding etc.	L.S.	50.00	2.12	106.00
	Total				1213.50
	Cost per each (1588.30/110)				11.03
	say				11.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.49	Providing and fixing in position factory made EPS cement sandwich wall/roof/floor light weight solid core panels made of core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum) adhesive, cement, sand, flyash and other bonding material in mortar state processed to form in a preset mould. The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each. Panel shall be laid on 6mm thick cement mortar (1 cement: 2 fine sand) mixed with chemical adhesive of 0.5kg per 50kg of cement or shall be preferably fixed into 'C' channel made of 1.2mm thick MS plate screwed/fastened to the slab/column/beam etc. The panel shall fixed vertically with tongue and groove joint and horizontally locked with steel bar between each other and floors and filled with cement mortar and adhesive. Panels should be used as floor & roofing with additional structural support, steel or RCC depending upon the design. All the operation shall be completed in all respect as per drawings, Manufacturers specifications and under the overall direction of Engineer-in-Charge (Cost of all the material is included except "C channel" which will be paid seperately).				
26.49.1	Non load bearing panels 50mm thick of required size Details of cost 10sqm (6.95Nos x 0.6m x2.40m = 10sqm) MATERIAL Panel area = 10.00sqm, Add wastage @ 5% = 0.50sqm, Total area =10.50 sqm				
7996	Factory made EPS light weight composite sandwiched wall/roof panel (50mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	10.5	735.25	7720.13
9999	Sundries, wooden wedge for levelling, cement mortar, Chemical adhesive & dowel bar (6mm dia) LABOUR For fixing, aligning, locking the panels	L.S.	37.00	2.12	78.44
0123	Mason Grade -1	day	0.50	413.00	206.50
	Beldar	day	1.00	287.00	287.00
	TOTAL				8292.07 W
	Add 1 % Water charges on "W"				82.92
	TOTAL				8374.99 X
	Add GST on "X" (multiplying factor 0.1405)				1176.69
	TOTAL				9551.67 Y
	Add 15% CPOH on "Y"				1432.75
	TOTAL				10984.42 Z
	Add Cess @ 1% on "Z"				1098.44
	Cost of 10 sqm				10.98
	Cost of 1sqm				1109.43
	Say				1109.40
26.49.2	Non load bearing panels 60mm thick of required size Details of cost 10sqm (6.95Nos x 0.6m x2.40m = 10sqm) MATERIAL Panel area = 10.00sqm, Add wastage @ 5% = 0.50sqm, Total area = 10.50 sqm				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7997	Factory made EPS light weight composite sandwiched wall/roof panel (60mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	10.50	845.00	8872.50
9999	Sundries, wooden wedge for levelling, cement mortar, Chemical adhesive & dowel bar (6mm dia) LABOUR For fixing, aligning, locking the panels	L.S.	37.00	2.12	78.44
0123	Mason Grade -1	day	0.50	413.00	206.50
0114	Beldar	day	1.00	287.00	287.00
	TOTAL				9444.44 W
	Add 1 % Water charges on "W"				94.44
	TOTAL				9538.88 X
	Add GST on "X" (multiplying factor 0.1405)				1340.21
	TOTAL				10879.10 Y
	Add 15% CPOH on "Y"				1631.86
	TOTAL				12510.96 Z
	Add Cess @ 1% on "Z"				125.11
	Cost of 10 sqm				12636.07
	Cost of 1sqm				1263.61
	Say				1263.60
26.49.3	Non load bearing panels 75mm thick of required size				
7998	Details of cost 10sqm (6.95Nos x 0.6m x2.40m = 10sqm) MATERIAL Panel area = 10.00sqm, Add wastage @ 5% = 0.50sqm, Total area = 10.50 sqm Factory made EPS light weight composite sandwiched wall/roof panel (75mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	10.50	1074.46	11281.83
9999	Sundries, wooden wedge for levelling, cement mortar, Chemical adhesive & dowel bar (6mm dia) LABOUR For fixing, aligning, locking the panels	L.S.	37.00	2.12	78.44
0123	Mason Grade -1	day	0.50	413.00	206.50
0114	Beldar	day	1.00	287.00	287.00
	TOTAL				11853.77 W
	Add 1 % Water charges on "W"				118.54
	TOTAL				11972.31 X
	Add GST on "X" (multiplying factor 0.1405)				1682.11
	TOTAL				13654.42 Y
	Add 15% CPOH on "Y"				2048.16
	TOTAL				15702.58 Z
	Add Cess @ 1% on "Z"				157.03
	Cost of 10 sqm				15859.61
	Cost of 1 sqm				1585.96
	Say				1586.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.49.4	Non load bearing panels 90mm thick of required size				
7999	Details of cost 10sqm (6.95Nos x 0.6m x2.40m = 10sqm) MATERIAL Panel area = 10.00sqm, Add wastage @ 5% = 0.50sqm, Total area = 10.50 sqm Factory made EPS light weight composite sandwiched wall/roof panel (90mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	10.5	1268.00	13314.00
9999	Sundries, wooden wedge for levelling, cement mortar, Chemical adhesive & dowel bar (6mm dia)	L.S.	37	2.12	78.44
	LABOUR				
0123	For fixing, aligning, locking the panels Mason Grade-1	day	0.5	413.00	206.50
0114	Beldar	day	1.00	287.00	287.00
	TOTAL				13885.94 W
	Add 1 % Water charges on "W"				138.86
	TOTAL				14024.80 X
	Add GST on "X" (multiplying factor 0.1405)				1970.48
	TOTAL				15995.28 Y
	Add 15% CPOH on "Y"				2399.29
	TOTAL				18394.58 Z
	Add Cess @ 1% on "Z"				183.95
	Cost of 10 sqm				18578.52
	Cost of 1sqm				1857.85
	Say				1857.90
26.49.5	Non load bearing panels 100mm thick of required size				
8000	Details of cost 10sqm (6.95Nos x 0.6m x2.40m = 10sqm) MATERIAL Panel area = 10.00sqm, Add wastage @ 5% = 0.50sqm, Total area = 10.50 sqm Factory made EPS light weight composite sandwiched wall/roof panel (100mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each	sqm	10.5	1512.37	15879.89
9999	Sundries, wooden wedge for levelling, cement mortar, Chemical adhesive & dowel bar (6mm dia)	L.S.	37.00	2.12	78.44
	LABOUR				
	For fixing, aligning, locking the panels				
0123	Mason Grade -1	day	0.50	413.00	206.50
0114	Beldar	day	1.00	287.00	287.00
	TOTAL				16451.83 W













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 1 % Water charges on "W"				164.52
	TOTAL				16616.34 X
	Add GST on "X" (multiplying factor 0.1405)				2334.60
	TOTAL				18950.94 Y
	Add 15% CPOH on "Y"				2842.64
	TOTAL				21793.58 Z
	Add Cess @ 1% on "Z"				217.94
	Cost of 10 sqm				22011.52
	Cost of 1sqm				2201.15
	Say				2201.20
26.50	Providing and fixing in position factory made non asbestos fibre reinforced aerated cement sandwich wall/roof/floor light weight solid core panels made of light weight cement concrete core composed of OPC cement, pulverized flyash, quick lime, cotton pulp & Gypsum in mortar state mixed with aeration agent in a preset mould. The outer face on both sides of the panels will be non asbestos fibre cement board confirming to IS 14862:2000. These solid wall panels are installed using Galvanized iron steel tracks/C channel of 1mm thick of required sizes as recommended by manufacturer's and fixed to floor and RCC soffit in plumb to each other with steel screw/ fasteners. The panel shall be fixed vertically with tongue & groove joint with cement based polymer modified jointing compound. The exposed surface finished with fibre mesh/glass fibre tape with polymer based jointing compound having superior flexibility. Panels should be used as floor & roofing with additional structural support, steel or RCC depending upon the design. All the operation shall be completed in all respect as per drawings, Manufacturers specifications and under the overall direction of Engineer-in-Charge (Cost of all the material is included except "tracks/C channel" which will be paid separately).				
26.50.1	Non load bearing panels 50mm thick of required size (minimum 4mm thick fibre cement board)				
	Details of cost 10sqm (6.95Nos x 0.6m x2.40m = 10sqm)				
	MATERIAL				
	Panel area = 10.00sqm, Add wastage @ 5% = 0.50sqm, Total area = 10.50 sqm				
0244	Factory made light weight composite non asbestos fibre reinforced aerated cement sandwiched wall/roof panel (50mm thick). The outer face on both sides the panels will be non asbestos fibre cement board (minimum 4mm thick) confirming to IS 14862:2000	sqm	10.50	634.00	6657.00
9999	Sundries, cement based polymer modified jointing compound, polymer based jointing compound having superior flexibility, fibre glass tape etc.	L.S.	500.00	2.12	1060.00
	LABOUR				
	For fixing, aligning, locking the panels, glass fibre tape/fibre mesh with a jointing compound.				
0123	Mason Grade -1	day	1.00	413.00	413.00
0114	Beldar	day	2.00	287.00	574.00
0131	Painter	day	0.50	391.00	195.50
	TOTAL				8899.50 W
	Add 1 % Water charges on "W"				89.00
	TOTAL				8988.50 X
	Add GST on "X" (multiplying factor 0.1405)				1262.88
	TOTAL				10251.38 Y
	Add 15% CPOH on "Y"				1537.71
	TOTAL				11789.09 Z

7368 GFRG panel of 124mm thick      823    sqm 1.05 845.00 887.25
BCD/SOR_11th Edition_2022

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Transportation of panel in suitable truck (Rs 0.15/sqm/km) upto 300 Km	L.S.	26.00	2.12	55.12
9999	Hire Charges for Stillages/Lifting jaw, unloading of panel at site using for lift or crane, Hire Charges for Stillages/Lifting jaw	L.S.	17.00	2.12	36.04
	TOTAL				978.41
	Add 1% water charges				9.78
	TOTAL				988.19 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				138.84
	TOTAL				1127.04 (Y)
	Add 15% CPOH on "Y"				169.06
	TOTAL				1296.09
	Add 1% labour cess				12.96
	Cost 1 sqm.				1309.05
	Say				1309.10

26.52 Erection of GFRG Panels in walls in all floors using suitable crane as per instructions of Engineer-in- Charge, as per cutting drawings and structural drawings, in perfect line and plumb, above RCC plinth beam/GFRG panel below and provide necessary lateral/slanting support to keep the wall panel in safe position, providing & tying of Reinforcement as per structural drawings and applying a coat of water repellant coating Zycosil/equivalent or equivalent product (1Zycosil/equivalent compound :10 water) to saturation level over RCC plinth beam to provide water proofing treatment to joint between wall panel & plinth beam as per the guide lines / instruction by the engineer in charge. (Cost of reinforcement, water proofing of walls and plinth beam/GFRG panel below joints and installation of door/ window frames before filling of concrete shall be paid separately).The rate quoted shall include making provision for laying of lintels, beams, sunshades, staircase beams, lofts, plumbing work, electrical conduits and any structural insertion etc., as per the drawing and direction of the engineer in charge. The payment shall be made based on the actual exposed area (one side only)of the panel. The work shall be carried out as per the Special Conditions For Glass Fibre Reinforced Gypsum (GFRG) structures mentioned in NIT.

Note:

- When cutting panel, "A" side is to be for outside or external surface of respective external wall and B side is to be for internal surface of wall
- Erection of panel is to be with reference to both building plan & cutting drawing by following notational mark indicated in the cutting drawing as well as notional mark written on each panel cut as per cutting drawing











Detail of cost for 36 sqm. (4 walls of 3m x 3m = 36 sqm)

LABOUR

Skilled trained crew erection team 4 persons for 4 hour

0123	Mason (Brick layer) 1st class For 2 Lintels works, 4 day	2.00	413.00	826.00
	skilled men for 2 hrs			
0123	Mason (Brick layer) 1st class Web cutting for day	1.00	413.00	413.00
	horizontal tie beam, 2 skilled men for 4 hrs			
0123	Mason (Brick layer) 1st class Placing horizontal tie day	1.00	413.00	413.00
	beam reinforcement 4 men for 2 hrs			
0123	Mason (Brick layer) 1st class Cost for technical day	1.00	413.00	413.00
	supervisor for 4 hrs (Technicalsupervisor = Skilled labour)			
0116	Fitter (Grade 1)	day	0.50	420.00
0037	Mobile crane	day	0.38	4500.00
				210.00
				1687.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Hire charge for lateral support & Lifting jaws	L.S.	150.00	2.12	318.00
	TOTAL				4280.50 W
	Add 1% water charges				42.81
	TOTAL				4323.31 X
	Add GST 12% on "X" (multiplying factor 0.1405)				607.42
	TOTAL				4930.73 Y
	Add 15% CPOH on "Y"				739.61
	TOTAL				5670.34 Z
	Add 1% labour cess				56.70
	cost for 36sqm.				5727.04
	Cost 1 sqm.				159.08
	Say				159.10
26.53	<p>Filling of empty cavities (as shown in the structural design drawing) with quarry dust mixed with 5% cement (by volume). After initial infill of 50 mm thick with M25 concrete at base/bottom of cavities to seal off, infill wall panel cavities in 3 stages as detailed below,</p> <p>(i) 1st pour / infill to be limited to 0.3 to 0.50 m height from bottom of the panel.</p> <p>(ii) 2nd Pour/ infill: infilling shall be done only after 90 minutes interval between successive pours. The maximum height of infill shall be restricted to 1.5m height or up to the top level of door / window.</p> <p>(iii) 3rd pour/infill: After an interval of 90 minutes of second pour, infill or pour the balance height up to the bottom of embedded RCC tie beam. Pour enough water just required to dampen the dry mix enough to form cake form after each stage. (cost of laying M25 concrete shall be paid separately)</p> <p>(If any rain falls in between any stages of concrete pour, make sure to cover the panel top to prevent ingress of water or water falling into the cavities. In case of water collection over the concrete inside the panel, drill 10mm hole in GFRG panel immediately above concrete filled level to drain out water before pour/in-fill of balance concreting)</p> <p>Detail of cost for filling one panel size 9 sqm (3mx3m Wall)</p> <p>MATERIAL</p>				
1159	Stone dust/Quarry dust filling in cavities of size 230x94 mm	cum	0.85	117.23	99.65
0367	OPC Cement @ 5% volume of quarry dust	tonne	0.06	4408.00	268.49
	Tools and plants hire charges				
0002	Mixer hire charges	day	0.13	800.00	100.00
	LABOUR				
0124	Mason (brick layer) 2nd class	day	0.13	369.00	46.13
0114	Beldar	day	0.13	306.00	38.25
	TOTAL				552.51 W
	Add 1% water charges				5.53
	TOTAL				558.04 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				78.40
	TOTAL				636.44 (Y)
	Add 15% CPOH on "Y"				95.47
	TOTAL				731.91 Z
	Add 1% labour cess				7.32
	Cost of 0.85 cum				739.23
	Cost of 1 cum				869.68
	Say				869.70


















Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.54	Laying of GFRG panel as roof / floor slab panel and staircase panel using suitable crane as per instructions of Engineer-in-Charge, including providing support system with 25mm x 300mm-400 mm wide plywood, as runner with proper prop below proposed micro beams including a) Cutting of top flange of panel to 180 mm wide (leaving 25mm projection on either side) to provide RCC embedded micro beam as per cutting drawings and structural drawings. b) Reinforcement for micro beams and tie beams to be provided in position with proper anchorage as per structural drawings. c) Provision for Electrical cabling, fan hooks and laying of pipes for plumbing work. d) Concreting of Tie beam, micro beam and top of GFRG panels (50 mm thick) with M-25 cement concrete mix using coarse aggregate of size less than 20 mm including laying of 10 gauge 100x100 size weld mesh with 25 mm effective cover from the panel top. Detail of cost for 9 sqm (3mx3m wall panel) LABOUR Providing runner & support system in place for placing panel in position with 40mm bearing on walls(4 Skilled persons for 1/2 Hrs /1/16 days)				
0123	Mason (Brick layer) 1st class Lifting panel from stack by crane and placing in position with 40 mm bearing on walls 4 skilled labour for 1 hrs	day	0.25	413.00	103.25
0123	Mason (Brick layer) 1st class Cutting & removal of top protruding 25mm on either sides for keying panel into RCC micro beams in position (every 3rd cavities runner/span in place beneath) and providing concealed beam reinforcement in position, side shuttering for slab for external side(with 6mm groove) also to be provided (mean while providing fan hooks, electrical cabling, piping etc by coordinate task by concerned skilled persons, 4	day	0.50	413.00	206.50
0123	Mason (Brick layer) 1st class	day	0.50	413.00	206.50
9999	Hire charges for runner and support side shuttering for external side of slab system and for 5 days	L.S.	29.00	2.12	61.48
0037	Mobile crane	day	0.13	4500.00	562.50
	TOTAL				1140.23 (W)
	Add 1% water charges				11.40
	TOTAL				1151.63 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				161.80
	TOTAL				1313.44
	Add 15% CPOH on "Y"				197.02 (Y)
	TOTAL				1510.45
	Add 1% labour cess				15.10
	Cost of 9 sqm				1525.56 (Z)
	Cost of 1 sqm				169.51
	Say				169.50
26.55	Supplying and fixing 10 Gauge weld mesh of size 100mm x100 mm for floor/roof slab concrete screed over the micro beams as reinforcement. The weld mesh shall be fixed as per drawing. Detail of cost for 9sqm (3mx3m) MATERIAL				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Mesh area = 9.00sqm, Add wastage @ 5% =0.45sqm, Total area = 9.45 sqm				
1223	Steel weld mesh Labour for filling the quarry dust	sqm	9.45	150.00	1417.50
0103	Blacksmith 2nd class	day	0.125	369.00	46.13
0114	Beldar	day	0.125	306.00	38.25
	TOTAL				1501.88 (W)
	Add 1% water charges				15.02
	TOTAL				1516.89 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				213.12
	TOTAL				1730.02 (Y)
	Add 15% CPOH on "Y"				259.50
	TOTAL				1989.52 (Z)
	Add 1% labour cess				19.90
	Cost of 9 sqm				2009.42
	Cost of 1 sqm				223.27
	Say				223.30
26.56	Application of 2MB 60/equivalent solution (100 Kg 2MB 60/equivalent, 1 litre 2MB Nano Thinner, 20 litre water & 1 Litre Zycoprime/equivalent = 122 litre/kg) over already applied coat of Zycosil/equivalent & Zycoprime/equivalent solution on the top of all the RCC plinth beams by brush/spray coat before erection of GFRG over RCC plinth beams in GF. In the case of upper floors 150 mm wide on floor slab for all the external walls, bath/toilet/wet areas (3 hrs drying time) before erection of wall panel on upper floors including erection of parapet wall.				
	Detail of cost for 122sqm				
	MATERIAL				
8516	2MB 60 / equivalent	kg	100.00	110.00	11000.00
8517	2MB Thinner	litre	1.00	220.00	220.00
8518	Zycoprime / equivalent	litre	1.00	230.00	230.00
9999	Water, brush, technical supervision etc	L.S	78.00	2.12	165.36
	LABOUR				
0123	Mason (Brick layer) 1st class	day	20.33	413.00	8396.29
	TOTAL				20011.65 W
	Add 1% water charges				200.12
	TOTAL				20211.77 X
	Add GST 12% on "X" (multiplying factor 0.1405)				2839.75
	TOTAL				23051.52 Y
	Add 15% CPOH on "Y"				3457.73
	TOTAL				26509.25 Z
	Add 1% labour cess				265.09
	Cost of 122 sqm				26774.34
	Cost of 1 sqm				219.46
	Say				219.50
26.57	After erection of GFRG wall panels, seal all GFRG wall joints with paper tape temporarily. Water proofing treatment of vertical joints with Zycosil/equivalent water proofing Solution (1 litre of Zycosil/equivalent & 20 litres of water stirred first & 2 litres of Zycoprime/equivalent added and stirred (total 23 litres)) with 50 ml syringe till the gap and in filled concrete is completely saturated. After removing the paper seal, seal off the vertical joints with water proofing material "Grout RW/equivalent" (Sealing cost excluded.)				
	Detail of cost for 3 metre				
	MATERIAL				
8519	Zycosil / equivalent	litre	0.02609	1800.00	46.96
8518	Zycoprime / equivalent	litre	0.05	230.00	12.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	water, syringe, etc LABOUR	L.S	16.00	2.12	33.92
0123	Mason (Brick layer) 1st class	day	0.125	413.00	51.63
	TOTAL				144.51 W
	Add 1% water charges				1.45
	TOTAL				145.95 X
	Add GST 12% on "X" (multiplying factor 0.1405)				20.51
	TOTAL				166.46 Y
	Add 15% CPOH on "Y"				24.97
	TOTAL				191.43 Z
	Add 1% labour cess				1.91
	Cost of 3 metre				193.34
	Cost of 1 metre				64.45
	Say				64.40
26.58	Filling of joints between RCC plinth beam / floor slab and wall panel of external walls, toilet / bath room / wet areas walls on all floor and parapet wall over roof slab, stair case head room at the time of erection of GFRG panels with Grout RW/equivalent sealant compound after the erection of panel before the infill of concrete in panel cavities and fine finish. This applies for all horizontal and vertical joints between GFRG wall and slab panels.				
	Detail of cost for 48 metre				
	MATERIAL				
8520	Elastobar / equivalent	kg	1.00	300.00	300.00
0367	OPC Cement	tonne	0.0015	4408.00	6.61
9999	100 mesh silica, water, technical supervision, etc. LABOUR	L.S	3.00	2.12	6.36
0123	Mason (Brick layer) 1st class	day	1.50	413.00	619.50
	TOTAL				932.47
	Add 1% water charges				9.32
	TOTAL				941.80
	Add GST 12% on "X" (multiplying factor 0.1405)				132.32
	TOTAL				1074.12
	Add 15% CPOH on "Y"				161.12
	TOTAL				1235.24
	Add 1% labour cess				12.35
	Cost of 48 metre				1247.59
	Cost of 1 metre				25.99
	Say				26.00
26.59	Water proofing treatment of Vertical joints (of external side and internal side) between door frame, window & ventilator frames (on all four sides) of outer wall over the Zycosil/ equivalent solution already applied (before the installation of door j window j ventilator frames in position) and fine finish with Grout RW/equivalent.				
	Detail of cost for 40 sqm				
	MATERIAL				
8519	Zycosil/equivalent	litre	1.00	1800.00	1800.00
8518	Zycoprime /equivalent	litre	2.00	230.00	460.00
9999	Water, technical supervision, etc. LABOUR	L.S.	6.00	2.12	12.72
0123	Mason (Brick layer) 1st class	day	0.28571	413.00	118.00
	Cost of 40 sqm				2390.72
	Cost of 1 metre (10mm thick)				0.60 (A1)
	Detail of cost for 48 metre				
	MATERIAL				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8520	Elastobar /equivalent	kg	1.0000	300.00	300.00
0367	OPC Cement	tonne	0.0015	4408.00	6.61
9999	100 mesh silica, water, technical supervision, etc.	L.S.	3.0000	2.12	6.36
	LABOUR				
0123	Mason (Brick layer) 1st class	day	1.5000	413.00	619.50
	Cost of 48 metre				932.47
	Cost of 1 metre				19.43 (A2)
	TOTAL (A1+A2)				20.02 (W)
	Add 1% water charges on W				0.20
	TOTAL				20.22 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				2.84
	TOTAL				23.07 (Y)
	Add 15% CPOH on "Y"				3.46
	TOTAL				26.53
	Add 1% labour cess				0.27
	Cost of 1 metre				26.79
	Say				26.80
26.60	Water proofing treatment of RCC sunshade with Zycosil/equivalent water proofing Solution (1 litre of Zycosil/equivalent & 20 litres of water stirred first & 2 litres of Zycoprime/equivalent added and stirred (total 23 litres)) till it meets the saturation level and testing as per RILEM or by water drops test in which water drops do not absorb but drops remain or rolls.				
	Detail of cost for 40 sqm				
	MATERIAL				
8519	Zycosil / equivalent	litre	1.00	1800.00	1800.00
8518	Zycoprime / equivalent	litre	2.00	230.00	460.00
9999	Water, technical supervision, etc.	L.S.	7.00	2.12	14.84
	LABOUR				
0131	Painter	day	2.50	391.00	977.50
	TOTAL				3252.34
	Add 1% water charges				32.52
	TOTAL				3284.86 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)				461.52
	TOTAL				3746.39 (Y)
	Add 15% CPOH on "y"				561.96
	TOTAL				4308.34
	Add 1% labour cess				43.08
	Cost of 40 sqm				4351.43
	Cost of 1 sqm				108.79
	Say				108.80
26.61	In-filling / sealing of joint between RCC lintel cum sunshade and wall (on external side) in all floors by pushing in Grout RW/equivalent in paste form and coving 20 mm x 20 mm after applying a coat of Zycosil/equivalent & Zycoprime/equivalent solution before cement plastering of top, bottom and sides of RCC sunshade.				
	Detail of cost for 40 sqm				
	MATERIAL				
8519	Zycosil / equivalent	liters	1.00	1800.00	1800.00
8518	Zycoprime / equivalent	liters	2.00	230.00	460.00
9999	Water, technical supervision, etc.	L.S.	6.00	2.12	12.72
	LABOUR				
0123	Mason (Brick layer) 1st class	day	0.29	413.00	118.00
	Cost of 40 sqm				2390.72
	Cost of 1 metre (10mm thick)				0.60 (A1)
	Detail of cost for 48 metre				




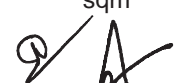

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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	MATERIAL				
8520	Elastobar / equivalent	kg	1.00	300.00	300.00
367	OPC Cement	tonne	0.00	4408.00	6.61
9999	100 mesh silica, water, technical	L.5.	3.00	2.12	6.36
	LABOUR				
0123	Mason (Brick layer) 1st class	day	1.50	413.00	619.50
	Cost of 48 metre				932.47
	Cost of 1 metre				19.43 (A2)
	TOTAL (A1+A2)				20.02
	Add 1% water charges				0.20
	TOTAL				20.22 (X)
	Add GST 12% on "X" (multiplying				2.84
	TOTAL				23.07 (Y)
	Add 15% CPOH on "Y"				3.46
	TOTAL				26.53
	Add 1% labour cess				0.27
	Cost of 1 metre				26.79
	Say				26.80
26.62	Designing, Providing, installing and fixing factory finished customized design pregalvanized high tensile steel joists manufactured from G350 Z275 confirming to IS:277-1992, minimum coating of galvanizing 275 gm/sqm, minimum yield stress 35 MPa & minimum tensile strength of 380 MPa placed 1.23 metre apart to support the load of slab etc as per the design & directions of Engineer-in-Charge.				
	Detail of cost for 212.816 kgs				
	MATERIAL				
	Covered area = 5.57x4.2m = 23.394 sqm				
	(a) 250 series Joist (G 350) - 3mm thick				
	- Galvanised = 4 Nos x 4.18 metre length				
	= 16.72 metre @ 10.59 kg/metre =				
	177.06 kg				
	(b) Joist Shoe plate (E 250) - 12 mm thick				
	MS Plate (Galvanised with 55 microns)				
	= 2 Nos in each joist x 4 No. joist = 8				
	No's @ 2.4kg/each = 19.2kg				
	(c) Bolts (M16 - Gr 8.8s), (Galvanised)				
	(16 o X 40 bolts With washer & Nuts)=				
	6No's in each joist x 4 No. joists=24				
	24 No's@0.135kg/each = 3.24 kg				
	(d) Hanging Angle at corners to support				
	lock bars L 75x40x1.6 (Galvanised)				
	2x4.18 metre =8.36 metre @ 1.60kg/				
	metre = 13.376 kg				
	Total weight = 177.06+19.2+3.24+				
	13.376 = 212.816 kgs				
1012	Pregalvanized high tensile steel	kg	212.82	90.00	19153.44
	LABOUR (Reference item no 10.1)				
116	Fitter (grade 1)	day	1.06	420.00	446.88
103	Blacksmith 2nd class	day	1.60	369.00	588.92
114	Beldar	day	2.13	306.00	651.17
	Total				20840.41 W
	Add 1 % Water charges on "W"				208.40
	TOTAL				21048.82 X
	Add GST on "X" (multiplying factor 0.1405)				2957.36
	TOTAL				24006.17 Y
	Add 15% CPOH on "Y"				3600.93

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				27607.10 Z
	Add Cess @ 1% on "Z"				276.07
	Cost of 212.816 kgs				27883.17
	Cost of 1 kg				131.02
	Say				131.00
26.63	Providing and fixing special adjustable lockbars of mild steel E-250 to support the temporary plywood for work between joists during construction as per design & directions of the Engineer-in-charge.				
	Detail of cost for 298.75 kgs				
	MATERIAL				
	Assuming special adjustable lock bar of mild steel will become unserviceable after use of 50 times				
	Taking salvage value after full use of material @ 35% of cost				
	Lock bar of size 1230mmx75mmx10mm				
	45 Nos x 4.35kg/each = 195.75 kg.				
	Lock bar of size 930mmx75mmx10mm				
	30 Nos x 3.3kg/each = 99.00 kg.				
	Total weight = 298.75 kgs				
	Assuming 50 repetition, Qty taken for cost of using once = $298.75/50 = 5.975$ kgs				
	Considering salvage value @ 35%, Quantity = $5.975 \times (100-35)/100 = 3.88$ kgs				
7336	Lock Bar (E 250) - 10 thick MS Plate LABOUR (Reference item no 10.1)	kgs	3.88	76.00	294.88
116	Fitter (grade 1)	day	1.49	420.00	625.80
103	Blacksmith 2nd class	day	2.24	369.00	826.56
114	Beldar	day	2.99	306.00	914.94
	Total				2662.18 W
	Add 1 % Water charges on "W"				26.62
	TOTAL				2688.80 X
	Add GST on "X" (multiplying factor 0.1405)				377.78
	TOTAL				3066.58 Y
	Add 15% CPOH on "Y"				459.99
	TOTAL				3526.57 Z
	Add Cess @ 1% on "Z"				35.27
	Cost of 298.75 kgs				3561.83
	Cost of 1 kg				11.92
	Say				11.90
26.64	Centering and shuttering with 12mm thick shuttering plywood confirming to IS 4990:2011 and removal of form at all heights. Plywood will be supported on lock bars.				
26.64.1	Suspended floors, roofs, landings, balconies and access platform.				
	Detail of cost for 13.50 sqm				
	MATERIAL				
	Assuming 12mm thick plywood will become unserviceable after use of 10 times				
	Area of roof = 13.50 sqm + Add wastage @ 5% = 0.675 sqm. Total = 14.175 sqm.				
	Qty taken for cost using once = $14.175/10 = 1.4175$ sqm				
8659	12mm thick waterproofing plywood	sqm	1.42	525.00	744.19
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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	confirming to IS 4990:2011				
	LABOUR (Reference item no 5.9.20)				
112	Carpenter 2nd class	day	0.13	369.00	46.13
114	Beldar	day	0.13	306.00	38.25
	Total				828.56 W
	Add 1 % Water charges on "W"				8.29
	TOTAL				836.85 X
	Add GST on "X" (multiplying factor 0.1405)				117.58
	TOTAL				954.43 Y
	Add 15% CPOH on "Y"				143.16
	TOTAL				1097.59 Z
	Add Cess @ 1% on "Z"				10.98
	Cost of 13.50 sqm				1108.56
	Cost of 1 sqm				85.27
	Say				85.30
26.65	Providing and fixing roofing consist of 0.8 mm thick galvanized steel deck sheet confirming to IS 1277:1992 used as permanent shuttering over which MS wire mesh 3mm laid at 100x100 mm grid including edge trim covered with concrete. This metal deck will be supported on structural steel beam with shear studs. (Structural steel like Beam, column, joists etc. & concrete of different grade as per design will be paid separately).				
	Detail of cost for 10 sqm				
	MATERIAL				
	Weight of GI sheet for 10sqm = 76.7 kgs + Add wastage @ 3% = 2.3 kg. Total = 79.00 kg				
8019	GI sheet 0.8 mm thick confirming to IS 277:1992	Kg	79.00	90.00	7110.00
	Length wire mesh 200metre/10 sqm. Weight of wire @ 0.06 kg/rn. total weight = 12 kgs + Add wastage @ 5% = 0.6 kgs. Total				
1217	GI Wire mesh 100x100 mm 12.6 kg	Kg	12.60	75.00	945.00
2314	Carriage of sheet & wire	tonne	0.0916	145.72	13.35
NA	Shear stud	each	40	50	2000.00
9999	Nails/Tagged screws	L.S.	138.7	2.12	294.04
9999	Labour for fixing shear stud	L.S.	462.4	2.12	980.29
	Labour for sheeting (Ref item no 2 0.1 .1)				
130	Mistry	day	0.108	306.00	33.05
112	Carpenter 2nd class	day	0.432	369.00	159.41
114	Beldar	day	0.432	306.00	132.19
	Labour for laying wire mesh (Ref item no 5.22.2)				
102	Blacksmith 1st class	day	0.12	413.00	49.56
114	Beldar	day	0.12	306.00	36.72
	Total				11753.61 (W)
	Add 1 % Water charges on "w"				117.54
	TOTAL				11871.14 (X)
	Add GST on "X" (multiplying factor 0.1405)				1667.90
	TOTAL				13539.04
	Add 15% CPOH on "Y"				2030.86 (Y)
	TOTAL				15569.90
	Add Cess @ 1% on "Z"				155.70 (Z)
	Cost of 10 sqm				15725.59
	Cost of 1 sqm				1572.56
	Say				1572.60























Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.66	Providing and fixing in position, 130 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shotcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia zinc coated G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall and connected by GI wire of 3mm dia at alternate row by welding. The EPS core shall consist of 60 mm thick EPS of density not less than 16 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 3S mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100KN/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer- in-charge.				
	Details of cost for 1.20x3.00m= 3.60 sqm				
	MATERIAL				
	Area of EPS panel = 3.60 sqm + Add wastage @5%. Total = 3.78 sqm				
8020	Factory made EPS Core wall panel/roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh, with 50 mm pitch in both the directions, connected by G.I. wire of 3mm dia at alternate row by welding	sqm	3.78	600.00	2268.00
9999	Add for L-shape, U-shape & straight lap mesh Cement mortar 1:3 (1cement:3 coarse sand) 2x1.20x3.00x0.05= 0.36 cum	L.S.	208.00	2.12	440.96
2112	Rate as per Item No.2112 of SH: Mortar 10 mm TMT bars 8 nos of 0.60 metre long. Total length = 4.8 m @ 0.617 kg/metre. Total weight = 2.96 kg	cum	0.25	2848.95	717.94
5.22.6	Rate as per 5.22.6 (SH:5 Reinforced Cement Concrete	kg	2.96	92.60	274.10 (A)
9999	Tag screw with washers for wire mesh fixing	L.S.	78.00	2.12	165.36
9999	For fixing wall with foundation	L.S.	312.15	2.12	661.76
	Labour				
9999	For carrying out shotcreting, shoring, leveling, and finishing the surface with trowel.	L.S.	707.5	2.12	1499.90
	Total				6028.01 (W)
	Add 1 % Water charges on "W-A"				57.54
	TOTAL				6085.55 (X)
	Add GST on "X-A" (multiplying factor 0.1405)				816.51
	TOTAL				6902.06
	Add 15% CPOH on "Y-A"				994.19 (Y)
	TOTAL				7896.25
	Add Cess @ 1% on "Z-A"				76.22 (Z)
	Cost of 3.6 sqm				7972.48
	Cost of 1 sqm				2214.58
	Say				2214.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.67	Providing and fixing of external thermal insulation and composite system with First layer of self-extinguishing type Expanded Polystyrene (EPS) insulation boards of 120 mm thick (max 1mX0.5m section), confirming to IS 4671:1984, having thermal conductivity of 0.034 W/mK, (measured as per IS 3346-1980), density of 20-24 kg/m³ measured as per IS 5688-1982, Fire retardant property self-extinguishing type as per EN 13501-1, bonded with special polymer modified cementitious adhesive confirming to EOTA ETAG 004 (European Technical Approval) formulated to bond polystyrene insulation boards to typical mineral substrate (according to ETAG 004) and Polypropylene mechanical fasteners with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm on finished level wall and the junction between two adjacent EPS boards to be sealed with low expansion moisture cure Polyurethane Foam. Second layer consists of Fiberglass mesh covered with alkali-resistant coating, mass per unit area > 145 gm/m², mesh size: 3.9x4.0 mm ±10% embedded in special polymer modified cementitious Base Coat with hydrophobes and the corners will be protected with Corner-beads with alkali-resistant mesh wings at least 10 cm wide, mesh mass per unit area min 145 gm/m². The surface will be levelled, finished, made smooth complete in all respect as per manufactures specification and as per directions of Engineer-in-Charge.				
	Details of cost for 10 sqm				
	Material				
	Area of insulation board = 10 sqm + Add wastage @ 10% = 1 sqm. Total = 11.00 sqm				
8562	Expanded Polystyrene insulation board 120 mm thick confirming to IS 4671-1984, Fire retardant property selfextinguishing type as per EN 13501-1	sqm	11.00	825.00	8800.00
1252	Cementitious polymer base adhesive confirming to EOTA ETAG 004 (European Technical Approval)	kg	50.00	34.00	1700.00
1253	Polypropylene mechanical fastener with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm	each	100.00	30.00	3000.00
1254	Moisture cure Polyurethane Foam	750 ml	0.80	600.00	480.00
1255	PVC Corner Bead of size 25mmx25mm fixed with glass fibre mesh (100mm x 100mm)	metre	5.00	90.00	450.00
1256	Cementitious polymer base coat confirming to EOTA ETAG 004 (European Technical Approval)	kg	50.00	40.00	2000.00
1257	Fiberglass mesh with alkali-resistant coating having mass per unit area > 145 g/m², mesh size: 3.9x4.0 mm ±10%	sqm	10.00	75.00	750.00
	Labour				0.00
131	Painter	day	4.00	391.00	1564.00
114	Beldar	day	4.00	306.00	1224.00
9999	Trowel, Angle Float, Brushes, sand paper etc.	L.S.	72.25	2.12	153.17
9999	Sundries (PVC drip bead with glass fibre mesh wing (100mm x 100mm), expansion joint, starter track of 1mm thick aluminium alloy (120mm wide), polyurethane sealant, scaffolding etc.)	L.S.	1445.09	2.12	3063.59
	Total				23184.76 W
	Add 1 % Water charges on "W"				231.85
	TOTAL				23416.61 X
	Add GST on "X"				3290.03
	TOTAL				26706.64 Y
	Add 15% CPOH on "Y"				4006.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				30712.64 Z
	Add Cess @ 1% on "Z"				307.13
	Cost of 10 sqm				31019.76
	Cost of 1 sqm				3101.98
	Say				3102.00
26.68	Providing and laying factory made Precast concrete solid blocks of 200 mm thickness of grade M10 made of C&D waste from approved manufacturer in foundation and plinth in:				
26.68.1	Cement mortar 1:6 (1 cement : 6 coarse sand)				
	Details of cost for 1 cum				
	MATERIAL:				
8658	Precast C&D waste concrete block	1000 Nos	0.11	25150.00	2789.14
2201	Carriage of blocks	1000 Nos	0.11	276.72	30.69
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
2115	Rate as per item No 3.11 of SH: Mortar	cum	0.11	1664.99	188.14
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
123	Mason (brick layer) 1st class	day	0.33	413.00	136.29
124	Mason (brick layer) 2nd class	day	0.33	369.00	121.77
115	Coolie	day	1.00	318.00	318.00
101	Bhisti	day	0.18	332.00	59.76
	Total				3649.57 W
	Add 1 % Water charges on "W"				36.50
	TOTAL				3686.07 X
	Add GST on "X" (multiplying factor 0.1405)				517.89
	TOTAL				4203.96 Y
	Add 15% CPOH on "Y"				630.59
	TOTAL				4834.56 Z
	Add Cess @ 1% on "Z"				48.35
	Cost of 1 cum				4882.90
	Say				4882.90
26.69	Providing and laying factory made Precast concrete solid blocks of 200 mm thickness of grade M10 made of C&D waste from approved manufacturer in superstructure above linth level up to floor V level				
26.69.1	Cement mortar 1:6 (1 cement : 6 coarse sand)				
	Details of cost for 1 cum				
	MATERIAL:				
8658	Precast C&D waste concrete block	1000 Nos	0.11	25150.00	2789.14
2201	Carriage of blocks	1000 Nos	0.11	276.72	30.69
	Cement mortar 1 : 6 (1 cement : 6 coarse sand)				
2115	Rate as per item No 3.11 of SH: Mortar	cum	0.11	1664.99	188.14
9999	Sundries	L.S.	2.73	2.12	5.79
	LABOUR				
123	Mason (brick layer) 1st class	day	0.47	413.00	194.11
124	Mason (brick layer) 2nd class	day	0.47	369.00	173.43
115	Coolie	day	1.80	318.00	572.40
101	Bhisti	day	0.20	332.00	66.40
9999	Scaffolding	L.S.	22.36	2.12	47.40
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				
115	Coolie	day	1.13	318.00	359.34
	Total				4426.84 W
	Add 1 % Water charges on "W"				44.27









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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				4471.11 X
	Add GST on "X" (multiplying factor 0.1405)				628.19
	TOTAL				5099.30 Y
	Add 15% CPOH on "Y"				764.89
	TOTAL				5864.19 Z
	Add Cess @ 1% on "Z"				58.64
	Cost of 1 cum				5922.83
	Say				5922.80
26.70	Providing and laying half block masonry with factory made Precast concrete solid blocks of 100 mm thickness of grade M10 made of C&D waste from approved manufacturer in foundation and plinth in:				
26.70.1	Cement mortar 1:4 (1 cement : 4 coarse sand)				
	Details of cost for 10 sqm				
	MATERIAL:				
8658	Precast C&D waste concrete block	1000 Nos	0.1161	25150.00	2919.92
2201	Carriage of blocks	1000 Nos	0.1161	276.72	32.13
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
2113	Rate as per item No 3.9 of SH: Mortar	cum	0.0708	2256.97	159.79
9999	Sundries	L.S.	13.52	2.12	28.66
0123	LABOUR	day	0.45	413.00	185.85
	Mason (brick layer) 1st class				
0124	Mason (brick layer) 2nd class	day	0.45	369.00	166.05
0115	Coolie	day	1.55	318.00	492.90
0101	Bhisti	day	0.70	332.00	232.40
	Total				4217.70 W
	Add 1 % Water charges on "W"				42.18
	TOTAL				4259.88 X
	Add GST on "X" (multiplying factor 0.1405)				598.51
	TOTAL				4858.39 Y
	Add 15% CPOH on "Y"				728.76
	TOTAL				5587.15 Z
	Add Cess @ 1% on "Z"				55.87
	Cost of 10 sqm				5643.02
	Cost of 1 sqm				564.30
	Say				564.30
26.71	Providing and laying half block masonry with factory made Precast concrete solid blocks of 100 mm thickness of grade M10 made of C&D waste from approved manufacturer in superstructure above plinth level up to floor V level:				
26.71.1	Cement mortar 1:4 (1 cement : 4 coarse sand)				
	Details of cost for 10 sqm MATERIAL:				
8658	Precast C&D waste concrete block	1000 Nos	0.1161	25150.00	2919.92
2201	Carriage of blocks Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1000 Nos	0.1161	276.72	32.13
2113.0	Rate as per item No 3.9 of SH: Mortar	cum	0.0708	2256.97	159.79
9999	Sundries	L.S.	13.52	2.12	28.66
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.60	413.00	247.80
0124	Mason (brick layer) 2nd class	day	0.60	369.00	221.40
0115	Coolie	day	2.00	318.00	636.00
0101	Bhisti	day	0.70	332.00	232.40
	Extra labour for lifting materials:				
0115	Coolie	day	1.29	318.00	410.22
	Total				4888.32 W
	Add 1 % Water charges on "W"				48.88
	TOTAL				4937.20 X
	Add GST on "X" (multiplying				693.68

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	factor 0.1405)				5630.88 Y
	TOTAL				844.63
	Add 15% CPOH on "Y"				6475.51 Z
	TOTAL				64.76
	Add Cess @ 1% on "Z"				6540.26
	Cost of 10 sqm				654.03
	Cost of 1 sqm				654.00
	Say				
26.72	Providing and laying 60mm thick factory made cement concrete paver block of approved shape and colour of M -30 grade made of C&D waste by block making machine with vibratory compaction laid in required pattern and including over 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.				
	Details of cost for 10 sqm				
	MATERIAL:				
7776	Concrete paver block of grade M-30 made of C&D waste (60mm thickness)	sqm	10.00	295.00	2950.00
	Bedding layer - 50mm thick				
	10x0.050=0.50 cum				
0982	Coarse sand (zone III)	cum	0.50	175.80	87.90
2203	Carriage of Coarse sand	cum	0.50	0.00	0.00
0983	Fine sand (zone IV)	cum	0.15	141.85	21.28
2261	Carriage of fine sand	cum	0.15	163.93	24.59
	Laying charges (Based on actual observation)				
	LABOUR				
0123	Mason (brick layer) 1st class	day	0.50	413.00	206.50
0124	Mason (brick layer) 2nd class	day	0.50	369.00	184.50
0114	Beldar	day	1.00	306.00	306.00
0115	Coolie	day	0.50	318.00	159.00
	Total				3939.77 W
	Add 1 % Water charges on "W"				39.40
	TOTAL				3979.16 X
	Add GST on "X" (multiplying factor 0.1405)				559.07
	TOTAL				4538.24 Y
	Add 15% CPOH on "Y"				680.74
	TOTAL				5218.97 Z
	Add Cess @ 1% on "Z"				52.19
	Cost of 10 sqm				5271.16
	Cost of 1 sqm				527.12
	Say	per	sqm		527.10
26.73	Fabrication & Manufacturing of Prestressed Hollow Core slab (Hollow area 25 to 30%) of different thickness & modular width 1200 mm in Controlled Factory Environment with approved methodology confirming to IS 10297:1982 by using long line casting method having arrangement of proper steel bed. Concreting should be done by batch mixing plant capable of producing zero slump concrete, transported through automatic shuttels of standard make & layed on bed with the help of extruder/Slipformer, finishing, curing and also provision of steam curing. Cutting, making necessary cutout/holes of required sizes for services in slab element after achieving required strength, yard handling & stacking all complete as per approved shop drawings & design mix as per the direction of the Engineer-in-charge. (Cost of strands should be paid separately). Note: Excess/less cement over the specified cement content used as per design mix is payable/recoverable separately)				






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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.73.1	Concrete Grade-M-40 (cement content 400 kg)				
26.73.1.1	100 mm thick hollow core slab				
	Detail cost of 10.80 cum (120 Rmt)				
	120 Rmt X 1.20 m X .10 (25 % hollow)				
5.33.2.4	Rate as per item no 5.33.2.4 of SH RCC (M-25)	cum	10.80	6240.43	67396.68 A
5.35	Rate as per item no 5.35 of SH RCC	quintal	5.40	609.26	3289.99 A
9999	Hollow core bed cost	L.S.	1301.00	2.12	2758.12
0031	Steam curing by using boiler /Heater	cum	10.80	500.00	5400.00
9999	Extra cost for preparing zero slump concrete	L.S.	936.00	2.12	1984.32
9999	Cutting, marking, lifting & transportation	L.S.	578.00	2.12	1225.36
9999	Sundries	L.S.	13.00	2.12	27.56
5.41.1	Rate as per item no 5.41.1 of SH RCC (120x2x(1.20+0.10)=312)	sqm	312.00	118.04	36829.45 A
	TOTAL				118911.48 W
	Add 1 % Water charges on "W-A"				113.95
	TOTAL				119025.44 X
	Add GST on "X-A" (multiplying factor 0.1405)				1617.06
	TOTAL				120642.50 Y
	Add 15% CPOH on "Y-A"				1968.96
	TOTAL				122611.45 Z
	Add Cess @ 1% on "Z-A"				150.95
	Cost of 120 metre				122762.40
	Cost of 1 metre				1023.02
	Say	per	mtr		1023.00
26.73.1.2	120 mm thick hollow core slab				
	Detail cost of 12.96 cum (120 Rmt)				
	120 Rmt X 1.20 m X .12 (25 % hollow)				
5.33.2.4	Rate as per item no 5.33.2 of SH RCC (M-25)	cum	12.96	6240.43	80876.02 A
5.35	Rate as per item no 5.35 of SH RCC	quintal	6.48	609.26	3947.99 A
9999	Hollow core bed cost	L.S.	1301.00	2.12	2758.12
0031	Steam curing by using boiler /Heater	cum	12.96	500.00	6480.00
9999	Extra cost for preparing zero slump concrete	L.S.	1124.00	2.12	
9999	Cutting, marking, lifting & transportation	L.S.	578.00	2.12	1225.36
9999	Sundries	L.S.	13.00	2.12	27.56
5.41.1	Rate as per item no 5.41.1 of SH RCC (120x2x(1.20+0.12)=316.80)	sqm	316.80	118.04	37396.06 A
	TOTAL				132711.10 W
	Add 1 % Water charges on "W-A"				104.91
	TOTAL				132816.02 X
	Add GST on "X-A" (multiplying factor 0.1405)				1488.73
	TOTAL				134304.75 Y
	Add 15% CPOH on "Y-A"				1812.70
	TOTAL				136117.45 Z
	Add Cess @ 1% on "Z-A"				138.97
	Cost of 120 metre				136256.42
	Cost of 1 metre				1135.47
	Say				1135.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.73.1.3	150 mm thick hollow core slab				
	Detail cost of 16.20 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.15 (25 % hollow)				
5.33.2.4	Rate as per item no 5.33.2.4 of				
	SH RCC (M-25)	cum	16.20	6240.43	101095.02 A
5.35	Rate as per item no 5.35 of SH RCC	quintal	8.10	609.26	4934.98 A
9999	Hollow core bed cost	L.S.	1301.00	2.12	2758.12
0031	Steam curing by using boiler /Heater	cum	16.20	500.00	8100.00
9999	Extra cost for preparing zero slump concrete	L.S.	1405.00	2.12	
9999	Cutting, marking, lifting & transportation	L.S.	578.00	2.12	1225.36
9999	Sundries	L.S.	13.00	2.12	27.56
5.41.1	Rate as per item no 5.41.1 of				0.00
	SH RCC (120x2x(1.20+0.15)=324.00)	sqm	324.00	118.04	38245.97 A
	TOTAL				156387.02 W
	Add 1 % Water charges on "W-A"				121.11
	TOTAL				156508.13 X
	Add GST on "X-A" (multiplying factor 0.1405)				1718.62
	TOTAL				158226.74 Y
	Add 15% CPOH on "Y-A"				2092.62
	TOTAL				160319.36 Z
	Add Cess @ 1% on "Z-A"				160.43
	Cost of 120 metre				160479.79
	Cost of 1 metre				1337.33
	Say				1337.30
26.73.1.4	200 mm thick hollow core slab				
	Detail cost of 20.160 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.20 (30 % hollow)				
5.33.2.4	Rate as per item no 5.33.2.4 of				
	SH RCC	cum	20.16	6240.43	125807.14 A
5.35	Rate as per item no 5.35 of SH RCC	quintal	10.08	609.26	6141.31 A
9999	Hollow core bed cost	L.S.	1301.00	2.12	2758.12
0031	Steam curing by using boiler /Heater	cum	20.16	500.00	10080.00
9999	Extra cost for preparing zero slump concrete	L.S.	1748.00	2.12	
9999	Cutting, marking, lifting & transportation	L.S.	578.00	2.12	1225.36
9999	Sundries	L.S.	13.00	2.12	27.56
5.41.1	Rate as per item no 5.41.1 of				0.00
	SH RCC (120x2x(1.20+0.20)=336.00)	sqm	336.00	118.04	39662.49 A
	TOTAL				185701.98 W
	Add 1 % Water charges on "W-A"				140.91
	TOTAL				185842.89 X
	Add GST on "X-A" (multiplying factor 0.1405)				1999.59
	TOTAL				187842.48 Y
	Add 15% CPOH on "Y-A"				2434.73
	TOTAL				190277.21 Z
	Add Cess @ 1% on "Z-A"				186.66
	Cost of 120 metre				190463.87
	Cost of 1 metre				1587.20
	Say				1587.20
26.73.1.5	250 mm thick hollow core slab				
	Detail cost of 25.20 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.25 (30 % hollow)				
5.33.2.4	Rate as per item no 5.33.2 of				
	SH RCC	cum	25.20	6240.43	157258.92 A











Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5.35	Rate as per item no 5.35 of SH RCC	quintal	12.60	609.26	7676.64 A
9999	Hollow core bed cost	L.S.	1301.00	2.12	2758.12
0031	Steam curing by using boiler /Heater	cum	25.20	500.00	12600.00
9999	Extra cost for preparing zero slump concrete	L.S.	2185.00	2.12	
9999	Cutting, marking, lifting & transportation	L.S.	578.00	2.12	1225.36
9999	Sundries	L.S.	13.00	2.12	27.56
5.41.1	Rate as per item no 5.41.1 of SH RCC (120x2x(1.20+0.25)=348.00)	sqm	348.00	118.04	41079.01 A
	TOTAL				222625.61 W
	Add 1 % Water charges on "W-A"				166.11
	TOTAL				222791.72 X
	Add GST on "X-A" (multiplying factor 0.1405)				2357.19
	TOTAL				225148.91 Y
	Add 15% CPOH on "Y-A"				2870.15
	TOTAL				228019.06 Z
	Add Cess @ 1% on "Z-A"				220.04
	Cost of 120 metre				228239.11
	Cost of 1 metre				1901.99
	Say				1902.00
26.73.1.6	300 mm thick hollow core slab				
	Detail cost of 30.24 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.30 (30 % hollow)				
5.33.2	Rate as per item no 5.33.2 of SH RCC	cum	30.24	6240.43	188710.71 A
5.35	Rate as per item no 5.35 of SH RCC	quintal	15.12	609.26	9211.97 A
9999	Hollow core bed cost	L.S.	1301.00	2.12	2758.12
0031	Steam curing by using boiler /Heater	cum	30.24	500.00	15120.00
9999	Extra cost for preparing zero slump concrete	L.S.	2622.00	2.12	
9999	Cutting, marking, lifting & transportation	L.S.	578.00	2.12	1225.36
9999	Sundries	L.S.	13.00	2.12	27.56
5.41.1	Rate as per item no 5.41.1 of SH RCC (120x2x(1.20+0.30)=360.00)	sqm	360.00	118.04	42495.52 A
	TOTAL				259549.24 W
	Add 1 % Water charges on "W-A"				191.31
	TOTAL				259740.55 X
	Add GST on "X-A" (multiplying factor 0.1405)				2714.79
	TOTAL				262455.34 Y
	Add 15% CPOH on "Y-A"				3305.57
	TOTAL				265760.91 Z
	Add Cess @ 1% on "Z-A"				253.43
	Cost of 120 metre				266014.34
	Cost of 1 metre				2216.79
	Say				2216.80
26.73.1.7	350 mm thick hollow core slab				
	Detail cost of 35.28 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.35 (30 % hollow)				
5.33.2.4	Rate as per item no 5.33.2 of SH RCC	cum	35.28	6240.43	220162.49 A
5.35	Rate as per item no 5.35 of SH RCC	quintal	17.64	609.26	10747.29 A
9999	Hollow core bed cost	L.S.	1301.00	2.12	2758.12
0031	Steam curing by using boiler /Heater	cum	35.28	500.00	17640.00
9999	Extra cost for preparing zero slump concrete	L.S.	3059.00	2.12	

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9999	Cutting, marking, lifting & transportation	L.S.	578.00	2.12	1225.36
9999	Sundries	L.S.	13.00	2.12	27.56
5.41.1	Rate as per item no 5.41.1 of SH RCC (120x2x(1.20+0.35)=372.00)	sqm	372.00	118.04	43912.04 A
	TOTAL				296472.87 W
	Add 1 % Water charges on "W-A"				216.51
	TOTAL				296689.38 X
	Add GST on "X-A" (multiplying factor 0.1405)				3072.39
	TOTAL				299761.77 Y
	Add 15% CPOH on "Y-A"				3740.99
	TOTAL				303502.76 Z
	Add Cess @ 1% on "Z-A"				286.81
	Cost of 120 metre				303789.57
	Cost of 1 metre				2531.58
	Say				2531.60
26.73.1.8	400 mm thick hollow core slab Detail cost of 40.32 cum (120 Rmt) 120 Rmt X 1.20 m X 0.40 (30 % hollow)				
5.33.2.4	Rate as per item no 5.33.2 of SH RCC (M-25)	cum	40.32	6240.43	251614.28 A
5.35	Rate as per item no 5.35 of SH RCC	quintal	20.16	609.26	12282.62 A
9999	Hollow core bed cost	L.S.	1301.00	2.12	2758.12
0031	Steam curing by using boiler /Heater	cum	40.32	500.00	20160.00
9999	Extra cost for preparing zero slump concrete	L.S.	3496.00	2.12	
9999	Cutting, marking, lifting & transportation	L.S.	578.00	2.12	1225.36
9999	Sundries	L.S.	13.00	2.12	27.56
5.41.1	Rate as per item no 5.41.1 of SH RCC (120x2x(1.20+0.40)=384.00)	sqm	384.00	118.04	45328.56 A
	TOTAL				333396.50 W
	Add 1 % Water charges on "W-A"				241.71
	TOTAL				333638.21 X
	Add GST on "X-A" (multiplying factor 0.1405)				3429.99
	TOTAL				337068.20 Y
	Add 15% CPOH on "Y-A"				4176.41
	TOTAL				341244.61 Z
	Add Cess @ 1% on "Z-A"				320.19
	Cost of 120 metre				341564.81
	Cost of 1 metre				2846.37
	Say				2846.40
26.73.2	Extra for using M-50 (Cement content 425 kg) instead of M-40				
26.73.2.1	100mm thick hollow core slab Detail cost of 10.80 cum (120 Rmt) 120 Rmt X 1.20 m X .10 (25 % hollow) Cement for M-50 Mix = 4.590 T Cement for M-40 Mix = 4.320 T Difference 0.270 T				
0367	Portland Cement	tonne	0.270	4408.00	1190.16
2209	Carriage of cement	tonne	0.270	145.72	39.34
	Plasticizer for M-50 Mix = 91.800 Kgs Plasticizer for M-40 Mix = 86.400 Kgs Difference 5.400 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	5.400	29.00	156.60
	TOTAL				1386.10 W









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









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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 1 % Water charges on "W"				13.86
	TOTAL				1399.97 X
	Add GST on "X-A" (multiplying factor 0.1405)				196.70
	TOTAL				1596.66 Y
	Add 15% CPOH on "Y"				239.50
	TOTAL				1836.16 Z
	Add Cess @ 1% on "Z"				18.36
	Cost for 120 metre				1854.52
	Cost of 1 metre				15.45
	Say				15.50
26.73.2.2	120mm thick hollow core slab				
	Detail cost of 12.96 cum (120 Rmt) 120 Rmt X 1.20 m X .12 (25 % hollow) Cement for M-50 Mix = 5.508 T				
	Cement for M-40 Mix = 5.184 T				
	Difference 0.324 T				
0367	Portland Cement	tonne	0.324	4408.00	1428.19
2209	Carriage of cement	tonne	0.324	145.72	47.21
	Plasticizer for M-50 Mix = 110.160 Kgs				
	Plasticizer for M-40 Mix = 103.680 Kgs				
	Difference 6.480 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	6.48	29.00	187.92
	TOTAL				1663.33 W
	Add 1 % Water charges on "W"				16.63
	TOTAL				1679.96 X
	Add GST on "X" (multiplying factor 0.1405)				236.03
	TOTAL				1915.99 Y
	Add 15% CPOH on "Y"				287.40
	TOTAL				2203.39 Z
	Add Cess @ 1% on "Z"				22.03
	Cost for 120 metre				2225.43
	Cost of 1 metre				18.55
	Say				18.50
26.73.2.3	150mm thick hollow core slab				
	Detail cost of 16.20 cum (120 Rmt) 120 Rmt X 1.20 m X 0.15 (25 % hollow)				
	Cement for M-50 Mix = 6.885 T				
	Cement for M-40 Mix = 6.480 T				
	Difference 0.405 T				
0367	Portland Cement	tonne	0.405	4408.00	1785.24
2209	Carriage of cement	tonne	0.405	145.72	59.02
	Plasticizer for M-50 Mix = 137.700 Kgs				
	Plasticizer for M-40 Mix = 129.600 Kgs				
	Difference 8.100 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	8.10	29.00	234.90
	TOTAL				2079.16 W
	Add 1 % Water charges on "W"				20.79
	TOTAL				2099.95 X
	Add GST on "X" (multiplying factor 0.1405)				295.04
	TOTAL				2394.99 Y
	Add 15% CPOH on "Y"				359.25
	TOTAL				2754.24 Z

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add Cess @ 1% on "Z"				27.54
	Cost for 120 metre				2781.78
	Cost of 1 metre				23.18
	Say				23.20
26.73.2.4	200mm thick hollow core slab				
	Detail cost of 20.160 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.20 (30 % hollow)				
	Cement for M-50 Mix = 8.568 T				
	Cement for M-40 Mix = 8.064 T				
	Difference 0.504 T				
0367	Portland Cement	tonne	0.504	4408.00	2221.63
2209	Carriage of cement	tonne	0.504	145.72	73.44
	Plasticizer for M-50 Mix = 171.360 Kgs				
	Plasticizer for M-40 Mix = 161.280 Kgs				
	Difference 10.080 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	10.08	29.00	292.32
	TOTAL				2587.39 W
	Add 1 % Water charges on "W"				25.87
	TOTAL				2613.27 X
	Add GST on "X" (multiplying factor 0.1405)				367.16
	TOTAL				2980.43 Y
	Add 15% CPOH on "Y"				447.06
	TOTAL				3427.50 Z
	Add Cess @ 1% on "Z"				34.27
	Cost for 120 metre				3461.77
	Cost of 1 metre				28.85
	Say				28.80
26.73.2.5	250mm thick hollow core slab				
	Detail cost of 25.20 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.25 (30 % hollow)				
	Cement for M-50 Mix = 10.710 T				
	Cement for M-40 Mix = 10.080 T				
	Difference 0.630 T				
0367	Portland Cement	tonne	0.63	4408.00	2777.04
2209	Carriage of cement	tonne	0.63	145.72	91.80
	Plasticizer for M-50 Mix = 214.200 Kgs				
	Plasticizer for M-40 Mix = 201.600 Kgs				
	Difference 12.600 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	12.60	29.00	365.40
	TOTAL				3234.24 W
	Add 1 % Water charges on "W"				32.34
	TOTAL				3266.59 X
	Add GST on "X" (multiplying factor 0.1405)				458.96
	TOTAL				3725.54 Y
	Add 15% CPOH on "Y"				558.83
	TOTAL				4284.37 Z
	Add Cess @ 1% on "Z"				42.84
	Cost for 120 metre				4327.22
	Cost of 1 metre				36.06
	Say				36.10
26.73.2.6	300mm thick hollow core slab				
	Detail cost of 30.24 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.30 (30 % hollow)				


















Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Cement for M-50 Mix = 12.852 T				
	Cement for M-40 Mix = 12.096 T				
	Difference 0.756 T				
0367	Portland Cement	tonne	0.756	4408.00	3332.45
2209	Carriage of cement	tonne	0.756	145.72	110.16
	Plasticizer for M-50 Mix = 257.040 Kgs				
	Plasticizer for M-40 Mix = 241.920 Kgs				
	Difference 15.1200 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	15.12	29.00	438.48
	TOTAL				3881.09 W
	Add 1 % Water charges on "W"				38.81
	TOTAL				3919.90 X
	Add GST on "X" (multiplying factor 0.1405)				550.75
	TOTAL				4470.65 Y
	Add 15% CPOH on "Y"				670.60
	TOTAL				5141.25 Z
	Add Cess @ 1% on "Z"				51.41
	Cost for 120 metre				5192.66
	Cost of 1 metre				43.27
	Say				43.30
26.73.2.7	350mm thick hollow core slab				
	Detail cost of 35.28 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.35 (30 % hollow)				
	Cement for M-50 Mix = 14.994 T				
	Cement for M-40 Mix = 14.112 T				
	Difference 0.882 T				
0367	Portland Cement	tonne	0.882	4408.00	3887.86
2209	Carriage of cement	tonne	0.882	145.72	128.53
	Plasticizer for M-50 Mix = 299.880 Kgs				
	Plasticizer for M-40 Mix = 282.240 Kgs				
	Difference 17.640 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	17.64	29.00	511.56
	TOTAL				4527.94 W
	Add 1 % Water charges on "W"				45.28
	TOTAL				4573.22 X
	Add GST on "X" (multiplying factor 0.1405)				642.54
	TOTAL				5215.76 Y
	Add 15% CPOH on "Y"				782.36
	TOTAL				5998.12 Z
	Add Cess @ 1% on "Z"				59.98
	Cost for 120 metre				6058.10
	Cost of 1 metre				50.48
	Say				50.50
26.73.2.8	400mm thick hollow core slab				
	Detail cost of 40.32 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.40 (30 % hollow)				
	Cement for M-50 Mix = 17.136 T				
	Cement for M-40 Mix = 16.128 T				
	Difference 1.008 T				
0367	Portland Cement	tonne	1.008	4408.00	4443.26
2209	Carriage of cement	tonne	1.008	145.72	146.89
	Plasticizer for M-50 Mix = 342.720 Kgs				
	Plasticizer for M-40 Mix = 322.560 Kgs				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Difference 20.160 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	20.16	29.00	584.64
	TOTAL				5174.79 W
	Add 1 % Water charges on "W"				51.75
	TOTAL				5226.54 X
	Add GST on "X" (multiplying factor 0.1405)				
	TOTAL				5278.29
	Add 15% CPOH on "Y"				791.74 Y
	TOTAL				6070.03
	Add Cess @ 1% on "Z"				60.70 Z
	Cost for 120 metre				6130.73
	Cost of 1 metre				51.09
	Say				51.10
26.73.3	Extra for using M-60 (Cement content 440 kg) instead of M-40				
26.73.3.1	100mm thick hollow core slab				
	Detail cost of 10.80 cum (120 Rmt)				
	120 Rmt X 1.20 m X .10 (25 % hollow)				
	Cement for M-60 Mix = 4.752 T				
	Cement for M-40 Mix = 4.320 T				
	Difference 0.432 T				
0367	Portland Cement	tonne	0.432	4408.00	1904.26
2209	Carriage of cement	tonne	0.432	145.72	62.95
	Plasticizer for M-60 Mix = 95.040 Kgs				
	Plasticizer for M-40 Mix = 86.400 Kgs				
	Difference 8.640 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	8.640	29.00	250.56
	TOTAL				2217.77 W
	Add 1 % Water charges on "W"				22.18
	TOTAL				2239.94 X
	Add GST on "X" (multiplying factor 0.1405)				
	TOTAL				314.71
	Add 15% CPOH on "Y"				2554.66 Y
	TOTAL				383.20
	Add Cess @ 1% on "Z"				2937.86 Z
	Cost for 120 metre				29.38
	Cost of 1 metre				2967.23
	Say				24.73
					24.70
26.73.3.2	120mm thick hollow core slab				
	Detail cost of 12.96 cum (120 Rmt)				
	120 Rmt X 1.20 m X .12 (25 % hollow)				
	Cement for M-60 Mix = 5.702 T				
	Cement for M-40 Mix = 5.184 T				
	Difference 0.518 T				
0367	Portland Cement	tonne	0.518	4408.00	2283.34
2209	Carriage of cement	tonne	0.518	145.72	75.48
	Plasticizer for M-60 Mix = 114.048 Kgs				
	Plasticizer for M-40 Mix = 103.680 Kgs				
	Difference 10.368 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	10.368	29.00	300.67
	TOTAL				2659.50 W
	Add 1 % Water charges on "W"				26.59
	TOTAL				2686.09 X
	Add GST on "X" (multiplying				







Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	factor 0.1405)				377.40
	TOTAL				3063.49 Y
	Add 15% CPOH on "Y"				459.52
	TOTAL				3523.01 Z
	Add Cess @ 1% on "Z"				35.23
	Cost for 120 metre				3558.24
	Cost of 1 metre				29.65
	Say				29.70
26.73.3.3	150mm thick hollow core slab				
	Detail cost of 16.20 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.15 (25 % hollow)				
	Cement for M-60 Mix = 7.128 T				
	Cement for M-40 Mix = 6.480 T				
	Difference 0.648 T				
0367	Portland Cement	tonne	0.648	4408.00	2856.38
2209	Carriage of cement	tonne	0.648	145.72	94.43
	Plasticizer for M-60 Mix = 114.048 Kgs				
	Plasticizer for M-40 Mix = 129.600 Kgs				
	Difference 12.960 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	12.96	29.00	375.84
	TOTAL				3326.65 W
	Add 1 % Water charges on "W"				33.27
	TOTAL				3359.92 X
	Add GST on "X" (multiplying factor 0.1405)				472.07
	TOTAL				3831.99 Y
	Add 15% CPOH on "Y"				574.80
	TOTAL				4406.78 Z
	Add Cess @ 1% on "Z"				44.07
	Cost for 120 metre				4450.85
	Cost of 1 metre				37.09
	Say				37.10
26.73.3.4	200mm thick hollow core slab				
	Detail cost of 20.160 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.20 (30 % hollow)				
	Cement for M-60 Mix = 8.870 T				
	Cement for M-40 Mix = 8.064 T				
	Difference 0.806 T				
0367	Portland Cement	tonne	0.806	4408.00	3552.85
2209	Carriage of cement	tonne	0.806	145.72	117.45
	Plasticizer for M-60 Mix = 177.408 Kgs				
	Plasticizer for M-40 Mix = 161.280 Kgs				
	Difference 16.128 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	16.128	29.00	467.71
	TOTAL				4138.01 W
	Add 1 % Water charges on "W"				41.38
	TOTAL				4179.39 X
	Add GST on "X" (multiplying factor 0.1405)				587.20
	TOTAL				4766.59 Y
	Add 15% CPOH on "Y"				714.99
	TOTAL				5481.58 Z
	Add Cess @ 1% on "Z"				54.82
	Cost for 120 metre				5536.40
	Cost of 1 metre				46.14
	Say				46.10













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.73.3.5 250mm thick hollow core slab					
	Detail cost of 25.20 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.25 (30 % hollow)				
	Cement for M-60 Mix = 11.088 T				
	Cement for M-40 Mix = 10.080 T				
	Difference 1.008 T				
0367	Portland Cement	tonne	1.008	4408.00	4443.26
2209	Carriage of cement	tonne	1.008	145.72	146.89
	Plasticizer for M-60 Mix = 221.760 Kgs				
	Plasticizer for M-40 Mix = 201.600 Kgs				
	Difference 20.160 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	20.16	29.00	584.64
	TOTAL				5174.79 W
	Add 1 % Water charges on "W"				51.75
	TOTAL				5226.54 X
	Add GST on "X" (multiplying factor 0.1405)				734.33
	TOTAL				5960.87 Y
	Add 15% CPOH on "Y"				894.13
	TOTAL				6855.00 Z
	Add Cess @ 1% on "Z"				68.55
	Cost for 120 metre				6923.55
	Cost of 1 metre				57.70
	Say				57.70
26.73.3.6 300mm thick hollow core slab					
	Detail cost of 30.24 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.30 (30 % hollow)				
	Cement for M-60 Mix = 13.306 T				
	Cement for M-40 Mix = 12.096 T				
	Difference 1.210 T				
0367	Portland Cement	tonne	1.21	4408.00	5333.68
2209	Carriage of cement	tonne	1.21	145.72	176.32
	Plasticizer for M-60 Mix = 266.112 Kgs				
	Plasticizer for M-40 Mix = 241.920 Kgs				
	Difference 24.192 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	24.192	29.00	701.57
	TOTAL				6211.57 W
	Add 1 % Water charges on "W"				62.12
	TOTAL				6273.68 X
	Add GST on "X" (multiplying factor 0.1405)				881.45
	TOTAL				7155.14 Y
	Add 15% CPOH on "Y"				1073.27
	TOTAL				8228.41 Z
	Add Cess @ 1% on "Z"				82.28
	Cost for 120 metre				8310.69
	Cost of 1 metre				69.26
	Say				69.30
26.73.3.7 350mm thick hollow core slab					
	Detail cost of 35.28 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.35 (30 % hollow)				
	Cement for M-60 Mix = 15.523 T				
	Cement for M-40 Mix = 14.112 T				
	Difference 1.411 T				
0367	Portland Cement	tonne	1.411	4408.00	6219.69

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





Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of cement	tonne	1.411	145.72	205.61
	Plasticizer for M-60 Mix = 310.464 Kgs				
	Plasticizer for M-40 Mix = 282.240 Kgs				
	Difference 28.224 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	28.224	29.00	818.50
	TOTAL				7243.79 W
	Add 1 % Water charges on "W"				72.44
	TOTAL				7316.23 X
	Add GST on "X" (multiplying factor 0.1405)				1027.93
	TOTAL				8344.16 Y
	Add 15% CPOH on "Y"				1251.62
	TOTAL				9595.79 Z
	Add Cess @ 1% on "Z"				95.96
	Cost for 120 metre				9691.75
	Cost of 1 metre				80.76
	Say				80.80
26.73.3.8	400mm thick hollow core slab				
	Detail cost of 40.32 cum (120 Rmt)				
	120 Rmt X 1.20 m X 0.40 (30 % hollow)				
	Cement for M-60 Mix = 17.741 T				
	Cement for M-40 Mix = 16.128 T				
	Difference 1.613 T				
0367	Portland Cement	tonne	1.613	4408.00	7110.10
2209	Carriage of cement	tonne	1.613	145.72	235.05
	Plasticizer for M-60 Mix = 354.816 Kgs				
	Plasticizer for M-40 Mix = 322.560 Kgs				
	Difference 32.256 Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	32.256	29.00	935.42
	TOTAL				8280.57 W
	Add 1 % Water charges on "W"				82.81
	TOTAL				8363.38 X
	Add GST on "X" (multiplying factor 0.1405)				1175.05
	TOTAL				9538.44 Y
	Add 15% CPOH on "Y"				1430.77
	TOTAL				10969.20 Z
	Add Cess @ 1% on "Z"				109.69
	Cost for 120 metre				11078.89
	Cost of 1 metre				92.32
	Say				92.30
26.74	Fabrication and manufacturing of solid precast concrete element with provisions of shear keys, connecting loops, dowel tubes and proper lifting accessories for walls, beams, slabs, stairs, column etc, of various thickness, shape and size of different concrete grades manufactured in controlled factory environment with approved methodology including moulds (Pallet system, Tilts form, table moulds, battery moulds, vertical moulds, beam moulds, column moulds, staircase moulds, Facade mould, etc.), mixing, transporting and placing of concrete, vibrating, curing, finishing, making necessary cutout/holes of required sizes for services, yard handling & stacking all complete as per IS 11447:1985 and as per approved shop drawings and design mix as per the direction of Engineer- in-Charge (Cost of reinforcement, Mechanical, Electrical and Plumbing inserts will be paid separately).				
	Note: Excess/less cement over the specified cement content used as per design mix is payable/recoverable separately).				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.74.1	Concrete grade M-35 (Cement content 370 kgs)				
5.33.2.3	Detail of cost for 1.26 Cum Considers a wall 2.80 X 3.00 X 0.15 = 1.260 Cum Rate as per item no 5.33.2.3 of SH RCC	cum	1.26	6114.70	7704.52 A
5.35	Rate as per item no 5.35 of SH RCC (M-35 (370 kgs))	quintal	0.252	609.26	153.53 A
9999	Cost of hosting and fixing moulds	L.S	372.00	2.12	788.64
5.9.1	Rate as per item 5.9.1 of SH RCC, Side Shuttering of walls ((2.8+3)x2x0.15=1.74)	sqm	1.74	211.56	368.12 A
9999	Table buffing & oiling	L.S	174.00	2.12	368.88
9999	Sundries (Extra labour for Lifting, transportation, stacking of finished precast elements)	L.S	230.00	2.12	487.60
5.41.1	Rate as per item no 5.41.1 of SH RCC (Curing using curing compound)	sqm	18.54	118.04	2188.52 A
7929	Shear loops (6mm dia GI wire rope) (For vertical joints) 6 nos on each side	each	12.00	210.00	2520.00
7930	dowel tubes (Corrugated GI pipes 50 to 80mm dia) (For horizontal joints)	metre	3.00	144.00	432.00
9999	Shear key (6mm thick mechanically folded MS plate)	L.S	115.00	2.12	243.80
7931	Hooks for lifting (Alloy steel) having 2.5 tonne capacity	each	2.00	270.00	540.00
	Labour for fixing accessories & inserts such as shear loops, shear keys, dowel tubes, lifting hooks				
0155	Mason (Average)	day	0.50	369.00	184.50
0115	Coolie	day	0.50	318.00	159.00
	Labour for operating of hoisting & fixing moulds				
0157	Operator	day	0.50	520.00	260.00
0116	Fitter (Grade 1)	day	0.30	420.00	126.00
0115	Coolie	day	0.30	318.00	95.40
9999	Sundries (Labour cost such as crane, trailer(flat bed & a frames) & panel racks for stacking of precast concrete panel wall)	L.S	173.41	2.12	367.63
	TOTAL				16988.14 W
	Add 1 % Water charges on "W-A"				65.73
	TOTAL				17053.87 X
	Add GST on "X-A" (multiplying factor 0.1405)				932.81
	TOTAL				17986.68 Y
	Add 15% CPOH on "Y-A"				1135.80
	TOTAL				19122.48 Z
	Add Cess @ 1% on "Z-A"				87.08
	Cost for 1.26 Cum				19209.55
	Cost of 1 Cum				15245.68
	Say				15245.70
26.74.2	Extra for using M-40 (Cement content 400 kg) instead of M-35				
0367	Cement for M-35 Mix = 0.370 T Cement for M-40 Mix = 0.400 T Difference 0.030 T Portland Cement	tonne	0.03	4408.00	132.24

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
2209	Carriage of cement	tonne	0.03	145.72	4.37
	Plasticizer for M-35 Mix =7.400 Kgs				
	Plasticizer for M-40 Mix = 8.000 Kgs				
	Difference 0.600Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	0.60	29.00	17.40
	TOTAL				154.01 W
	Add 1 % Water charges on "W"				1.54
	TOTAL				155.55 X
	Add GST on "X" (multiplying factor 0.1405)				21.86
	TOTAL				177.41 Y
	Add 15% CPOH on "Y"				26.61
	TOTAL				204.02 Z
	Add Cess @ 1% on "Z"				2.04
	Cost of 1.00 Cum				206.06
	Say				206.10
26.74.3	Extra for using M-50 (Cement content 425 kg) instead of M-35				
	Cement for M-35 Mix = 0.370 T				
	Cement for M-50 Mix = 0.425 T				
	Difference 0.055 T				
0367	Portland Cement	tonne	0.055	4408.00	242.44
2209	Carriage of cement	tonne	0.055	145.72	8.01
	Plasticizer for M-35 Mix =7.400 Kgs				
	Plasticizer for M-50 Mix = 8.500 Kgs				
	Difference 1.100Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	1.10	29.00	31.90
	TOTAL				282.35 W
	Add 1 % Water charges on "W"				2.82
	TOTAL				285.18 X
	Add GST on "X" (multiplying factor 0.1405)				40.07
	TOTAL				325.25 Y
	Add 15% CPOH on "Y"				48.79
	TOTAL				374.03 Z
	Add Cess @ 1% on "Z"				3.74
	Cost of 1.00 Cum				377.77
	Say				377.80
26.74.4	Extra for using M-60 (Cement content 440 kg) instead of M-35				
	Cement for M-35 Mix = 0.370 T				
	Cement for M-60 Mix = 0.440 T				
	Difference 0.070 T				
0367	Portland Cement	tonne	0.07	4408.00	308.56
2209	Carriage of cement	tonne	0.07	145.72	10.20
	Plasticizer for M-35 Mix =7.400 Kgs				
	Plasticizer for M-60 Mix = 8.800 Kgs				
	Difference 1.400Kgs				
7318	Plasticizer or Super Plasticizer 2% of cement content	kg	1.40	29.00	40.60
	TOTAL				359.36 W
	Add 1 % Water charges on "W"				3.59
	TOTAL				362.95 X
	Add GST on "X" (multiplying factor 0.1405)				51.00
	TOTAL				413.95
	Add 15% CPOH on "Y"				62.09 Y

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	TOTAL				476.04
	Add Cess @ 1% on "Z"				4.76 Z
	Cost of 1.00 Cum				480.80
	Say				480.80
26.75	Providing & laying in position Prestressing steel strands (low relaxation) on hollow core bed by using mechanical pulling arrangement like Rabbit/ Bed master including all accessories for Stressing & destressing operations as per approved make conforming to IS1343 & grade FY-1860 etc, complete as per drawings and direction of Engineer -in-charge.				
	Considering Four beds				
	8 strands (each strand is of 9.53mm dia				
	consisting of 7 wires) X 4 beds X 120				
	Rmt X 0.453 Unit wt = 1739.52 kgs. Say				
	1740kgs.				
	Details of Cost for 1740 Kg				
	MATERIALS				
	Quantity = 17.40 quintal + Add wastage				
	10 % = 1.74 q. Total = 19.14 q				
0993	FY-1860 grade wire strands	quintal	19.14	5700.00	109098.00
2205	Carriage of material	Kgs	1.914	145.72	278.91
	Cutting baldes required for strand cutting				
9999	Strand cutting by cutting saw machine	L.S.	555.00	2.12	1176.60
	Wedges				
9999	Cost of wedge	L.S.	617.00	2.12	1308.04
	Resources - For laying and fixing				
	cables, anchorages				
0128	Mate	day	1.00	325.00	325.00
0102	Blacksmith 1st class	day	4.00	413.00	1652.00
0115	Coolie	day	3.00	318.00	954.00
	Labour- For prestressing				
0128	Mate	day	2.00	325.00	650.00
0116	Fitter (Grade-1)	day	3.00	420.00	1260.00
0157	Operators	day	2.00	520.00	1040.00
0115	Coolie	day	2.00	318.00	636.00
	MACHINERY (12 HRS Required to				
	Lay 1.914 Ton strands on 4 beds)				
0032	Stressing Machine (jack with pump)	day	1.50	11500.00	17250.00
0028	Hire & Running Charges of Crane 20 Ton				
	Capacity to handle strands (8 Nos. strand				
	coils (average weight 3Ton each)				
	required to lay one bed of 8 strands as				
	one coil can lay only one strand at a time.				
	Therefore to operate one complete bed				
	total 8 Nos strand coils required, hence				
	total 3X8= 24 Ton weight will be handled				
	for one bed)	day	1.50	7000.00	10500.00
0034	Cutting Saw Machine	day	1.50	1350.00	2025.00
0030	Hire charges of Generator 250 KVA	day	1.50	3000.00	4500.00
0035	Strands Roller machinery for laying				
	strands	day	1.50	3500.00	5250.00
0036	Bed master (Pulling strands)	day	1.50	3000.00	4500.00
0028	"Crane handling charges for bed master				
	& stressing machine."One bed master				
	approx wt = 03 Ton (to be placed on each				
	bed with the help of crane for laying of				
	strands)"One stressing Machine approx				
	wt = 2.5 Ton (to be placed on each active				







Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	ends of bed with the help of crane for initial pulling & stressing of strands). Handling & Shifting of bed master & stressing machine has to be done for each bed separately."	day	1.50	7000.00	10500.00
1235	Diesel for generator set (14 litres per hour for 11 hours)	Litre	154.00	80.87	12453.98
	TOTAL				185357.53 W
	Add 1 % Water charges on "W"				1853.58
	TOTAL				187211.10 X
	Add GST on "X" (multiplying factor 0.1405)				26303.16
	TOTAL				213514.26 Y
	Add 15% CPOH on "Y"				32027.14
	TOTAL				245541.40 Z
	Add Cess @ 1% on "Z"				2455.41
	Cost for 1740 kgs				247996.82
	Cost of 1 Kg				142.53
	Say				142.50
26.76	Transportation of Precast Elements by flat bed Trailor (Double / Triple axle 40ft Length with proper accessories like A frame etc) from factory, including the cost of loading , unloading & stacking at site with the help of required capacity cranes.				
26.76.1	Lead within 15km				
9999	Trailors having capacity 22MT Hire charges of truck trailors	L.S.	1738.00	2.12	3,684.56
	Number of trips in working day of 8 hours				
	$N = 8 / \{ (2L/S) + 2 \}$. Where L=Lead in Km., S=Speed in Km.per hour, 1 hour is allowed for loading & 1 hour for unloading. L= 15 km.				
	S= 15 km / hr $N = 8 / \{ (30/15) + 2 \} = 02$ Trips / day				
	Charges of Trailors having capacity 22MT including cost of fuel & driver cost and maintenance				
0028	Hire charges of Crane capacity of 30MT for loading from stock yard and unloading at site for 120 MT.	day	0.3667	7000.00	2,566.90
0128	Mate	day	0.50	325.00	162.50
0114	Beldar	day	0.50	306.00	153.00
9999	wooden battens for transportation	L.S.	57.80	2.12	122.54
9999	Chain for packing & binding precast elements	L.S.	57.80	2.12	122.54
9999	sundries	L.S.	220.00	2.12	466.40
	TOTAL				7278.43 W
	Add 1 % Water charges on "W"				72.78
	TOTAL				7351.22 X
	Add GST on "X" (multiplying factor 0.1405)				1032.85
	TOTAL				8384.06 Y
	Add 15% CPOH on "Y"				1257.61
	TOTAL				9641.67 Z
	Add Cess @ 1% on "Z"				96.42
	Cost for 22 MT				9738.09
	Cost of 1 MT				442.64
	Say				442.60



Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.76.2	Add/Deduct over item 26.76.1 for every additional lead of 5 km				
	Extra for lead 5 km				
9999	Charges of Trailors having capacity 22MT including cost of fuel & driver and maintenance	L.S.	579.00	2.12	1227.48
9999	sundries	L.S.	220.00	2.12	466.40
	TOTAL				1693.88 W
	Add 1 % Water charges on "W"				16.94
	TOTAL				1710.82 X
	Add GST on "X" (multiplying factor 0.1405)				240.37
	TOTAL				1951.19 Y
	Add 15% CPOH on "Y"				292.68
	TOTAL				2243.87 Z
	Add Cess @ 1% on "Z"				22.44
	Cost for 22 MT				2266.31
	Cost of 1 MT				103.01
	Say				103.00
26.77	Erection & Installation of Precast/Prestressed Concrete elements in correct & final position with proper line level and plumb at site making all arrangements (i.e cranes, push-pull jacks & all another T & P for lifting Placing & Alignment of elements, within erection				
26.77.1	tolerance as per IS 15916 as per approved shop drawings and all complete as per the direction of Engineer-in-Charge but excluding the cost of sim pads, non shrink grout and steel works i.e hangers. All work up to fifth floor.				
	Prestressed hollow core Slab up to 200 mm thickness				
0044	Detail of cost for 150 Sqm.	day	1.00	8000.00	8000.00
	Length of element can be upto 8.00 metres. Mobile crane (Tyre mounted) upto 25m height 100 feet boom				
	Cost for crane upto 40 tonne capacity				
9999	Hire charges of props & Misc	L.S.	434.00	2.12	920.08
0070	Genrator hiring 100kva Labour cost for erection	hour	8.00	300.00	2400.00
0111	Carpenter 1st class	day	1.00	413.00	413.00
0112	Carpenter 2nd class	day	2.00	369.00	738.00
0116	Fitter (grade 1)	day	2.00	420.00	840.00
0130	Mistry	day	2.00	306.00	612.00
0114	Beldar	day	2.00	306.00	612.00
9999	Sundries (Miscellaneous tools and liftinslings)	L.S.	500.00	2.12	1060.00
	TOTAL				15595.08 W
	Add 1 % Water charges on "W"				155.95
	TOTAL				15751.03 X
	Add GST on "X" (multiplying factor 0.1405)				2213.02
	TOTAL				17964.05
	Add 15% CPOH on "Y"				2694.61 Y
	TOTAL				20658.66
	Add Cess @ 1% on "Z"				206.59 Z
	Cost for 150 Sqm				20865.24
	Cost of 1 Sqm				139.10
	Say				139.10
26.77.2	Prestressed hollow core slab above 200 mm up to 400 mm thickness				
	Detail of cost for 120 Sqm.				
	Length of element can be more than 8.00 metre and upto 14.00 metres.				
0067	Cost for crane upto 80 tonne capacity	day	1.00	15000.00	15000.00
9999	Hire charges of props & Misc	L.S.	347.00	2.12	735.64
0070	Genrator hiring 100kva	hour	8.00	300.00	2400.00



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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Labour cost for erection				
0111	Carpenter 1st class	day	1.00	413.00	413.00
0112	Carpenter 2nd class	day	2.00	369.00	738.00
0116	Fitter (grade 1)	day	2.00	420.00	840.00
0130	Mistry	day	2.00	306.00	612.00
0114	Beldar	day	2.00	306.00	612.00
9999	Sundries (Miscellaneous tools and lifting slings)	L.S.	500.00	2.12	1060.00
	TOTAL				22410.64 W
	Add 1 % Water charges on "W"				224.11
	TOTAL				22634.75 X
	Add GST on "X" (multiplying factor 0.1405)				3180.18
	TOTAL				25814.93
	Add 15% CPOH on "Y"				3872.24 Y
	TOTAL				29687.17
	Add Cess @ 1% on "Z"				296.87 Z
	Cost for 120 Sqm				29984.04
	Cost of 1 Sqm				249.87
	Say				249.90
26.77.3	Solid concrete wall elements				
0072	Detail of cost for 18 Cum. / Day Considering volume of different type of elements wall elements = 15 cum (13 nos) Beams / portal = 3 cum (02 nos) Total no of elements = 15 nos Cost for crane (50 MT) duration 01 day	day	1.00	8500.00	8500.00
9999	Shifting of elements	L.S.	434.00	2.12	920.08
9999	Hire charges of props & Misc for 3 days (3x3 = 9 / pc)	L.S.	780.00	2.12	1653.60
1027	Erection Bolts (Minimum 04 nos for each element)				
0070	Genrator hiring 100kva labour cost	hour	8.00	300.00	2400.00
0L14	forman	day	2.00	520.00	1040.00
0112	Carpenter 2nd class	day	2.00	369.00	738.00
0116	fitter (grade1)	day	2.00	420.00	840.00
0130	mistry	day	3.00	306.00	918.00
0L37	rigger	day	2.00	373.00	746.00
0114	beldar	day	8.00	306.00	2448.00
9999	Scaffolding, hire charge of drill machine etc.	L.S.	500.00	2.12	1060.00
9999	Sundries (Miscellaneous tools and lifting slings)	L.S.	500.00	2.12	1060.00
	TOTAL				23823.68 W
	Add 1 % Water charges on "W"				238.24
	TOTAL				24061.92 X
	Add GST on "X" (multiplying factor 0.1405)				3380.70
	TOTAL				27442.62
	Add 15% CPOH on "Y"				4116.39 Y
	TOTAL				31559.01
	Add Cess @ 1% on "Z"				315.59 Z
	Cost for 18 cum				31874.60
	Cost of 1 cum				1770.81
	Say				1770.80
26.78	Providing & Applying weather proof sealant on outer joints of approved make confirming to IS & directed by Engineer-in-charge.				
26.78.1	Sealant 25mmx10mm at joints Detail of material required for = 1.00 metre including 5 % wastage				
8646	Silicon sealant (including 5% wastage)	cartridge	0.87	112.00	97.44

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8654	Masking tape	metre	2.00	2.18	4.36
9999	Scaffolding, hire charge etc.	L.S.	2.87	2.12	6.08
9999	Sundries	L.S.	2.87	2.12	6.08
	TOTAL				113.97 W
	Add 1 % Water charges on "W"				1.14
	TOTAL				115.11 X
	Add GST on "X" (multiplying factor 0.1405)				16.17
	TOTAL				131.28
	Add 15% CPOH on "Y"				19.69 Y
	TOTAL				150.97
	Add Cess @ 1% on "Z"				1.51 Z
	Cost of 1 metre				152.48
	say				152.50
26.79	Providing & Laying of levelling sim pads required sizes (5x5cm to 10x10cm) of PVC / Rubber to adjust level of bearing surface of supporting members as per the direction of Engineer in charge.				
26.79.1	2mm thick				
Code	Description	Unit	Quantity	Rate	Amount
	Detail of cost for 100 nos MATERIAL				
0246	2 mm thick sim pad	each	100.00	10.00	1000.00
9977	Carriage of material	L.S.	5.00	2.12	10.60
	LABOUR				
0116	Fitter (Grade-1)	day	1.00	420.00	420.00
9999	Sundries	L.S.	10.00	2.12	21.20
	TOTAL				1451.80 W
	Add 1 % Water charges on "W"				14.52
	TOTAL				1466.32 X
	Add GST on "X" (multiplying factor 0.1405)				206.02
	TOTAL				1672.34
	Add 15% CPOH on "Y"				250.85 Y
	TOTAL				1923.19
	Add Cess @ 1% on "Z"				19.23 Z
	Cost for 100 Nos				1942.42
	Cost of each				19.42
	Say				19.40
26.79.2	5 mm thick				
	Detail of cost for 100 nos MATERIAL				
0247	5 mm thick sim pad	each	100.00	15.00	1500.00
9977	Carriage of material	L.S.	5.00	2.12	10.60
	LABOUR				
0116	Fitter (Grade-1)	day	1.00	420.00	420.00
9999	Sundries	L.S.	10.00	2.12	21.20
	TOTAL				1951.80 W
	Add 1 % Water charges on "W"				19.52
	TOTAL				1971.32 X
	Add GST on "X" (multiplying factor 0.1405)				276.97
	TOTAL				2248.29
	Add 15% CPOH on "Y"				337.24 Y
	TOTAL				2585.53
	Add Cess @ 1% on "Z"				25.86 Z
	Cost for 100 Nos				2611.39
	Cost of each				26.11
	say				26.10
26.79.3	10 mm thick				
0248	Detail of cost for 100 nos MATERIAL	each	100.00	25.00	2500.00
	10 mm thick sim pad				









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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
9977	Carriage of material LABOUR	L.S	5.00	2.12	10.60
0116	Fitter (Grade-1)	day	1.00	420.00	420.00
9999	Sundries	LS	10.00	2.12	21.20
	TOTAL				2951.80 W
	Add 1 % Water charges on "W"				29.52
	TOTAL				2981.32 X
	Add GST on "X" (multiplying factor 0.1405)				418.88
	TOTAL				3400.19
	Add 15% CPOH on "Y"				510.03 Y
	TOTAL				3910.22
	Add Cess @ 1% on "Z"				39.10 Z
	Cost for 100 Nos				3949.32
	Cost of each				39.49
	say				39.50
26.80	Providing & Grouting of dowel tubes / Shear keys / Joints of precast members with M-60 grade cementitious grout (Non Shrink) of approved make by suitable means (Free flowing /pump),curing etc. Complete as per directions of Engineer- in-charge. (The payment shall be made on the basis of actual weight of approved grout injected.)				
26.80.1	Stirrer mixed cementitious grout (non shrink) of approved make in dowel tubes / Shear keys / Joints of precast members.				
1251	Detail of cost for 250 kgs non shrink cementitious grout including 5 % wastage M-60 grade cementitious grout (Non Shrink)	kg	262.5	28.00	7350.00
2209	Carriage of cementitious material	tonne	0.25	145.72	36.43
9999	Grouting charges of Stirrer mixed cementitious grout, rubber, pipe and other accessories hire charges of plant, machinery including necessary fuel and transportation of site LABOUR	L.S.	2250.00	2.12	4770.00
0122	Mason (for plaster of paris work) 1st class	day	1.00	413.00	413.00
0155	Masson (Average)	day	1.00	369.00	369.00
0161	Helper (Technician)	day	1.00	306.00	306.00
	TOTAL				13244.43 W
	Add 1 % Water charges on "W"				132.44
	TOTAL				13376.87 X
	Add GST on "X" (multiplying factor 0.1405)				1879.45
	TOTAL				15256.33
	Add 15% CPOH on "Y"				2288.45 Y
	TOTAL				17544.77
	Add Cess @ 1% on "Z"				175.45 Z
	Cost for 250 Kgs				17720.22
	Cost of 1 Kg				70.88
	Say				70.90








Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.81	Providing and fixing Scaffolding net of required width made of high density Polyethylene UV stabilized knitted on warp knitting machines having density 100gm/sqm and shading coefficient minimum 75% around the construction site/ for vertical extension as per requirement including fastening/tying with building/ scaffolding pipes or with any other fixtures etc. complete as per direction of Engineer-in-Charge. (One time payment shall be made for providing Scaffolding net from start of work till completion of work including shifting if any. The Scaffolding net shall be the property of the contractor on completion of the work)				
	Detail of cost for 300 sqm.				
	MATERIALS:				
8761A	Scaffolding net made of high density Polyethylene UV stabilized having density 100gm/sqm	sqm	300.00	22.00	6600 P
9999	Carriage	L.S.	3.00	2.12	6.36
	Less Salvage value taken 25% on (P)				-1650.00
	LABOUR:				
0114	Beldar	day	1.00	306.00	306.00
9999	Sundries for tying the net	L.S.	10.00	2.12	21.20
	Total				5283.56 W
	Add 1% for water charges				52.84
	Total				5336.40 X
	Add GST @ 12% on "X" (multiplying factor 0.1405)				749.76
	Total				6086.16
	Add CPOH @ 15% on "Y"				912.92 Y
	Total				6999.08
	Add Cess @ 1% on "Z"				69.99 Z
	Cost of 300 Sqm.				7069.07
	Cost of 1 Sqm.				23.56
	Say				23.60
26.82	Providing and laying rigid EPS (cellular plastic material) blocks conforming to ASTM standards/specifications of minimum density 21.60 Kg/cum on floors, steps, stage etc. of required size and shape as per direction of the Engineer-in-Charge. This shall include the following operation.				
	The EPS blocks shall be cut to required shape and sizes including cuttings for passing of services, joined together with synthetic resin adhesives as per relevant specifications and packed/placed in position for stepped floor or platform formation. The top and sides surfaces to be provided with GI woven wire mesh of aperture 5.45 mm (with wire dia 0.90 mm) secured to EPS blocks with wire pins/clips. Horizontal top surface to be provided with 20 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate upto 6mm chippings) and vertical surface to be provided with 12mm cement plaster 1:4 (1 cement : 4 coarse sand). The concrete/plastered surfaces so prepared shall be scratched with wire brushes to form burrs, so as to act as base for flooring or veneering/panelling to be done later as per approved design (which shall be paid for separately complete as per direction of the Engineer-in-Charge.				











Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Details of cost for a Lecture Hall of area 8.40 x 16.00 = 134.40 Sqm Assuming stepped floor for a Lecture Hall having 8 rows and each row by 100mm higher than the previous one. (Assuming 8 rows 1.50 meter wide and four columns also 1.5 meter wide with 1.2 meter wide passage between row 1 and 2, 3 and 4 and front lecturer pedestrian. Material EPS blocks in sizes of = 1.20x1.20x0.10 m 8.40 m x 12 m x 0.45 m = 45.90 cum 8.40 m x 3 m x 0.15 m = 3.78 cum 49.68 cum • Say = 50.00 cum 50 cum @ 21.60 Kg/cum. Total= 1080.00 kg				
5744	EPS blocks	kg	1080.00	150.00	162000.00
	GI woven wire mesh of aperture 5.45 mm (with wire of dia 0.90 mm) = 134.40 sqm + 13.60 sqm = 150.00 sqm @ 1.61 Kg/sqm. Total= 241.50 kgs				
5745	GI woven wire mesh of aperture 5.45 mm (with wire of dia 0.90 mm) Total surface area to be joined 504 sqm considering 1/6th area for adhesive i.e. 84 sqm @ 100 Gm/sqm. Total = 8.50 kgs	kg	241.50	60.00	14490.00
5746	SR adhesive for joining EPS blocks	kg	8.50	180.00	1530.00
9999	Wire pins/clips to secure IRC mesh to EPS blocks	LS	675.00	2.12	1431.00
	T&P sundries i/c cutting tools etc	LS	340.00	2.12	720.80
	Labour:- For cutting arranging & packing the EPS blocks in position including jointing with SR adhesive and making arranging/cutting for fixing of services and fixing IRC welded mesh to EPS blocks				0.00
0156	Fitter/Carpenter (average)	day	2.00	369.00	738.00
0114	Beldar		1.00	306.00	306.00
	Cement concrete 1:2:4 (1 cement : 2 cement sand : 4 graded stone clippings upto 6 mm size) 134.4x0.025 = 3.36 cum				
4.1.3	Rate as per item no 4.1.3 SH:4 (Cement Concrete) 12mm cement plaster 1:4 (1 cement : 4 coarse sand)	cum	3.36	3998.12	13433.67 A
13.4.1	Rate as per item no 13.4.1 SH:13 (Finishing)	sqm	9.24	152.91	1412.89 A
0155	Mason (average) for making burrs	day	1	369.00	369.00
	Total				196431.36 W
	Add 1 % Water charges on "W-A"				1815.85
	TOTAL				198247.21 X
	Add GST on "X-A" (multiplying factor 0.1405)				25767.79
	TOTAL				224015.00
	Add 15% CPOH on "Y-A"				31375.27 Y
	TOTAL				255390.26
	Add Cess @ 1% on "Z-A"				2405.44 Z
	Cost of 134.40 sqm				257795.70
	Cost of 1 sqm				1918.12
	Say				1918.10



Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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26.83 Applying stamping finish to the top surface of freshly laid plain/reinforced cement concrete of specified grade in porticos, sidewalks, driveways, pool decks and open yards as per direction of the Engineer-in-Charge. The process shall include the following:•

The concrete shall be placed and screeded to the finished grade, and floated to a uniform surface by using standard finishing techniques. The approved color hardener@ 2.7 kg/sqm shall be applied evenly to the surface of the fresh concrete by the dry shake method by sprinkling in two or more shakes, floated after each shake and trowelled only after the final floating. The approved release agent @ 0.113 kg/sqm shall be applied evenly to the trowelled surface before stamping or the said release agent can be applied to the flexible polyurethane stamp moulds of approved design and in required sizes to achieve final stamped pattern. These stampings shall be placed on the surface of concrete in three to four pieces at a time and tapped gently with rammers of sufficient size & weight to leave proper stamp marks and the process repeated for the remaining concrete surface till the whole surface to be stamped is completed within the time while concrete is in plastic stage of setting.

After stamping, the curing shall be done as per manufactures specifications. After initial curing the imprinted joints shall be grouted using cement slurry mixed with color hardener as per the requirement. The surface shall be sealed by applying acrylic based sealer not less than 0.167 litre/sqm on finished surface.

The construction joints shall be provided by groove cutting of size 4mm x 20mm in panel size 3m x 3 m or lesser as per the site conditions and filling the same with 10 mm baker rod and providing and laying (PU) Polyurethane based joint sealer of approved make as per manufacturer's specifications and finished by applying Polyurethane resin based top protective clear coat of minimum 80 micron applied with rollers on properly cured and dry clean surface. (Cost of concrete for flooring is not included in this item which shall be paid separately.)

Details of cost for 100 Sqm

Material

7224	Concrete hardener	Kg	297.00	20.00	5940.00
7225	Release agent	litres	1.35	200.00	270.00
7226	Sealer	Kg	17.50	260.00	4550.00
7227	PU resin top coat	Kg	23.00	225.00	5175.00
9999	T&P like toilers of various sizes dewatering machines i/c floaters and suckers, brushes and water jet etc. (rentals only) Labour for spreading/sprinkling the floor hardeners, floating, trowelling, spreading the release agent, stamp molds, tapping of molds into concrete shifting of molds for repeat process, grouting the joints and applying sealers finishing etc.	L.S.	6000.00	2.12	12720.00

0169	Specialized technicians	day	6.00	531.00	3186.00
0124	Assistant/Operators (Second Class Mason)	day	6.00	369.00	2214.00
0123	Mason 1st class for grouting repairs & applying sealer etc.	day	2.00	413.00	826.00
0131	Painter	day	1.00	391.00	391.00
0114	Helper/Beldar	day	10.00	306.00	3060.00
9999	Sundries for grouts pigments etc.	LS.	500.00	2.12	1060.00

Total 39392.00 W

Add 1 % Water charges on "W" 393.92

TOTAL 39785.92 X

Add GST on "X" (multiplying factor 0.1405) 5589.92

TOTAL 45375.84

Add 15% CPOH on "y" 6806.38 Y

TOTAL 52182.22

Add Cess@ 1% on "Z" 521.82 Z

Cost of 100 sqm 52704.04













Cost of 1 sqm 527.04

Say **527.00**

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










Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.84	Supplying and laying of Uni-Axial Woven Polyester Geogrid conforming to MORTH 3100 and IRC 113, as soil reinforcement/ basal reinforcement including accessories like tie-strips, nuts & bolts and loops/lugs for joining reinforcing elements with the fascia panels, overlaps and other protective elements for synthetic geo-grids and all other activities required for reinforced soil walls, slopes etc complete as per design requirements, manufacturer specifications and as per direction of engineer-in-charge,				
26.84.1	Uni Axial Woven polyester geogrid of minimum tensile strength 40KN/m in the Longitudinal direction and 20 KN/m in the Transverse direction				
	Details of Cost for 300 Sqm.				
	MATERIALS:				
8979	Uni Axial Woven polyester geogrid of minimum tensile strength 40KN/m in the Longitudinal direction and 20 KN/m in the Transverse direction	sqm	300.00	139.00	41700.00 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the fascia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation. i.e 5% of (P)				2085.00
	LABOUR:				
0128	Mate	day	0.36	325.00	117.00
0114	Beldar	day	6.00	306.00	1836.00
0139	Skilled Beldar	day	3.00	369.00	1107.00
	Total				46845.00 W
	Add 1% water charges on "W"				468.45
	Total				47313.45 X
	add GST on "X" (multiplying factor 0.1405)				6647.54
	Total				53960.99
	Add 15% CPOH on "y"				8094.15 Y
	Total				62055.14
	Add Cess@ 1% on "Z"				620.55 Z
	cost of 300 sqm				62675.69
	Cost of 1 sqm				208.92
	Say				208.90
26.84.2	Uni Axial Woven polyester geogrid of minimum tensile strength 60KN/m in the Longitudinal direction and 20 KN/m in the Transverse direction.				
	Details of Cost for 300 Sqm				
	MATERIALS				
8980	Uni Axial Woven polyester geogrid of minimum tensile strength 60KN/m in the Longitudinal direction and 20 KN/m in the Transverse direction.	sqm	300	161.00	48300 p
	Add 5 percent of the cost of reinforcing Elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the fascia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect of (P) including transportation i.e. 5%				2415
	LABOUR				
0128	Mate	day	0.36	325.00	117

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				53775 W
	Add 1% water charges on "W"				537.75
	Total				54312.75 X
	add GST on "X" (multiplying factor 0.1405)				7630.94
	Total				61943.69
	Add 15% CPOH on "y"				9291.55 Y
	Total				71235.25
	Add Cess@ 1% on "Z"				712.35 Z
	cost of 300 sqm				71947.60
	Cost of 1 sqm				239.83
	Say				239.80
26.84.3	Uni Axial Woven polyster geogrid of minimum tensile strength 80 KN/min the Longitudinal direction and 30 KN/min the Transverse direction .				
	Details of Cost for 300 Sqm				
	MATERIALS:				
8981	Uni Axial Woven polyster geogrid of minimum tensile strength 80 KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	300	205.00	61500 p
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lungs for joining reinforcing elements with the fascia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation i.e. 5% of (P)				3075
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				67635 W
	Add 1% water charges on "W"				676.35
	Total				68311.35 X
	add GST on "X" (multiplying factor 0.1405)				9597.74
	Total				77909.09
	Add 15% CPOH on "y"				11686.36 Y
	Total				89595.46
	Add Cess@ 1% on "Z"				895.95 Z
	cost of 300 sqm				90491.41
	Cost of 1 sqm				301.64
	Say				301.60
26.84.4	Uni Axial Woven polyster geogrid of minimum tensile strength 1 00KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction				
	Details of Cost for 300 Sqm				
	MATERIALS:				
8982	Uni Axial Woven polyster geogrid of minimum tensile strength 1 00KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	300	237.00	71100 p













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lungs for joining reinforcing elements with the facia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation i.e. 5% of (P)				3555
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				77715 W
	Add 1% water charges on "W"				777.15
	Total				78492.15 X
	add GST on "X" (multiplying factor 0.1405)				11028.15
	Total				89520.30
	Add 15% CPOH on "y"				13428.04 Y
	Total				102948.34
	Add Cess@ 1% on "Z"				1029.48 Z
	cost of 300 sqm				103977.83
	Cost of 1 sqm				346.59
	Say				346.60
26.84.5	Uni Axial Woven polyster geogrid of minimum tensile strength 120KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction				
	Details of Cost for 300 Sqm.				
	MATERIALS				
8983	Uni Axial Woven polyster geogrid of minimum tensile strength 120KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	300	254.00	76200 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lungs for joining reinforcing elements with the facia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation i.e. 5% of (P)				3810
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				83070 W
	Add 1% water charges on "W"				830.70
	Total				83900.70 X
	add GST on "X" (multiplying factor 0.1405)				11788.05
	Total				95688.75
	Add 15% CPOH on "y"				14353.31 Y
	Total				110042.06
	Add Cess@ 1% on "Z"				1100.42 Z
	cost of 300 sqm				111142.48
	Cost of 1 sqm				370.47
	Say				370.50

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.84.6	Uni Axial Woven polyster geogrid of minimum tensile strength 150KN/m in the Longitudina direction and 30 KN/m in the Transverse direction.				
	Details of Cost for 300 Sqm.				
	MATERIALS				
8984	Uni Axial Woven polyster geogrid of minimum tensile strength 150KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	300	319.00	95700 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lungs for joining reinforcing elements with the facia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation. i.e 5% of (P)				4785
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				103545 W
	Add 1% water charges on "W"				1035.45
	Total				104580.45 X
	add GST on "X" (multiplying factor 0.1405)				14693.55
	Total				119274.00
	Add 15% CPOH on "y"				17891.10 Y
	Total				137165.10
	Add Cess@ 1% on "Z"				1371.65 Z
	cost of 300 sqm				138536.75
	Cost of 1 sqm				461.79
	Say				461.80
26.84.7	Uni Axial Woven polyster geogrid of minimum tensile strength 200KN/m mn the Longitudinal direction and 30 KN/m in the Transverse direction				
	Details of Cost for 300 Sqm.				
	MATERIALS				
8985	Uni Axial Woven polyster geogrid of minimum tensile strength 200KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.	sqm	300	375.00	112500 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lungs for joining reinforcing elements with the facia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect i.e. 5% of (P) including transportation				5625
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				121185 W
	Add 1% water charges on "W"				1211.85
	Total				122396.85 X

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	add GST on "X" (multiplying factor 0.1405)				17196.76
	Total				139593.61
	Add 15% CPOH on "y"				20939.04 Y
	Total				160532.65
	Add Cess@ 1% on "Z"				1605.33 Z
	cost of 300 sqm				162137.98
	Cost of 1 sqm				540.46
	Say				540.50
26.84.8	Uni Axial Woven polyster geogrid of minimum tensile strength 250KN/m in the Longitudinal direction and 30 KN/m in the Transverse direction.				
	Details of Cost for 300 Sqm.				
	MATERIALS				
8986	Uni Axial Woven polyster geogrid of minimum tensile strength 250KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	300	458.00	137400 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops /lungs for joining reinforcing elements with the facia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation. i.e 5% of (P)				6870
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				147330 W
	Add 1% water charges on "W"				1473.30
	Total				148803.30 X
	add GST on "X" (multiplying factor 0.1405)				20906.86
	Total				169710.16
	Add 15% CPOH on "y"				25456.52 Y
	Total				195166.69
	Add Cess@ 1% on "Z"				1951.67 Z
	cost of 300 sqm				197118.36
	Cost of 1 sqm				657.06
	Say				657.10
26.84.9	Uni Axial Woven polyster geogrid of minimum tensile strength 300KN/m in the Longitudinal direction and 30 KN/min the Transverse direction.				
	Details of Cost for 300 Sqm.				
	MATERIALS:				
8987	Uni Axial Woven polyster geogrid of minimum tensile strength 300KN/m in the Longitudinal direction and 30KN/m in the Transverse direction.	sqm	300	529.00	158700 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lungs for joining reinforcing elements with the facia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation i.e. 5% of (P)				7935
	LABOUR				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				169695 W
	Add 1% water charges on "W"				1696.95
	Total				171391.95 X
	add GST on "X" (multiplying factor 0.1405)				24080.57
	Total				195472.52
	Add 15% CPOH on "y"				29320.88 Y
	Total				224793.40
	Add Cess@ 1% on "Z"				2247.93 Z
	cost of 300 sqm				227041.33
	Cost of 1 sqm				756.80
	Say				756.80
26.85	Supplying and laying of Bi-Axial Woven Polyester Geogrid conforming to MORTH 3100 and IRC 13, as soil reinforcement/basal reinforcement of granular road base and sub base, area stabilization, track bed stabilization, load transfer platforms including accessories like tie-strips, nuts & bolts and loops/lugs for joining reinforcing elements with the fascia panels, overlaps and other protective elements for synthetic geo-grids and all other activities required etc. complete as per design requirements, manufacturer specifications and as per direction of engineer-in-charge.				
26.85.1	Bi Axial Woven polyester geogrid of minimum tensile strength 20KN/m in both Longitudinal and Transverse direction.				
	Details of Cost for 300 Sqm.				
	MATERIALS:				
8988	Uni Axial Woven polyester geogrid of minimum tensile strength 20KN/m in both Longitudinal and Transverse direction.	sqm	300	114.00	34200 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the fascia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation i.e. 5% of (P)				1710
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				38970 W
	Add 1% water charges on "W"				389.70
	Total				39359.70 X
	add GST on "X" (multiplying factor 0.1405)				5530.04
	Total				44889.74
	Add 15% CPOH on "y"				6733.46 Y
	Total				51623.20
	Add Cess@ 1% on "Z"				516.23 Z
	cost of 300 sqm				52139.43
	Cost of 1 sqm				173.80
	Say				173.80
26.85.2	Bi Axial Woven polyester geogrid of minimum tensile strength 40KN/m in both Longitudinal and Transverse direction				
	Details of Cost for 300 Sqm.				
	MATERIALS:				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
8989	Bi Axial Woven polyster geogrid of minimum tensile strength 40KN/m in both Longitudinal and Transverse direction	sqm	300	173.00	51900 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops/ lungs for joining reinforcing elements with the facia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation i.e. 5% of (P)				2595
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				57555 W
	Add 1% water charges on "W"				575.55
	Total				58130.55 X
	add GST on "X" (multiplying factor 0.1405)				8167.34
	Total				66297.89
	Add 15% CPOH on "y"				9944.68 Y
	Total				76242.58
	Add Cess@ 1% on "Z"				762.43 Z
	cost of 300 sqm				77005.00
	Cost of 1 sqm				256.68
	Say				256.70
26.85.3	Bi Axial Woven polyster geogrid of minimum tensile strength 60KN/m in both Longitudinal and Transverse direction				
	Details of Cost for 300 Sqm.				
	MATERIALS:				
8990	Bi Axial Woven polyster geogrid of minimum tensile strength 60KN/m in both Longitudinal and Transverse direction.	sqm	300	223.00	66900 P
	Add 5 percent of the cost of reinforcing elements geogrid for wastage and accessories like tie-strips, nuts and bolts and loops /lungs for joining reinforcing elements with the facia panels, overlaps and other protective elements for geogrid and all other activities required to complete the item in all respect including transportation i.e. 5% of (P)				3345
	LABOUR				
0128	Mate	day	0.36	325.00	117
0114	Beldar	day	6	306.00	1836
0139	Skilled Beldar	day	3	369.00	1107
	Total				73305 W
	Add 1% water charges on "W"				733.05
	Total				74038.05 X
	add GST on "X" (multiplying factor 0.1405)				10402.35
	Total				84440.40
	Add 15% CPOH on "y"				12666.06 Y
	Total				97106.46
	Add Cess@ 1% on "Z"				971.06 Z
	cost of 300 sqm				98077.52
	Cost of 1 sqm				326.93
	Say				326.90

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
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26.86 Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm, modulus of elasticity 900 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for Separately).

Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e. depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.

26.86.1 Frame size 45 x 70 mm

Details of cost door frame/chowkhat of size
1.00 x 2.10 mtr. (1.00+2.10+2.10=5.20 mtr.)

MATERIAL

5747	Factory made single extruded WPC (Wood' Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat including carriage of frame Frame size 45 x 70 mm	metre	5.2	375.00	1950
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LABOUR

For fabrication and fixing in position

0156	Carpenter(average)	day	0.1	369.00	36.9
0155	Mason (average)	day	0.17	369.00	62.73
0114	Beldar	day	0.44	306.00	134.64
9999	Sundries includes PVC solvent cement and SS screws etc.	L.S.	10	2.12	21.2

Total

2205.47 W

Add 1% water charges on "W"

22.05

Total

2227.52 X

add GST on "X" (multiplying factor 0.1405)

312.97

Total

2540.49

Add 15% CPOH on "y"

381.07 Y

Total

2921.57

Add Cess@ 1% on "Z"

29.22 Z

cost of 5.2 Mtr

2950.78

cost of 1 Mtr

567.46

Say

567.50

26.86.2 Frame size 45 x 85 mm

Details of cost door frame/chowkhat of size
1.00 x 2.10 mtr. (1.00+2.10+2.10=5.20 mtr.)

MATERIAL

5748	Factory made single extruded WPC (Wood' Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat including carriage of frame Frame size 45 x 85 mm	metre	5.2	525.00	2730
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LABOUR

For fabrication and fixing in position

0156	Carpenter(average)	day	0.1	369.00	36.9
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










BCD/SOR_11th Edition_2022

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Mason (average)	day	0.17	369.00	62.73
0114	Beldar	day	0.44	306.00	134.64
9999	Sundries includes PVC solvent cement and SS screws etc.	L.S.	10	2.12	21.2
	Total				2985.47 W
	Add 1% water charges on "W"				29.85
	Total				3015.32 X
	add GST on "X" (multiplying factor 0.1405)				423.65
	Total				3438.98
	Add 15% CPOH on "y"				515.85 Y
	Total				3954.82
	Add Cess@ 1% on "Z"				39.55 Z
	cost of 5.2 Mtr				3994.37
	cost of 1 Mtr				768.15
	Say				768.10
26.86.3	Frame size 50 x 100 mm				
	Details of cost door frame/chowkhat of size 1.00 x 2.10 mtr. (1.00+2.10+2.10=5.20 mtr.)				
	MATERIAL				
5749	Factory made single extruded WPC (Wood' Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat including carriage of frame	metre	5.2	540.00	2808
	Frame size 50 x 100 mm				
	LABOUR				
	For fabrication and fixing in position				
0156	Carpenter(average)	day	0.1	369.00	36.9
0155	Mason (average)	day	0.17	369.00	62.73
0114	Beldar	day	0.44	306.00	134.64
9999	Sundries includes PVC solvent cement and SS screws etc.	L.S.	10	2.12	21.2
	Total				3063.47 W
	Add 1% water charges on "W"				30.63
	Total				3094.10 X
	add GST on "X" (multiplying factor 0.1405)				434.72
	Total				3528.83
	Add 15% CPOH on "y"				529.32 Y
	Total				4058.15
	Add Cess@ 1% on "Z"				40.58 Z
	cost of 5.2 Mtr				4098.73
	cost of 1 Mtr				788.22
	Say				788.20
26.86.4	Frame size 50 x 125 mm				
	Details of cost door frame/chowkhat of size 1.00 x 2.10 mtr. (1.00+2.10+2.10=5.20 mtr.)				
	MATERIAL				
5750	Factory made single extruded WPC (Wood' Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat including carriage of frame	metre	5.2	630.00	3276
	Frame size 50 x 125 mm				
	LABOUR				
	For fabrication and fixing in position				
0156	Carpenter(average)	day	0.1	369.00	36.9

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0155	Mason (average)	day	0.17	369.00	62.73
0114	Beldar	day	0.44	306.00	134.64
9999	Sundries includes PVC solvent cement and SS screws etc.	L.S.	10	2.12	21.2
	Total				3531.47 W
	Add 1% water charges on "W"				35.31
	Total				3566.78 X
	add GST on "X" (multiplying factor 0.1405)				501.13
	Total				4067.92
	Add 15% CPOH on "y"				610.19 Y
	Total				4678.11
	Add Cess@ 1% on "Z"				46.78 Z
	cost of 5.2 Mtr				4724.89
	cost of 1 Mtr				908.63
	Say				908.60
26.86.5	Frame size 65 x 100 mm				
	Details of cost door frame/chowkhat of size 1.00 x 2.10 mtr. (1.00+2.10+2.10=5.20 mtr.)				
	MATERIAL				
5751	Factory made single extruded WPC (Wood' Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat including carriage of frame	metre	5.2	650.00	3380
	Frame size 65 x 150 mm				
	LABOUR				
	For fabrication and fixing in position				
0156	Carpenter(average)	day	0.1	369.00	36.9
0155	Mason (average)	day	0.17	369.00	62.73
0114	Beldar	day	0.44	306.00	134.64
9999	Sundries includes PVC solvent cement and SS screws etc.	L.S.	10	2.12	21.2
	Total				3635.47 W
	Add 1% water charges on "W"				36.35
	Total				3671.82 X
	add GST on "X" (multiplying factor 0.1405)				515.89
	Total				4187.72
	Add 15% CPOH on "y"				628.16 Y
	Total				4815.87
	Add Cess@ 1% on "Z"				48.16 Z
	cost of 5.2 Mtr				4864.03
	cost of 1 Mtr				935.39
	Say				935.40
26.86.6	Frame size 65 x 125 mm				
	Details of cost door frame/chowkhat of size 1.00 x 2.10 mtr. (1.00+2.10+2.10=5.20 mtr.)				
	MATERIAL				
5752	Factory made single extruded WPC (Wood' Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat including carriage of frame	metre	5.2	835.00	4342
	Frame size 65 x 125 mm				
	LABOUR				
	For fabrication and fixing in position				
0156	Carpenter(average)	day	0.1	369.00	36.9
0155	Mason (average)	day	0.17	369.00	62.73

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.44	306.00	134.64
9999	Sundries includes PVC solvent cement and SS screws etc.	L.S.	10	2.12	21.2
	Total				4597.47 W
	Add 1% water charges on "W"				45.97
	Total				4643.44 X
	add GST on "X" (multiplying factor 0.1405)				652.40
	Total				5295.85
	Add 15% CPOH on "y"				794.38 Y
	Total				6090.23
	Add Cess@ 1% on "Z"				60.90 Z
	cost of 5.2 Mtr				6151.13
	cost of 1 Mtr				1182.91
	Say				1182.90
26.86.7	Frame size 65 x 150 mm Details of cost door frame/chowkhat of size 1.00 x 2.10 mtr. (1.00+2.10+2.10=5.20 mtr.)				
	MATERIAL				
5753	Factory made single extruded WPC (Wood' Polymer Composite) solid door/window, clerestory windows & other Frames/Chowkhat including carriage of frame Frame size 65 x 150 mm	metre	5.2	1010.00	5252
	LABOUR				
	For fabrication and fixing in position				
0156	Carpenter(average)	day	0.1	369.00	36.9
0155	Mason (average)	day	0.17	369.00	62.73
0114	Beldar	day	0.44	306.00	134.64
9999	Sundries includes PVC solvent cement and SS screws etc.	L.S.	10	2.12	21.2
	Total				5507.47 W
	Add 1% water charges on "W"				55.07
	Total				5562.54 X
	add GST on "X" (multiplying factor 0.1405)				781.54
	Total				6344.08
	Add 15% CPOH on "y"				951.61 Y
	Total				7295.69
	Add Cess@ 1% on "Z"				72.96 Z
	cost of 5.2 Mtr				7368.65
	cost of 1 Mtr				1417.05
	Say				1417.00
26.87	Providing and fixing factory made single extruded WPC {Wood Polymer Composite} solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers {wood powder/ rice husk/wheat husk} and non toxic additives {maximum toxicity index of 12 for 100 gms} having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N {Face} & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. {Note: stainless steel butt hinges and necessary S.S screws shall be paid separately}				
26.87.1	30 mm thick Details of cost for door shutter of size 2.20 sqm.				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
5754	MATERIAL Factory made single extruded WPC {Wood Polymer Composite) solid plain flush door shutter 30mm thick	Sqm	2.2	2800.00	6160
9997	Carriage of door shutter LABOUR For fixing shutter	LS.	29.64	2.12	62.8368
0156	Carpenter{average)	day	0.2	369.00	73.8
0114	Beldar	day	0.2	306.00	61.2
	Total				6357.8368 W
	Add 1% water charges on "W"				63.58
	Total				6421.42 X
	add GST on "X" (multiplying factor 0.1405)				902.21
	Total				7323.62
	Add 15% CPOH on "y"				1098.54 Y
	Total				8422.17
	Add Cess@ 1% on "Z"				84.22 Z
	cost of 2.2 sqm				8506.39
	Cost of 1 sqm				3866.54
	Say				3866.50
26.87.2	35 mm thick Details of cost for door shutter of size 2.20 sqm.				
	MATERIAL				
5755	Factory made single extruded WPC {Wood Polymer Composite) solid plain flush door shutter 35 mm thick	Sqm	2.2	3250.00	7150
9977	Carriage of door shutter LABOUR For fixing shutter	L.S	29.64	2.12	62.8368 0
0156	Carpenter{average)	day	0.2	369.00	73.8
0114	Beldar	day	0.2	306.00	61.2
	Total				7347.8368 W
	Add 1% water charges on "W"				73.48
	Total				7421.32 X
	add GST on "X" (multiplying factor 0.1405)				1042.69
	Total				8464.01
	Add 15% CPOH on "y"				1269.60 Y
	Total				9733.61
	Add Cess@ 1% on "Z"				97.34 Z
	cost of 2.2 sqm				9830.95
	Cost of 1 sqm				4468.61
	Say				4468.60
26.88	Providing and fixing factory made single extruded WPC {Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers {wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm', modulus of elasticity 850 N/mm' and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk 5.5 screws, all as per direction of Engineer-In- Charge. {Note: stainless steel butt hinges and necessary 5.5 screws shall be paid separately)				

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.88.1	30 mm thick Details of cost for door shutter of size 2.20 sqm. MATERIAL				
5754	Factory made single extruded WPC {Wood Polymer Composite) solid plain flush door shutter 30 mm thick	sqm	2.2	2800.00	6160
5761	PVC laminated foil of minimum thickness of 14 microns of approved design	sqm	4.4	125.00	550
9977	Carriage of door shutter LABOUR For pasting PVC laminated foil to door shutter and fixing door shutter at position	L.S.	29.64	2.12	62.8368
0156	Carpenter{average)	day	0.2	369.00	73.8
0114	Beldar	day	0.2	306.00	61.2
	Total				6907.8368 W
	Add 1% water charges on "W"				69.08
	Total				6976.92 X
	add GST on "X" (multiplying factor 0.1405)				980.26
	Total				7957.17
	Add 15% CPOH on "y"				1193.58 Y
	Total				9150.75
	Add Cess@ 1% on "Z"				91.51 Z
	cost of 2.2 sqm				9242.25
	Cost of 1 sqm				4201.02
	Say				4201.00
26.88.2	35 mm thick Details of cost for door shutter of size 2.20 sqm. MATERIAL				
5755	Factory made single extruded WPC {Wood Polymer Composite) solid plain flush door shutter 35 mm thick	sqm	2.2	3250.00	7150
5761	PVC laminated foil of minimum thickness of 14 microns of approved design	sqm	4.4	125.00	550
9977	Carriage of door shutter LABOUR For pasting PVC laminated foil to door shutter and fixing door shutter at position	L.S.	29.64	2.12	62.8368 0
0156	Carpenter{average)	day	0.2	369.00	73.8
0114	Beldar	day	0.2	306.00	61.2
	Total				7897.8368 W
	Add 1% water charges on "W"				78.98
	Total				7976.82 X
	add GST on "X" (multiplying factor 0.1405)				1120.74
	Total				9097.56
	Add 15% CPOH on "y"				1364.63 Y
	Total				10462.19
	Add Cess@ 1% on "Z"				104.62 Z
	cost of 2.2 sqm				10566.81
	Cost of 1 sqm				4803.10
	Say				4803.10













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.89	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white colour and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately)				
26.89.1	18 mm thick Details of cost for 18 mm thick WPC board for cupboard shutter of size 2.0x1.08 mtr = 2.16 sqm				
	MATERIAL				
5756	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 18 mm thick	sqm	2.16	1750.00	3780
5761	PVC laminated foil of minimum thickness of 14 microns of approved design	sqm	2.16	125.00	270
9977	Carriage of board	L.S.	5	2.12	10.6
9999	Sundries	L.S.	20	2.12	42.4
	LABOUR				
0156	Carpenter(average)	day	0.2	369.00	73.8
0114	Beldar	day	0.2	306.00	61.2
	Total				4238 W
	Add 1% water charges on "W"				42.38
	Total				4280.38 X
	add GST on "X" (multiplying factor 0.1405)				601.39
	Total				4881.77
	Add 15% CPOH on "y"				732.27 Y
	Total				5614.04
	Add Cess@ 1% on "Z"				56.14 Z
	cost of 2.16 sqm				5670.18
	Cost of 1 sqm				2625.08
	Say				2625.10
26.89.2	25 mm thick Details of cost for 25 mm thick WPC board for cupboard shutter of size 2.0x1.08 mtr = 2.16 sqm				
	MATERIAL				
5757	Factory made single extruded WPC (Wood Polymer Composite) solid plain white colored board of 25 mm thick	sqm	2.16	2360.00	5097.6
5761	PVC laminated foil of minimum thickness of 14 microns of approved design	sqm	2.16	125.00	270
9977	Carriage of board	L.S.	5	2.12	10.6
9999	Sundries	L.S.	20	2.12	42.4
	LABOUR				
0156	Carpenter(average)	day	0.2	369.00	73.8

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
0114	Beldar	day	0.2	306.00	61.2
	Total				5555.6 W
	Add 1% water charges on "W"				55.56
	Total				5611.16 X
	add GST on "X" (multiplying factor 0.1405)				788.37
	Total				6399.52
	Add 15% CPOH on "y"				959.93 Y
	Total				7359.45
	Add Cess@ 1% on "Z"				73.59 Z
	cost of 2.16 sqm				7433.05
	Cost of 1 sqm				3441.23
	Say				3441.20
26.90	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain white color board for backing of cup boards and bathroom/kitchen cabinets etc. of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-In- Charge. (Note: stainless steel screws shall be paid separately)				
26.90.1	6 mm thick Details of cost for 6 mm thick WPC board for backing of cupboard of size 2.0x1.08 mtr = 2.16 sqm MATERIAL				
5758	Factory made single extruded WPC Polymer Composite) solid plain (Wood white colored board of 6 mm thick	sqm	2.16	600.00	1296
9977	Carriage of board	L.S.	5	2.12	10.6
	LABOUR				
0156	Carpenter{average}	day	0.2	369.00	73.8
0114	Beldar	day	0.2	306.00	61.2
	Total				1441.6 W
	Add 1% water charges on "W"				14.42
	Total				1456.02 X
	add GST on "X" (multiplying factor 0.1405)				204.57
	Total				1660.59
	Add 15% CPOH on "y"				249.09 Y
	Total				1909.67
	Add Cess@ 1% on "Z"				19.10 Z
	cost of 2.16 sqm				1928.77
	Cost of 1 sqm				892.95
	Say				892.90
26.90.2	12 mm thick Details of cost for 12 mm thick WPC board for backing of cupboard of size 2.0x1.08 mtr = 2.16 sqm MATERIAL				
5759	Factory made single extruded WPC Polymer Composite) solid plain (Wood white colored board of 12 mm thick	sqm	2.16	1020.00	2203.2
9977	Carriage of board	L.S.	5	2.12	10.6

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
	LABOUR				
0156	Carpenter{average}	day	0.2	369.00	73.8
0114	Beldar	day	0.2	306.00	61.2
	Total				2348.8 W
	Add 1% water charges on "W"				23.49
	Total				2372.29 X
	add GST on "X" (multiplying factor 0.1405)				333.31
	Total				2705.59
	Add 15% CPOH on "y"				405.84 Y
	Total				3111.43
	Add Cess@ 1% on "Z"				31.11 Z
	cost of 2.16 sqm				3142.55
	Cost of 1 sqm				1454.88
	Say				1454.90
26.91	Providing and fixing factory made 18 mm thick single extruded WPC (Wood Polymer Composite) solid plain white colour board Jali, CNC (Computer numeric control) routed of approved design by Engineer-in -charge whichare machine cut for duct/shaft covering,partitions and facades comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives(maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with properties of being termite/borer proof, water/moisture proof and fire retardant and fixing on M.S (mild steel) frame made of 25 x 251.5 mm square hollow box section including applying a priming coat of approved steel primer, placed at grid made at 1.0x 1.0 m or as per requirement at site with necessary stainless steel fasteners and SS screws etc., all complete as per direction of Engineer-In-Charge. (Note: M.S (mild steel) framework with priming coat and necessary SS fasteners and SS screws shall be paid separately.				
	Details of cost for WPC jail of size 1.80 x 2.40 mtr = 4.32 sqm 4				
	MATERIAL				
5760	Factory made 18 mm thick single extruded WPC (Wood Polymer Composite) solid plain white colour board Jali including carriage	sqm	4.32	2260.00	9763.2
9999	Sundries	L.S.	10	2.12	21.2
	LABOUR				
0156	Carpenter{average}	day	0.2	369.00	73.8
0114	Beldar	day	0.3	306.00	91.8
	Total				9950 W
	Add 1% water charges on "W"				99.50
	Total				10049.50 X
	add GST on "X" (multiplying factor 0.1405)				1411.95
	Total				11461.45
	Add 15% CPOH on "y"				1719.22 Y
	Total				13180.67
	Add Cess@ 1% on "Z"				131.81 Z
	cost of 4.32 sqm				13312.48
	Cost of 1 sqm				3081.59
	Say				3081.60





Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.92	Providing and fixing of facade at all heights with extruded hollow Clay / Terracotta ventilated rain screen tiles of height 250/ 300/ 400mm and length of 595 mm of approved texture, design and pattern having Flexural Strength/ Modulus of Rupture of > 14 N/m and maximum water absorption of 10% tested as per ISO 10545-4:2004(E) and ISO 10545-3:1995 respectively in true level fixed to a supporting aluminium framework{Alloy 6063 T5/T6} consisting of vertical 'T' (for intermediates)/ 'L'(for ends/ termination)/ Tubular sections (at corners)of size 80x60x2mm/40x60x2mm/ 40x40x2mm respectively, spaced at maximum spacing of 600mm c/c matching to the tile vertical grid, and horizontal aluminium 'C'-clamps of size 56x25x2mm thickness of length 150mm at junction of tiles and of length 75mm at wall ends/ corners fixed on top of the vertical sections at spacing of 250/ 300/ 400mm c/c matching to the tile horizontal grid with two numbers of self-drilling / self-tapping SS screws of size 5.5x25 mm with EPDM washers. The vertical 'T'/'L' Tubular sections shall be fixed to the wall using HOG (hot-dip-galvanized) steel L-brackets (galvanizing thickness of minimum 80 microns)of size 110x80x6 mm at intermediate vertical aluminium profiles and of size 220x110x12 mm at outer corners and stainless steel grade 304,MIO full threaded anchor fasteners with nylon sleeve 100mm long (for brick work) and M8 expansion anchor fasteners 75mm long for concrete surface, spacing of brackets to be based on a structural/ static calculation. The brackets shall be of length 175mm at junction of two vertical aluminium profiles and of length 100mm at intermediate points of vertical profiles and shall be fixed to the vertical aluminium T / L / Tubular profiles using two numbers self-drilling/ self-tapping SS screws of size 5.5x25mm with EPDM washers. EPDM gaskets to be fixed in between brackets and vertical profiles. The tiles shall be mounted on the 'C' clamps such that the tiles are supported at top and bottom at both ends. The tiles shall be additionally secured to the horizontal 'C' clamps using special SS clips of required size which shall be inserted and pressed into position on the 'C' clamps holding the tiles and the cut tiles shall be glued at points to the horizontal 'C' clamps by using MS Polymer sealant adhesive. The vertical joint open groove between two adjacent tiles shall be 5mm. The tiles and system shall be designed to resist wind load as per IS 875 (Part 3) according to different zones. The tiles shall be installed using the ventilated rain screen principle with provision for natural ventilation of the space between the facade tiles and the structural wall. The work shall be carried out as per specification, drawing and as per direction of the Engineer-in-Charge.				
	Note : Scaffolding wherever required to be paid separately.				
26.92.1	With 16mm thickness (+/- 10%) terracotta tiles of grey colour				
5762	Detail of cost for 10.80 sqm (3.60 x 3.0 metre) MATERIAL Facade area = 10.80 sqm + Wastage @ 5%= 0.54sqm. Total= 11.34 sqm 16mm thick extruded terracotta tiles of grey colour of size 300 x 595mm	sqm	11.34	2152.80	24412.75
7306	Aluminium Tube/ T Profile 1). At outer corners tubular section 40x40x2 mm =2 nos. 3 mtr. long = 6.00 mtr. @ 0.82 kg/mtr. =4.92kg 2).At ends/termination angle 40x60x2 mm 2 nos. 3 mtr. long= 6.00 mtr. @ 0.53 kg/mtr.= 3.18 kg 3). At intermediate T section 18x16x2mm = 4 nos. 3 mtr. long= 12.00 mtr. @ 0.75 kg/mtr. = 9.00 kg (Total = 4.92+3.18+9.00 = 17.10 kg.	Kgs	17.10	190.00	3249.00
7306	Aluminium "C" Clamps of size 80x25x2 mm - 150mm (i) 150mm longh = 4x11no.= 44.00 nos x0.15= 6.6mtr @ 0.628 kg/mtr. = 4.14 kg (ii) 75mm long 611=66.00 nos. x 0.075 = 4.95mtr. @ 0.628 kg/mtr.= 3.10 kg. Total=4.14 + 3.10 = 7.24 kg	Kgs	7.24	190.00	1375.60

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7216	Self-Drilling/Self-Tapping Screws M-6 25mm long (a) Bracket to vertical profile - 32 Nos. (brackets) b) For fixing of C" clamps (44+66=110)x2=220 to vertical profile nos. Total= 220 Nos+ 64 Nos= 284.00 Nos	each	284.00	3.00	852.00
1007	HDG Mild Steel Brackets (Minimum 18 microns Galvanizing) a) Wall bracket - Average 110 x 80 = 6mm thick I (i) 100 mm long = 12x0.10= 1.20 Mtr @ 8.65 kg/mtr. = 10.38 kg (ii) 175mm long = 12x0.175=2.10 mtr. @ 8.65 kg/mtr. = 18.17 kg Total= 10.38 + 18.17 = 28.55 kg b) Corner Bracket of size 200 x 100 x 12mm thick (a) 100mm long - 4 Nos x0.10x = 0.40 mtr. @ 28.90 Kgs = 11.56 Kg (b) 175mm long 4x0.175= 0.70 mtr. @ 28.90 kg/mtr. = 20.23kg Total = 11.56 + 20.23 = 31.79 kg. Total quantity of wall and corner bracket = 60.34 kgs = 0.6034 quintal	quintal	0.60	5703.33	3441.39
7217	SS anchor Fasteners (RCC / Brick) - M-8x75mm/M-10x100mm 8x4 nos. = 32 Nos Bracket	each	32.00	70.00	2240.00
7390	EPDM Gaskets of size 100x80 mm 32x010=3.20 mtr.	meter	3.20	15.00	48.00
7218	MS Polymer Sealant Adhesive Area - 10.8 Sqm + wastage @ 0.54 sqm. Total=11.34 Sqm Adhesive required = Approx. 150ml or 0.15 tr. SS Clips	litre	0.15	1200.00	180.00
7219	SS Double Clip at intermediate 7x10=70.00 Nos. x 2 clips= 140.00 clips	each	140.00	7.00	980.00
7220	SS Single clip at Top and Bottom 7x4= 28 Nos. clips LABOUR	each	28.00	4.00	112.00
166	Installation charges for fixing of façade at all heights with extruded hollow clay/terracotta ventilated rain screen tiles	sqm	10.80	645.00	6966.00
9999	Carriage of materials	L.S.	125.00	2.12	265.00
9999	T&P and materials Lead & Lift	L.S.	250.00	2.12	530.00
	TOTAL				44651.74 W
	Add 1% Water charges on "W"				446.52
	TOTAL				45098.26 X
	Add GST on "X" (multiplying factor 0.1405)				6336.31
	TOTAL				51434.56
	Add 15% CPOH on "y"				7715.18 Y
	TOTAL				59149.75
	Add Cess@ 1% on "Z"				591.50 Z
	Cost of 10.80 sqm.				59741.25
	Cost of 1 sqm				5531.60
	Say				5531.60













Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.92.2	With 16mm thickness (+/- 10%) terracotta tiles of other than grey colour				
5763	Detail of cost for 10.80 sqm (3.60 x 3.0 metre) MATERIAL Facade area = 10.80 sqm + Wastage @ 5% = 0.54sqm. Total= 11.34 sqm 16mm thick extruded terracotta tiles of other than grey colour of size 300 x 595mm	sqm	11.34	1991.30	22581.342
7306	Aluminium Tube/ T Profile 1). At outer corners tubular section 40x40x2 mm = 2 nos. 3 mtr. long = 6.00 mtr. @ 0.82 kg/mtr. = 4.92 kg 2). At ends/termination angle 40x60x2 mm = 2 nos. 3 mtr. long= 6.00 mtr. @ 0.53 kg/mtr.= 3.18 kg 3). At intermediate T section 18x16x2mm = 4 nos. 3 mtr. long= 12.00 mtr. @ 0.75 kg/mtr. = 9.00 kg (Total = 4.92+3.18+9.00 = 17.10 kg.	Kgs	17.1	190.00	3249
7306	Aluminium "C" Clamps of size 56x25x2.5 mm • 150mm (i) 150mm longh = 4xll no.= 44.00 nos. x0.15= 6. mtr @ 0.628 kg/mtr =4.14kg (ii) 75mm long 611=66.00 nos. x 0.075 = 4.95mtr. @ 0.628 kg/mtr.= 3.10 kg. Total=4.14 + 3.10 = 7.24 kg	Kgs	7.24	190.00	1375.6
7216	Self-Drilling/Self-Tapping Screws M-6 25mm long (a) Bracket to vertical profile - 32 Nos. (brackets) b) For fixing of "C" clamps (44+66=110)x2=220 to vertical profile nos. Total= 220 Nos+ 64 Nos= 284.00 Nos	each	284	3.00	852
1007	HDG Mild Steel Brackets (Minimum 18 microns Galvanizing) a) Wall bracket - Average 110 x 80 = 6mm thick I (i) 100 mm long = 12x0.10= 1.20 Mtr @ 8.65 kg/mtr. = 10.38 kg (ii) 175mm long = 12x0.175=2.10 mtr. @ 8.65 kg/mtr. = 18.17 kg Total= 10.38 + 18.17 = 28.55 kg b) Corner Bracket of size 200 x 100 x 12mm thick (a) 100mm long - 4 Nos x0.10x = 0.40 mtr. @ 28.9 Kgs = 11.56Kg (b) 175mm long 4x0.175= 0.70 mtr. @ 28.90 kg/mtr. = 20.2 kg Total = 11.56 + 20.23 = 31.79 kg. Total quantity of wall and corner bracket = 60.34 kgs = 0.6034 quintal	quintal	0.6034	5703.33	3441.38932
7217	SS anchor Fasteners (RCC / Brick) - M-8x75mm/M-10x100mm 8x4 nos. = 32 Nos Bracket	each	32	70.00	2240
7390	EPDM Gaskets of size 100x80 mm 32x010=3.20mtr.	meter	3.2	15.00	48

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7218	MS Polymer Sealant Adhesive Area - 10.8 Sqm + wastage @ 0.54 sqm. Total=11.34 Sqm Adhesive required = Approx. 150ml or 0.15 ltr. SS Clips	litre	0.15	1200.00	180
7219	SS Double Clip at intermediate 7x10=70.00 Nos. x 2 clips= 140.00 clips	each	140	7.00	980
7220	SS Single clip at Top and Bottom 7x4= 28 Nos. clips LABOUR	each	28	4.00	112
166	Installation charges	sqm	10.8	645	6966
9999	Carriage of materials	L.S.	125	2.12	265
9999	T&P and materials Lead & Lift	L.S.	250	2.12	530
	TOTAL				42820.3313 W
	Add 1% Water charges on "W"				428.20
	TOTAL				43248.53 X
	Add GST on "X" (multiplying factor 0.1405)				6076.42
	TOTAL				49324.95
	Add 15% CPOH on "y"				7398.74 Y
	TOTAL				56723.70
	Add Cess@ 1% on "Z"				567.24 Z
	Cost of 10.80 sqm.				57290.93
	Cost of 1 sqm				5304.72
	Say				5304.70
26.93	Providing and fixing of fasade at all heights with extruded hollow Clay / Terracotta ventilated rain screen tiles of height 259/ 309/ 409mm and length of 1190 mm of approved texture, design and pattern having Flexural Strength/ Modulus of Rupture of $2 > 14 \text{ N/m}^2$ and maximum water absorption of 10% tested as per ISO 10545-4:2004(E) and ISO 10545-3:1995 respectively in true level fixed to a supporting aluminium framework (Alloy 6063 T5/T6) consisting of vertical 'T' (for intermediates)/ 'L' (for ends/ termination)/ Tubular sections (at corners) of size 80x60x2mm/ 40x60x2mm/ 40x40x2mm respectively, spaced at maximum spacing of 1200mm c/c matching to the tile vertical grid, and horizontal aluminium 'C'-clamps of size 56x34x2 mm thickness of length 150mm at junction of tiles and of length 75mm at wall ends/ corners fixed on top of the vertical sections at spacing of 250/ 300/ 400mm c/c matching to the tile horizontal grid with two numbers of self-drilling / self-tapping SS screws of size 5.5x25 mm with EPDM washers. The vertical 'T'/'L' / Tubular' sections shall be fixed to the wall using HDG (hot-dip-galvanized) steel L• brackets (galvanizing thickness of minimum 80 microns) of size 110x80x6 mm at intermediate vertical aluminium profiles and of size 220x110x12 mm at outer corners and stainless steel grade 304,M10 full threaded anchor fasteners with nylon sleeve 100mm long (for brick work) and M8 expansion anchor fasteners 75mm long for concrete surface, spacing of brackets to be based on a structural/ static calculation. The brackets shall be of length 175mm at junction of two vertical aluminium profiles and of length 100mm at intermediate points of vertical profiles and shall be fixed to the vertical aluminium T / L / Tubular profiles using two numbers self-drilling/ self-tapping SS screws of size 5.5x25 mm with EPDM washers. EPDM gaskets to be fixed in between brackets and vertical profiles. The tiles shall be mounted on the 'C' clamps such that the tiles are supported at top and bottom at both ends. The tiles shall be mounted on the C-clamps with EPDM profiles in between such that the tiles are supported at top and bottom at both ends. The vertical joint open groove between two adjacent tiles shall be 10mm. The tiles and system shall be designed to resist wind load as per IS 875 (Part 3) according to different zones. The tiles shall be installed using the ventilated rain screen principle with provision for natural ventilation of the space between the facade tiles and the structural wall. The work shall be carried out as per specification, drawing and as per direction of the Engineer-in-Charge.				
	Note : Scaffolding wherever required to be paid separately.				




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Code	Description	Unit	Quantity	Rate ₹	Amount ₹
26.93.1	With 24mm thickness (+/- 10%) terracotta tiles of grey colour Detail of cost for 12.60 sqm (4.2 (0.3+3.6+0.3) x 3.0 metre) MATERIAL Facade area= 12.60 sqm + Wastage @ 5% = 0.63 sqm. Total= 13.23 sqm				
5764	24mm thick extruded terracotta tiles of grey color of size 309x1190 mm and length 1190mm	sqm	13.23	2475.00	32744.25
7306	Aluminium Tube/ T Profile 1). At outer corners tubular section 40x40x2 mm =2 nos. 3 mtr. long = 6.00 mtr. @ 0.82 kg/mtr. =4.92kg 2). At ends/termination angle 40x60x2m 2 nos. 3 mtr. long= 6.00 mtr. @ 0.53 kg/mtr. = 3.18 kg 3). At intermediate T section 80x60x2m =2 nos. 3 mtr. long = 6.00 mtr. @ 0.75 kg/mtr. = 4.50 kg (Total = 4.92+3.18+4.50 = 12.60 kg	kg	5.07	190.00	963.30
7306	Aluminium C Clamps of size 56x34x2.0 mm (i) 150mm long - 2x11 no. = 22.00 nos. x 0.15 = 3.3 mtr. @ 0.615 kg/mtr. = 2.03 kg (ii) 75mm long - 6x11=66.00 nos. x 0.075 = 4.95 mtr. @ 0.615 kg/mtr= 3.04 kg Total=2.03 + 3.04 = 5.07 kg	kg	5.07	190.00	963.30
7216	Self-Drilling/Self-Tapping Screws 5.5x25 mm long (a) Bracket to vertical profile - 30 Nos.x2.00 nos. = 60.00 Nos b) For fixing of brackets to "C clamps (22+66=88)x2=176 nos. Total= 176 Nos+ 60 = 236.00 Nos	each	236	3.00	708.00
1007	HDG Mild Steel Brackets (Minimum 80 microns Galvanizing) a) Wall bracket- 110 x 80x6mm thick (i) 100 mm long = 10x0.10= 1.00 Mtr @ 8.65 kg/mtr. = 8.65 kg (ii) 175mm long = 10x0.175=1.75 mtr. @ 8.65 kg/mtr. = 15.13 kg Total= 8.65 +15.13 = 23.85 kg b) Corner Bracket of size 220 x 110 x 12mm thick (a) 100mm long - 5 Nos x0.10 = 0.50 mtr @ 28.90 kg/mtr. = 14.45 Kg (b) 175mm long - 5x0.175= 0.875 mtr. @ 28.90 kg/mtr. = 25.28 kg Total= 14.45 + 25.28 = 39.73 kg Gross total = 23.85+39.73 = 63.58 kg = 0.6358 quintal	quintal	0.6358	5703.33	3626.18
7217	SSAnchor Fasteners (RCC / Brick) -- M-8x100 mm 6x5 nos. = 30 Nos Bracket	each	30	70.00	2100.00
7390	EPDM Gaskets of size 100x80 mm 30x0.10=3.00 mtr.	metre	3	15.00	45.00
7218	MS Polymer Sealant Adhesive Area = 12.60 Sqm + 5% = 13.23 Sqm. Adhesive required= 175 ml. or 0.175 ltr.	litre	0.175	1200.00	210.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
7390	EPDM Profile for tiles mounting on C- clamps (i) 150mm long - 2x11 no. = 22.00 nos. x 0.15 = 3.3 mtr. (ii) 75mm long - 6x11=66.00 mtr. nos. x 0.075 = 4.95 Total= 3.3 + 4.95 = 8.25 mtr. LABOUR	metre	8.25	15.00	123.75
166	Installation charges	sqm	12.6	645	8127.00
9999	Carriage of materials	L.S.	125	2.12	265.00
9999	T&P and materials Lead & Lift	L.S.	250	2.12	530.00
	TOTAL				50405.78 W
	Add 1% Water charges on "W"				504.06
	TOTAL				50909.83 X
	Add GST on "X" (multiplying factor 0.1405)				7152.83
	TOTAL				58062.67
	Add 15% CPOH on "y"				8709.40 Y
	TOTAL				66772.07
	Add Cess @ 1 % on "z"				667.72 Z
	Cost of 12.60 sqm.				67439.79
	Cost of 1 sqm				5352.36
	Say				5352.40
26.93.2	With 24mm thickness (+/- 10%) terracotta tiles of other than grey colors				
	Detail of cost for 12.60 sqm (4.2 (0.3+3.6+0.3) 3.0 metre)				
	MATERIAL				
	Facade area = 12.60 sqm + Wastage @ 5% = 0.63 sqm. Total= 13.23 sqm				
5765	24mm thick extruded terracotta tiles of grey color of size 309x1190 mm and length 1190mm	sqm	13.23	2260.00	29899.80
7306	Aluminium Tube/ T Profile 1). At outer corners tubular section 40x40x2 mm = 2nos. 3 mtr. long= 6.00 mtr. @ 0.82 kg/mtr. = 4.92kg 2). At ends/termination angle 40x60x2 mm = 2 nos. 3 mtr long 6.00 mtr 0.53 kg/mtr = 3.18kg 3). At intermediate T section 80x60x2mm = 2 nos.3 mtr. long = 6.00 mtr. 0.75 kg/mtr.=4.50kg (Total = 4.92+3.18+4.50 = 12.60 kg)	kg	12.6	190.00	2394.00
7306	Aluminium C Clamps of size 56x34x2.0 mm (i) 150mm long - 2x11 no. = 22.00 nos. x 0.15 = 3.3 mtr. @ 0.615 kg/mtr. = 2.03 kg (ii) 75mm long - 6x11=66.00 nos. x 0.075 = 4.95 mtr. @ 0.615 kg/mtr.= 3.04 kg Total=2.03 + 3.04 = 5.07 kg	kg	5.07	190.00	963.30
7216	Self-Drilling/Self-Tapping Screws 5.5x25 mm long (a) Bracket to vertical profile - 30 Nos.x2.00 nos. = 60.00 Nos (b) For fixing of brackets to "C" clamps (22+66=88)x2=176 nos. Total= 176 Nos+ 60 = 236.00 Nos	each	236	3.00	708.00

Code	Description	Unit	Quantity	Rate ₹	Amount ₹
1007	HDG Mild Steel Brackets (Minimum 80 microns Galvanizing) a) Wall bracket- 110 x 80x6mm thick (i) 100 mm long = $10 \times 0.10 = 1.00$ Mtr @ 8.65 kg/mtr. = 8.65 kg (ii) 175mm long = $10 \times 0.175 = 1.75$ mtr. @ 8.65 kg/mtr. = 15.13 kg Total= 8.65 + 15.13 = 23.85 kg b) Corner Bracket of size 220 x 110x 12mm thick (a) 100mm long - 5 Nos $\times 0.10 = 0.50$ mtr. @ 28.90 Kg/mtr.= 14.45 Kg (b) 175mm long - $5 \times 0.175 = 0.875$ mtr. @ 28.90 kg/mtr. = 25.28 kg Total = 14.45 + 25.28 = 39.73 kg Gross total = 23.85+39.73 = 3.58 kg = 0.6358 quintal	quintal	0.6358	5703.33	3626.18
7217	SS Anchor Fasteners (RCC / Brick) - M-8x100 mm 6x5 nos. = 30 Nos Bracket	each	30	70.00	2100.00
7390	EPDM Gaskets of size 100x80 mm 30x0.10=3.00 mtr.	metre	3	15.00	45.00
7218	MS Polymer Sealant Adhesive Area = 12.60 Sqm + 5% = 13.23 Sqm. Adhesive required= 175 ml. or 0.175 ltr.	litre	0.175	1200.00	210.00
7390	EPDM Profile for tiles mounting on C- clamps (i) 150mm long - 2x11 no. = 22.00 nos. $\times 0.15 = 3.3$ mtr. (ii) 75mm long $6 \times 11 = 66.00$ nos. $\times 0.075 = 4.95$ mtr. Total= 3.3 + 4.95 = 8.25 mtr.	metre	8.25	15.00	123.75
	LABOUR				0.00
166	Installation charges	L.S	12.6	645	8127.00
9999	Carriage of materials	L.S	125	2	250.00
9999	T&P and materials Lead & Lift	L.S	250	2	48447.03 W
	TOTAL				484.47
	Add 1 % Water charges on "W"				48931.50 X
	TOTAL				6874.88
	Add GST on "X" (multiplying factor 0.1405)				55806.37
	TOTAL				8370.96 Y
	Add 15% CPOH on "y"				64177.33
	TOTAL				641.77 Z
	Cost of 12.60 sqm				64819.10
	Cost of 1sqm				5144.37
	Say				5144.40



