# TENDERDOCUMENT

Plan

E-Tender NoticeNo: 01/2018-19/RGNUL

### Dated: 04/04 /2018

Construction of 01 no Hostel block for Girls including internal & external Public Health & Electrical Services(under BabuJagjivan Ram ChhatrawasYojna) in RGNUL campus, Sidhuwal, Patiala.



## (ConstructionandMaintenanceWing) RajivGandhiNationalUniversityofLaw,Punjab,Patiala

### ARCHITECT/CONSULTANTS:

M/s Kothari Associates Pvt. Ltd. G–65,ConnaughtCircus,NewDelhi110001 01123325040,01123324598,Fax:01123712001







Reskarme

#### BILL OF QUANTITIES

Construction of 01 no Hostel block for Girls including internal & external Public Health & Electrical Services(under BabuJagjivan Ram ChhatrawasYojna) in RGNUL campus, Sidhuwal, Patiala.

S.No	Description of items	UNIT	Appx Quantities	Total Rate	Amount
1	Excavation in Soil (any type) using Hydraulic Excavator CK 90 and Tippers with Disposal up to 450 metres. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and sides		2489.25	47.34	117841.10
2	Carriage of excavated earth outside from foundation	cum	2409.25	47.34	117041.10
	& subsequent with machinery	cum	2489.25	27.00	67209.75
3	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% taking outside from the building plinth the premises in 15 cm layers including ramming, watering and consolidated lead upto 30 metres.	cum	2489.25	88.24	219651.42
4	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% taking outside including ,unloading, carriage with average lead of 8 km the premises in 15 cm layers including ramming, watering and consolidated lead upto 1000 metres.	cum	450.00	275.00	123750.00
5	Rehandling of recently deposited earth received	oum	100.00	210.00	120100.00
	from foundation for reuse in filling by mean of machinery	cum	2489.25	32.40	80651.70
	Earth filling:				0.00
6	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres	Cum	RO	41.51	0.00
7	Providing and applying Anti Termite Treatment using pre constructional chemical treatment measures as per IS - 6313 - 2001 (Part 2) & using Chemical containing chloropyrifos systemic insecticide diluted to manufacturer's specifications (i) In foundation pits, by treating the bottom & sides up to height of 300mm by uniformly spraying solution @ 5 Litre / SqMetre (ii) In the refill earth on both sides of all built up walls @ 7.5 Litre / Running Metre (width - 300 mm, depth - 450 mm) (iii) Before laying the floor, by uniformly sprinkling the top surface of the consolidated earth within the outer periMetre @ 5 Litre solution per SqMetre. <b>CENTERING AND SHUTTERING</b>	Sqm	750	119.03	<u>89268.75</u> 0.00
8	Centering and shuttering for flat surface such as				0.00
	suspended floors, Roofs, Landing, Chhajjas, Shelves etc				0.00
i	For Ground Floor	Sqm	2718.96	204.01	554700.47
ii	For First Floor	Sqm	595.16	2.70	1606.93
iii	For Second Floor	Sqm	595.16	5.40	3213.86
iv	For Third Floor	Sqm	630.84	8.10	5109.80
V	For Fourth Floor	Sqm	169.39	10.80	1829.41
9	Centering and shuttering for sides and soffits of beams, haunchings, girders, bressumers, lintels	0	4000.0	400 70	0.00
i	For Ground Floor	Sqm	1928.2	188.73	363909.19
ii	For First Floor	Sqm	365.52	2.70	986.90

					1973.81 3201.77
i	For Second Floor	Sqm	365.52	5.40	1072 91
· /	For Third Floor	Sqm	395.28	8.10	2201 77
	For Fourth Floor	Sqm	93.04	10.80	1004.83
/ D	Centering and shuttering for stair cases with sloping	Sqiii	93.04	10.60	1004.03
J		Carro	100 70	207.40	01111 40
	soffits including risers and stringers.	Sqm	136.79	227.46	31114.46
	For First Floor	Sqm	37.29	2.70	100.68
	For Second Floor	Sqm	37.29	5.40	201.37
i	For Third Floor	Sqm	24.92	8.10	201.85
1	Centering and shuttering for columns ( square or				
	rectangular or polygonal in plan)				0.00
	For Ground Floor	Sqm	922.8	242.01	223330.98
	Extra For First Floor	Sqm	179.12	2.70	483.62
i	For Second Floor	Sqm	179.12	5.40	967.25
/	For Third Floor	Sqm	179.12	8.10	1450.87
,	For fourth Floor	Sqm	65.44	10.80	706.75
2	Centering and shuttering for columns	•			
	(circular or curved in plan)				0.00
	For Ground floor	Sqm		262.63	0.00
3	Centering and shuttering for corbels parapets				
•	fascias and other similar items including edges	Sqm		367.32	0.00
4	Shuttering for faces of concrete foundations and	oqiii		007.02	0.00
Ŧ	foundation beams (vertical or battering)	Sqm	346.25	158.31	54816.40
5	Extra when ever smooth surface is desired for	Oqin	040.20	130.31	34010.40
5	concrete finish.				0.00
	Slab	Sam	2617.96	20.40	53402.46
		Sqm			
	Beams	Sqm	1928.2	18.87	36390.92
i	Stairs	Sqm	136.79	22.75	3111.63
/	Columns	Sqm	922.8	23.13	21340.21
6	Centring and shuttering for arches of varandah, door	_			
	and windows openings.	Sqm	11.67	211.60	2469.36
	Extra for third floor	Sqm	11.67	8.10	94.53
	CONCRETE				0.00
7	Prov. & laying cement concrete with cement content				
	as specified /cum.				0.00
ľ	M-10 grade concrete with cement content of 175				
	kg./cum, without batch mix plant./(1:4:8) 20mm size	Cum	101.29	3092.65	313254.77
)	Cement concrete 1:8:16 ratio with cement content				
	90kg / cum, without batch mix plant.	cum	101.03	2556.13	258246.17
8	Cement concrete 1:5:10 ratio with cement content				
0	90kg / cum, without batch mix plant.	cum	RO	2983.60	0.00
	Extra for mixture	Cum	RO	113.76	0.00
9	Reinforced cement concrete M-20 with cement	Oum	- NO	113.70	0.00
9	@375/kg per cum hand mixed but excluding steel				
	reinforcement centring and shuttering in foundation				
		0.1122	110.05	4502.91	E42000 E2
0	and plinth Reinforced Cement Concrete M-25 mechanically	cum	118.25	4592.81	543099.52
J					
	batch mixed using cement content 380 kg./cum.				
	With batch type concrete mixer as per IS: 1791 and				
	vibrated by needle vibrator but excluding steel				
	reinforcement centring and shuttering in foundation			1710.00	
	and plinth	cum	325.75	4749.28	1547077.37
1	Reinforced Cement Concrete M-25 mechanically				
	batch mixed using cement content 380 kg./cum.				
	With batch type concrete mixer as per IS: 1791 and				
	vibrated by needle vibrator but excluding steel				
	reinforcement centring and shuttering in				
	superstructure	cum	678.66	4954.58	3362475.26
2	Extra for R.C.C. work done in subsequent storey				
	above the first storey up to height of 4 metres or part				
	thereof up to the roof top level of that storey.				0.00
	For first floor	cum	147.83	40.80	6031.46
	For second floor	cum	147.83	81.60	12062.93
		cum cum			
i	For second floor for Third floor	cum	149.3	122.40	18274.32
	For second floor				

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	Q 4 05 km / a multi d hat and a surd a d		1	1 1	18
24	@ 1.65 kg / sqmlaid hot and sanded.				17
24	20mm thick cement plaster damp proof course 1:3 with two coats of bitumen at 1.65 kg. perSqMetre.				
	laid hot and sanded. (a) Vertical	Sqm	58.93	290.58	17123.70
b	horizontal	Sqm	R0	303.78	0.00
25	Plain cement concrete M-20 grade precast kerb	oqiii	110	000.70	0.00
20	250mm high with bottom width 165mm and top width				
	115mm fixed in position on earth base including				
	carriage to site of work complete as per technical				
	clause 408 of MORT&H specifications	mt	150	337.07	50560.50
26	Providing and laying 60 mm thick factory made				
	cement concrete rubber moulded smooth finish				
	interlocking paver topping with white cement Make				
	block of M-35 grade made by block making machine				
	with strong vibratory compaction and of approved				
	size and design / shape laid in Ordinary Grey colour				
	and pattern over and including 50 mm thick				
	compacted bed of coarse sand, filling the joints with				
	fine sand etc, all complete as per directions of				
	Engineer-in-Charge.NTC BRAND	sqm	143.59	623.00	89456.57
	BRICK WORK				0.00
27	First class burnt brick work laid in cement sand	-			
	mortar 1:6 in foundation and plinth	Cum	4.58	3855.19	17656.77
28	First class burnt brick work laid in cement sand				
	mortar 1:6 in first storeyupto 4 Metres above plinth	0	0.40.00	4400.00	4 4 4 7 9 9 9 9 5
	level.	Cum	349.99	4136.39	1447696.85
29	First class burnt brick work laid in cement sand				
	mortar 1:5 in first storeyupto 4 Metres above plinth	0	44.05	4000 50	000 40 07
		Cum	14.85	4238.58	62942.97
30	Extra for additional storeyupto 4 Metres above the				0.00
-	top of structural roof of lower storey, Extra for additional storey of first floor.	0	00.57	04.40	0.00
a		Cum	66.57	84.48	5624.13
b	Extra for additional storey of second floor.	Cum	67.01	168.97	11322.60
С	Extra for additional storey of third floor.	Cum	65.66	253.45	16641.74
d	Extra for additional storey of fourth floor.	Cum	68.37	337.94	23104.79
е	Extra for additional storey of fifth floor.	Cum	5.32	422.42	2247.27
31	Extra for burnt brick work in square or rectangular				
	pillars in building.	cum	0.83	251.27	208.55
32	115 mm thick brick wall with every fourth course				
	reinforced with hoop iron laid in 1 :4 cement sand				
	mortar in super structure.	Sqm	2440.42	589.84	1439462.33
33	Extra for additional storey upto 4 Metres above the				
	top of structural roof of lower storey,				0.00
а	Extra for additional storey of first floor.	Sqm	60.58	6.08	368.02
b	Extra for additional storey of second floor.	Sqm	60.58	12.15	736.05
С	Extra for additional storey of third floor.	Sqm	60.29	18.23	1098.79
34	Dressed or moulded two brick cornice laid in cement			I T	
	sand mortar 1:4 including 12mm thick cement	_			
	plaster 1:4 or pointing as required.	Rmt	174.21	206.70	36009.00
	ROOFING & WATER PROOFING				0.00
35	Terracing consisting of tiles 22.86 cm x 11.43 cm x				
	3.81 cm laid over 25mm mud plaster, 75 mm mud				
	filling on another layer of 25 mm mud plaster				
	including two coats of bitumen laid hot @ 1.65 Kg.				
	per SqMetre on top of R.C.C slab including grouting				
	with cement sand mortar 1:4 and top surface to be	<b>C</b> 1	047.40	050.50	10100110
20	left clear after wire brushing etc.	Sqm	617.42	650.59	401684.49
36	Top khurra 0.6m x 0.6m for rain water pipe in 25mm				
	thick cement concrete 1:2:4 over 50 mm thick	NI	40	05.40	4444 40
07	cement concrete 1:8:16	Nos.	12	95.10	1141.19
37	Providing and laying pointing in cement mortar 1: 2	0	602.00	40.05	07004 00
20	(1 cement : 2 fine sand) flush variety on brick tiles.	Sqm	603.86	46.35	27991.33
38	Bottom Khurra on ground 1.2m x 0.6 mtr Consisting				
	of brick on odgo loid in compart marter 1/2 aver 75				
	of brick on edge laid in cement mortar 1:3 over 75				
	of brick on edge laid in cement mortar 1:3 over 75 mm cement concrete 1:8:16 i/c 12.5mm thick cement plaster 1:3	Nos.	12	576.45	6917.40

					fsle
39	Cement concrete 1:2:4 gola 10 cm x 10 cm guadrant				
	along junction of roof with parapet wall finished smooth, where specially specified.	Metre	160.63	52.65	8457.79
40	Providing and laying four courses of water proofing				
	treatment with bitumen felt over roofs consisting of first and third courses of blown type bitumen grade				
	85/25 applied hot @1.20kg per sqm. of area for each				
	course, second course on roofing felt type 3 grade-I				
	(Hessian base self finished bitumen felt) and fourth				
	and final course of stone grit 6m.m. and down size				
	or pea-sized grit spread at 0.006 cu.m. persq.m. including preparation of surface complete.	Sqm	RO	332.36	0.00
i	Providing & laying water proofing treatment with	- Oqiii		002.00	0.00
	ready mixed chemicals mixed in required proportions				
	as specified in the literature supplied by the				
	manufacturer with minimum thickness of 2mm. Of any approved manufacturer on concrete surface				
	equivalent to FOSROC, Dr. FIXIT.	Sqm	160	550.00	88000.00
41	Providing and fixing 110 mm dia SWR U.P.V.C Rain	<b>0</b> q			
	water pipe (ring fitted type-A) as per IS:13592				
	including jointing during masonry complete as per				
	specifications and to the entire satisfaction of Engineer-in charge. (If fixed on wall face clamp to be				
	paid separately as per respective item)	R Metre	194	239.91	46543.03
42	Providing and fixing 110 mm dia SWR U.P.V.C bend	11110110	101	200.01	100 10.00
	for Rain water pipe as per IS:14735 including jointing				
	complete as per specifications and to the entire	E. I	10	440.45	1001.00
43	satisfaction of Engineer- in- charge. Providing and fixing 110 mm dia SWR U.P.V.C	Each	12	140.15	1681.80
43	Coupling/Sockete for Rain water pipe as per				
	IS:14735 including jointing complete as per				
	specifications and to the entire satisfaction of				
	Engineer- in- charge.	Each	36	137.79	4960.35
а	Providing and fixing covering 200mm wide Aluminium Sheet 14 Gauge with gatties and screw				
	on vertical expansion joints one side fixed and one				
	side fixed with slotted holes to allow movement				
	complete in all respect as per specifications and to				
	the entire satisfaction of engineer- in- charge.	mtr	30	413.11	12393.30
4.4	FLOORING AND DADOS				0.00
44	Providing and fixing of false ceiling at all heights of 600x600x15mm/600*1200*15mm ceiling tiles of				
	type DUNE RH-99 laid in grid system. The frame				
	work comprise of made of GI 120 GSM coating with				
	minimum 0.3mm thickness main runner spaced at				
	1200mm centre to centre securely fixed to the				
	structural soffit by approved hangers at 1200mm maximum centres. Hangersa (GI wire of 4mm dia) to				
	be fixed by approved roof plug, level adjusters and				
	screw etc. The last hanger at the end of each main				
	runner should not be greater than 450mm from the				
	adjacent wall. Flush fitting 1200mm long cross tees				
	(with double stiching) to be interlocked between main runners at 600mm centres to form				
	1200x600mm modules. Cut across tees longer than				
	600mm to be supported independently. 600x600mm				
	modules to be formed by fitting 600mm long flush				
	fitting cross tees centrally between the 1200mm				
	cross tees. Perimeter trim to be Armstrong wall				
	angle secured to walls at 450mm maximum centres complete in all respects as per specifications.	SQM	200.52	1286.09	257886.77
45	Providing and Fixing of Copper Sheet 16 Gauge		200.02	1200.00	201000.11
-	350mm wide in "V" or "U" shape on expansion joint				
	including covering with C.Concrete complete in all				
	respect as per specifications and to the entire	N AT	A	2070.04	12104.00
46		МТ	4	3276.24	13104.96

47         Screed of 50mm thick cement concrete 18:16 to be laid below the topping         Sym         1644.72         138.22         227326.21           48         Conglomerate floor 25mm thick cement concrete topping 12:4.         SqMetre         236.31         196.30         46387.65           49         Conglomerate floor 25mm thick cement concrete topping 13:6.         SqMetre         236.31         196.30         46387.65           50         Conglomerate floor 35mm thick cement concrete topping 13:6.         SqMetre         330         9.22         0.00           51         Extra labour for projected nosing of staïcase of any shape and design         Metrer         330         9.23         0044.84           52         Coloured glaced tiles 20 cm x 20 cm and 5 mm thick in skirting and dado on 12m mick coment plaster 1:3 in base an joined with while cement slury including unbing and polishing complete (Minimum mtick mathes baros (sample of mathe slate) starts sand) laid and jointed with party cement slury including unbing and polishing complete (Minimum midt do Tappi should be 316 4/with: mathes shore (lagnes) form to 20mm thick over 12.5 mm thick base of Cement mortar 13 laid and jointed with while cement slury including rubbing and polishing.         Sqm         850         2042.62         1736227.00           54         Kotat shore lites 20 mm tok in skirting rises of steps dado walls and pilter with neat cement slury maked with pigment to match in skirting rises of steps dado walls and pilters with salt dim to 21.5 mm thick serent starce filtes 04 60 rm						fsharr
47         Screed of 50mm thick cement concrete 18:16 to be laid below the topping         Sym         1644.72         138.22         227326.21           48         Conglomerate floor 25mm thick cement concrete topping 12:4.         SqMetre         236.31         196.30         46387.65           49         Conglomerate floor 25mm thick cement concrete topping 13:6.         SqMetre         236.31         196.30         46387.65           50         Conglomerate floor 35mm thick cement concrete topping 13:6.         SqMetre         330         9.22         0.00           51         Extra labour for projected nosing of staïcase of any shape and design         Metrer         330         9.23         0044.84           52         Coloured glaced tiles 20 cm x 20 cm and 5 mm thick in skirting and dado on 12m mick coment plaster 1:3 in base an joined with while cement slury including unbing and polishing complete (Minimum mtick mathes baros (sample of mathe slate) starts sand) laid and jointed with party cement slury including unbing and polishing complete (Minimum midt do Tappi should be 316 4/with: mathes shore (lagnes) form to 20mm thick over 12.5 mm thick base of Cement mortar 13 laid and jointed with while cement slury including rubbing and polishing.         Sqm         850         2042.62         1736227.00           54         Kotat shore lites 20 mm tok in skirting rises of steps dado walls and pilter with neat cement slury maked with pigment to match in skirting rises of steps dado walls and pilters with salt dim to 21.5 mm thick serent starce filtes 04 60 rm		filling				
48     Conglomerate floor 50 mm thick cement concrete topping 1:24.     Sqmt RO     134.28     0.00       50     Conglomerate floor 25mm thick cement concrete topping 1:36.     Sqm     RO     134.28     0.00       50     Conglomerate floor 35mm thick cement concrete topping 1:36.     Sqm     RO     140.22     0.00       51     Extra labour for projected nosing of staircase of any shape and design     Metrer     330     9.23     3044.84       52     Coloured glazed tiles 20 cm x 20 cm and 5 mm thick in skitting and dado on 12 mm thick cement plaster     sqm     692.73     1100.54     762377.07       53     Pro & Kixing Mathe Stone flooring with 14 to 18 mm thick marble stone (sample of marble shall approved by Engineer in charge) over 20 mm (average) thick base of cement motar 1:4 (1 cement 1: 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete (Minium match the shade of marble including rubbing & Bolishing complete (Minium match the shade of marble including rubbing & Bolishing complete (Minium match the shade of stone flooring 3 km to 20mm thick over 12.5 mm thick base of Cement mortar 1:3 (1 cement, 13 sand) laid and jointed with neat cement slurry mixed with pigment to match the shade of stone flooring rubbing and polishing complete (Minium mortar 1:3 and and jointed with neat cement slurry mixed with pigment to match the shade of stone flooring rubbing and polishing complete sam black and polishing complete flooring rubbing and polishing complete rubbing complete in	47	Screed of 50mm thick cement concrete 1:8:16 to be	Sqm	1644.72	138.22	
topping 1:2:4.SqmRO134.280.0000000 (operate floor 35mm thick cement concreteSqmRO140.220.001151Extra labour for projected nosing of staircase of any shape and designMetrer3309.233044.8452Coloured glazed lites 20 cm x 20 cm and 5 mm thick in skirting and dado on 12 mm thick cement plaster 1.3 in base an pioned with white cement slurry in joints including bevelled corners.sqm692.731100.54762377.0753Pro & King Marbie Stone flooring with 14 to 18 mm base of cement mortar 1.4 (1 cement : 4 coarse s and) laid and jointed with grey cement slurry including rubbing and polishing complete (Minimum width of Thapp should be 3' to 4 ywith: mt that shade of marble shall approved by Engineer in charge 20 wer 20 mm (normat 1.3 lid and jointed with weite cement slurry with pigment to match the shade of marble including rubbing & Sqm200.52131.9126450.5954Baroda green marble flooring 20mm to 30mm thick over 1.2.5 mm thick base of Cement mortar 1.3 lid and jointed with weite cement slurry mixed with pigment to marble including rubbing & SqmSqm8502042.621736227.0055Kotah stone tile flooring 20mm to 30mm thick over 1.2.5 mm thick base of cament nortar 1.3 (1 cement; 3 sand) laid and jointed with nest cement slurry mixed with pigment to match the shade of stone including rubbing and polishing.0.00aFor Ground Floor For Ground FloorSqm180.471324.22238981.9856Kota towe tile 20 conce takes with approxed with with ezement slurry mixed with withe zement slur		Conglomerate floor 50 mm thick cement concrete topping 1:2:4.				46387.65
50         Conglomerate floor 35mm thick cement concrete topping 1:36         Sqm         RO         140.22         0.00           51         Extra labour for projected nosing of staircase of any shape and design         Metrer         330         9.23         3044.84           52         Coloured glazed lies 20 cm x 20 cm and 5 mm thick in skirting and dado nt 2 mm thick cement plaster inclusing unduing bevelot dcomers.         sqm         692.73         1100.54         762377.07           53         Pro & fxing Marble Stone flooring with 14 to 18 mm thick arable stone (sample of marble shall approved by Engineer in charge) over 20 mm (average) thick base of cement morat 14 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including urbbing and polishing complete (Minimum width of Thapp should be 3'to 4'with: marb the shade of marble including rubbing sk         mtr         200.52         131.91         26450.59           54         Baroda green marble fooring 15mm to 20mm thick over 12.5 mm thick base of Cament mortar 1.3 laid and jointed with white cement slurry with pigment to marb the shade of marble including rubbing sk         Sqm         180.47         1324.22         238981.98           55         Kotah stone file 30m thick in skitting rises of steps dado walls and plains laid in 12.5 mm thick cement mortar 1.3 and jointed with heat cement slurry mixed with pigment to marb the shade of stone including mortar 1.4 (1 cement 1.4 coarse sand), including groung and plaing vitrified floor tiles in different sizes (fluckness to be specified by the marufacturent with wear absorptice lass than 0.08% and conforming	49		Sam	RO	134.28	0.00
51         Extra labour for projected nosing of staircase of any in skitpe and design         Metre         330         9_23         3044.84           52         Coloured glazed tiles 20 cm x 20 cm and 5 mm thick in skitting and dado n12 mm thick cement plaster in bitking and dado n12 mm thick cement plaster by Engineer in charge) over 20 mm (average) thick base of cement mortar 14 (1 cement 1 4 corse sand) laid and jointed with grey cement slumy including publing and polishing complete (Mimimu width of Thappi should be 3' to 4)with: and jointed with yery cement slumy including rubbing and polishing complete (Mimimu width of Thappi should be 3' to 4)with: and a jointed with white cement slumy including rubbing and polishing complete (Mimimu width of Thappi should be 3' to 4)with: and a jointed with white cement slumy including rubbing and polishing.         Sgm         850         2042.82         1736227.00           54         Baroda green marble oround floor         Sgm         180.47         1324.22         238981.98           56         Kotah stone tile flooring 20mm thick over r12.5 mm thick base of stone including rubbing and polishing.         Sgm         180.47         1324.22         238981.98           56         Kota stone tiles 20 mm thick in skirting rises of steps dato wath and pilans tak in skirting rises of steps dato wath and pilans tak in skirting rises of steps dato wath and pilans tak in skirting rises of steps dato wath and pilans tak in a 2.5 mm thick cement mortar 1.3 and jointed with neat cement slumy mixed wath grap othering.         Sigm         140.47         1324.22         238981.98         56 <td< td=""><td>50</td><td>Conglomerate floor 35mm thick cement concrete</td><td></td><td></td><td></td><td></td></td<>	50	Conglomerate floor 35mm thick cement concrete				
in skitting and dado on 12 mm thick cement plaster       sgm       692.73       1100.54       762377.07         53       Pro & Kingin Marble Stone flooring with 14 to 14 mm       sgm       692.73       1100.54       762377.07         53       Pro & Kingin Marble Stone flooring with 14 to 14 mm       sgm       692.73       1100.54       762377.07         54       Brote Kingin Marble Stone flooring with 14 to 14 mm       sgm       692.73       1100.54       762377.07         54       Baroda greent mortar 14 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete (Minimum marbit) be 3' to 3'with':       mtr       200.52       131.91       26450.59         54       Baroda green marble flooring 15mm to 20mm thick over t1.5 mm thick base of cement mortar 1.3 (1 cement; 3 sand) laid and jointed with next cement slurry mixed with pigment to match the shade of stone including rubbing and polishing.       Sgm       850       2042.62       1736227.00         56       Kota stone tile flooring 20mm toik to kerent slurry mixed with pigment to match the shade of stone including rubbing and polishing.       Sgm       800.47       1324.22       238981.98         56       Kota stone tile 320 mm thick in skirting rises of stops dado walls and pillare sluid in 1.25 mm thick cement mortar 1.3 (1 cement; sluid in 1.25 mm thick base and polishing an 20.0	51	Extra labour for projected nosing of staircase of any shape and design		330		3044.84
thick marble stone (sample of marble shall approved by Engineer in charge) over 20 mm (average) thick base of cement mortar 1.4 (1 cement : 4 coarse sand) laid and jointed with grey cement surry including rubbing and polishing complete (Minimum width of Thappi should be 3' to 4')with: mtr       mtr       200.52       131.91       26450.59         54       Barcoda green marble flooring 15mm to 20mm thick over 12.5mm thick base of Cernent mortar 1.3 laid and jointed with while cement siurry mixed with pigment to match the shade of marble including rubbing & Polishing.       Sqm       850       2042.62       1736227.00         55       Kotah stone tile flooring 20mm to 30mm thick over 12.5 mm thick base of cement mortar 1.3 (1 cement; 3 sand) laid and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing.       Sqm       180.47       1324.22       238981.98         56       Kota stone tiles 20 mm thick in skirting rises of steps dado walls and pillars laid in 12.5 mm thick cement mortar 1.3 and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing       Sqm       31.11       1319.25       41041.95         57       Providing and palying vittified floor tiles in different sizes (thickness to be specified by the manufacture) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1.4 (1 cement : 4 coarse sand), including grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of mix width, using epoxy grout mix of 0	52	in skirting and dado on 12 mm thick cement plaster 1:3 in base an joined with white cement slurry in joints including bevelled corners.	sqm	692.73	1100.54	762377.07
54       Baroda green marble flooring 15mm to 20mm thick over 12.5mm thick base of Cement mortar 1:3 laid and jointed with white cement slurry with pigment to match the shade of marble including rubbing as Polishing.       Sqm       850       2042.62       1736227.00         55       Kotah stone tile flooring 20mm to 30mm thick over including rubbing and polishing.       0.00       0.00         3       sand) laid and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing.       0.00         a       For Ground Floor       Sqm       180.47       1324.22       238981.98         56       Kota stone tiles 20 mm thick in skirting rises of steps dado walls and pillars laid in 12.5 mm thick cement mortar 1:3 and polishing       0.00       0.00         a       For Ground Floor       Sqm       31.11       1319.25       41041.95         57       Providing and polishing       0.00       0.00       0.00         a       For Ground Floor       Sqm       31.11       1319.25       41041.95         57       Providing and polishing       0.00m thick cement mortar 1:4 (1 cement: 4 coarse sand), including rubbins with white cement and matching pigments etc., complete.       a       Size of Tile 60 x 60 cm (basic rate Rs. 880.00 per Sqm       1445       1402.55       2026684.75         58       Grouting the joints of flooring tiles having joints of 3 mwith, withe c	53	thick marble stone (sample of marble shall approved by Engineer in charge) over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete (Minimum	mtr	200.52	131.91	26450.59
55       Kotah stone tile flooring 20mm to 30mm thick over 12.5 mm thick base of cement mortar 1:3 (1 cement; 3 sand) laid and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing.       0.00         a       For Ground Floor       Sqm       180.47       1324.22       238981.98         56       Kota stone tiles 20 mm thick in skirting rises of steps dado walls and pillars laid in 12.5 mm thick cement mortar 1:3 and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing       0.00         a       For Ground Floor       Sqm       31.11       1319.25       41041.95         57       Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.       Sqm       1445       1402.55       2026684.75         58       Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.       0.00       187.95       0.00         59       White marble tiles with Light Green I Yellowish streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matc	54	Baroda green marble flooring 15mm to 20mm thick over 12.5mm thick base of Cement mortar 1:3 laid and jointed with white cement slurry with pigment to match the shade of marble including rubbing &				
aFor Ground FloorSqm180.471324.22238981.9856Kota stone tiles 20 mm thick in skirting rises of steps dado walls and pillars laid in 12.5 mm thick cement mortar 1.3 and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing0.00aFor Ground FloorSqm31.111319.2541041.9557Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.Sqm14451402.552026684.7558Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.SqmRO187.950.0059White match lies with Light Green I Yellowish streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slury including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in all respect.Sqm2752423.05666338.2059I have first Floor.Sqm1680.22.704536.5459I have first Floor.Sqm1680.22.704536.5450	55	Kotah stone tile flooring 20mm to 30mm thick over 12.5 mm thick base of cement mortar 1:3 (1 cement; 3 sand) laid and jointed with neat cement slurry mixed with pigment to match the shade of stone				
56       Kota stone tiles 20 mm thick in skirting rises of steps dado walls and pillars laid in 12.5 mm thick cement mortar 1.3 and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing       0.00         a       For Ground Floor       Sqm       31.11       1319.25       41041.95         57       Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.       Sqm       1445       1402.55       2026684.75         58       Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.       0.00         a       Size of Tile 60 x 60 cm.       Sqm       RO       187.95       0.00         59       White marble tiles with Light Green I Yellowish streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slury including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in all respect.       Sqm       275       2423.05       666338.20         i       Extra for First Floor.			0	400.47	4004.00	
dado walls and pillars laid in 12.5 mm thick cement mortar 1:3 and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing0.00aFor Ground FloorSqm31.111319.2541041.9557Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.Sqm14451402.552026684.7558Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.SqmRO187.950.00aSize of Tile 60 x 60 cm.SqmRO187.950.00aSize of Tile 60 x 60 cm.SqmRO187.950.0059White marble tiles with Light Green I Yellowish streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slurry including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in			Sqm	180.47	1324.22	238981.98
aFor Ground FloorSqm31.111319.2541041.9557Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.Sqm14451402.552026684.7538Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.SqmRO187.950.0039White marble tiles with Light Green I Yellowish streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slurry including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in all respect.Sqm2752423.056666338.20iExtra for First Floor.Sqm1680.22.704536.54iiExtra for Fior Second Floor.Sqm1680.28.3414012.87	90	dado walls and pillars laid in 12.5 mm thick cement mortar 1:3 and jointed with neat cement slurry mixed with pigment to match the shade of stone including				
57       Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.       a       Size of Tile 60 x 60 cm (basic rate Rs. 880.00 per SqMetre)       Sqm       1445       1402.55       2026684.75         58       Grouting the joints with using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.       0.00         a       Size of Tile 60 x 60 cm.       Sqm       RO       187.95       0.00         a       Size of Tile 60 x 60 cm.       Sqm       RO       187.95       0.00         a       Size of Tile 60 x 60 cm.       Sqm       RO       187.95       0.00         a       Size of Tile 60 x 60 cm.       Sqm       RO       187.95       0.00         b       White marble tiles with Light Green I Yellowish streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slurry including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in all respect.       Sqm       2.70       4536.54         i       Extr	2		Sam	31 11	1310.25	
SqMetre)Sqm14451402.552026684.7558Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.Image: Complete in the second s	57	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	Sqm	51.11	1319.23	41041.95
mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.0.00aSize of Tile 60 x 60 cm.SqmRO187.950.0059White marble tiles with Light Green I Yellowish streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slurry including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in all respect.Sqm2752423.05666338.20iExtra for First Floor.Sqm1680.22.704536.54iiExtra for Second Floor.Sqm1680.25.569341.91iiiExtra for third Floor.Sqm1680.28.3414012.87		SqMetre)	Sqm	1445	1402.55	2026684.75
59White marble tiles with Light Green I Yellowish streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slurry including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in all respect.Sqm2752423.05666338.20iExtra for First Floor.Sqm1680.22.704536.54iiExtra for Second Floor.Sqm1680.25.569341.91iiiExtra for third Floor.Sqm1680.28.3414012.87	58	mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.				
streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slurry including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in all respect.Sqm2752423.05666338.20iExtra for First Floor.Sqm1680.22.704536.54iiExtra for Second Floor.Sqm1680.25.569341.91iiiExtra for third Floor.Sqm1680.28.3414012.87			Sqm	RO	187.95	0.00
ii         Extra for Second Floor.         Sqm         1680.2         5.56         9341.91           iii         Extra for third Floor.         Sqm         1680.2         8.34         14012.87	59	streaks arranged from Morwad of 18 mm to 20 thick in risers of skirting dado, pillars and wall lining including matching the 1:3 and jointed neat cement slurry including the cost of cramps labour for fixing cramps pins and dowels etc. including rubbing and polishing complete in all respect.				
iii Extra for third Floor. Sqm 1680.2 8.34 14012.87	i					
	60	Anti-skid floor tiles10 mm thick in flooring matching	Sqm Sqm	1680.2 162.72	8.34 972.88	14012.87 158307.03

					f
	with shade of wall tiles in 12.5mm thick cement				
	plaster 1:3 in base and jointed with white cement slurry in joints including corners angles and beading.				
	(Basic Rate Rs. 650 sqm)				
61	Black Granite stone tiles 15 mm to 18 mm thick in				
	skirting, flooring, risers of steps, dado walls and				
	pillars laid in 12.5mm thick cement mortar 1:3 (1				
	cement 3 coarse sand) and jointed with neat cement				
	slurry mixed with pigment to match the shade of				
	stone, including rubbing and polishing including				
	labour for fixing dowel pins and cramps.			1100.00	0.00
	All shades	Sqm	30.01	4423.38	132745.63
62	Coloured Granite stone tiles 15 mm to 18 mm thick				
	in skirting, flooring, risers of steps, dado walls and				
	pillars laid in 12.5mm thick cement mortar 1:3 (1				
	cement 3 coarse sand) and jointed with neat cement				
	slurry mixed with pigment to match the shade of				
	stone, including rubbing and polishing including				0.00
	labour for fixing dowel pins and cramps.	C.m.	11.52	1050 10	0.00
22	All shades	Sqm	11.52	4858.49	55969.78
63	Extra for fixing marble/granite stone over and above				
	corresponding basic item, in facia and drops of width upto 150mm with epoxy resin based adhesive				
	including cleaning etc. complete.	R Metre	RO	247.40	0.00
64	Extra for marble / granite stone flooring in treads of	R Metre	κυ	247.40	0.00
04	steps and risers using single length upto 2.0 Metre.	Sqm	75.6	320.30	24214.68
65	Providing edge moulding to 18 mm thick marble	Oqiii	70.0	020.00	24214.00
00	stone counters, Vanities etc., including machine				
	polishing to edge to give high gloss finish etc.				
	complete as per design approved by Engineer-in-				
	Charge.				0.00
а	Marble work	Metre	RO	136.10	0.00
b	Granite Work	Metre	RO	230.55	0.00
<del>.</del> 6	Extra for providing opening of required size & shape	mouro	1.0	200.00	0.00
	for wash basins/kitchen sink in kitchen platform,				
	vanity counters and similar location in marble/stone				
	work including necessary holes for pillar taps etc				
	including rubbing and polishing of cut edges etc.				
	complete.	Each	16	386.60	6185.60
67	Providing & fixing Morwar stone strips 12 to 15mm.				
	thick in flooring of desired pattern as per design &				
	drawing taken from marble slabs to match with				
	subsequent marble joint with 20mm. thick cement				
	mortar 1:3 ratio jointed with neat cement slurry				
	including filling of matching shade colouring pigment				
	with the basic marble in floors. (Joint to be matched				
	with the basic marble in floors. (Joint to be matched with main floor joints)				0.00
	with the basic marble in floors. (Joint to be matched with main floor joints) Size from 40mm. To 75mm. Wide	Metre.	Ro	180.00	0.00
b	with the basic marble in floors. (Joint to be matched with main floor joints) Size from 40mm. To 75mm. Wide Size above 75 mm upto 150mm. Wide	Metre. Metre.	Ro Ro	180.00 360.00	
b	with the basic marble in floors. (Joint to be matched with main floor joints) Size from 40mm. To 75mm. Wide Size above 75 mm upto 150mm. Wide Cutting chases in brickwork to make skirting flush	Metre.	Ro	360.00	0.00 0.00
b	with the basic marble in floors. (Joint to be matched with main floor joints) Size from 40mm. To 75mm. Wide Size above 75 mm upto 150mm. Wide Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height				0.00
b	with the basic marble in floors. (Joint to be matched with main floor joints) Size from 40mm. To 75mm. Wide Size above 75 mm upto 150mm. Wide Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height PLASTERING, POINTING, WHITE WASHING AND	Metre.	Ro	360.00	0.00 0.00 0.00
b 38	with the basic marble in floors. (Joint to be matched with main floor joints) Size from 40mm. To 75mm. Wide Size above 75 mm upto 150mm. Wide Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING	Metre. Metre	Ro RO	360.00 20.00	0.00 0.00 0.00 0.00
b i8 i9	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> </ul>	Metre. Metre Sqm	Ro RO 4016.53	360.00 20.00 108.04	0.00 0.00 0.00 0.00 433959.40
b 38 39 70	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> </ul>	Metre. Metre	Ro RO	360.00 20.00	0.00 0.00 0.00 0.00
b 38 39 70	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than</li> </ul>	Metre. Metre Sqm	Ro RO 4016.53	360.00 20.00 108.04	0.00 0.00 0.00 0.00 433959.40
b 38 39 70	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of</li> </ul>	Metre. Metre Sqm Sqm	Ro RO 4016.53 4016.53	360.00 20.00 108.04 146.65	0.00 0.00 0.00 433959.40 589004.20
69 70 71	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof</li> </ul>	Metre. Metre Sqm	Ro RO 4016.53	360.00 20.00 108.04	0.00 0.00 0.00 0.00 433959.40
9 0 1	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof</li> <li>Plastering on underside of ceiling with 10mm thick</li> </ul>	Metre Metre Sqm Sqm Sqm	Ro RO 4016.53 4016.53 RO	360.00 20.00 108.04 146.65 19.73	0.00 0.00 0.00 433959.40 589004.20 0.00
9 0 2	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof</li> <li>Plastering on underside of ceiling with 10mm thick cement plaster 1:3</li> </ul>	Metre Metre Sqm Sqm Sqm	Ro RO 4016.53 4016.53 RO 5382.95	360.00 20.00 108.04 146.65 19.73 103.92	0.00 0.00 0.00 433959.40 589004.20 0.00 559398.96
b 88 69 70 71 72 73	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof</li> <li>Plastering on underside of ceiling with 10mm thick cement plaster 1:3</li> <li>Cement rendering on plaster 1mm thick</li> </ul>	Metre Metre Sqm Sqm Sqm	Ro RO 4016.53 4016.53 RO	360.00 20.00 108.04 146.65 19.73	0.00 0.00 0.00 433959.40 589004.20 0.00 559398.96 212838.31
b 58 59 70 71 72 73 74	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof</li> <li>Plastering on underside of ceiling with 10mm thick cement plaster 1:3</li> <li>Cement rendering on plaster 1mm thick</li> <li>Extra for plaster in subsequent floor</li> </ul>	Metre. Metre Sqm Sqm Sqm Sqm sqm	Ro RO 4016.53 4016.53 RO 5382.95 5383.95	360.00 20.00 108.04 146.65 19.73 103.92 39.53	0.00 0.00 0.00 433959.40 589004.20 0.00 559398.96 212838.31 0.00
b 58 59 70 71 72 73 74 a	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof</li> <li>Plastering on underside of ceiling with 10mm thick cement plaster 1:3</li> <li>Cement rendering on plaster 1mm thick</li> <li>Extra for plaster in subsequent floor first</li> </ul>	Metre. Metre Sqm Sqm Sqm Sqm sqm Sqm	Ro RO 4016.53 4016.53 RO 5382.95 5383.95 3354.00	360.00 20.00 108.04 146.65 19.73 103.92 39.53 1.62	0.00 0.00 0.00 433959.40 589004.20 0.00 559398.96 212838.31 0.00 5433.48
b 58 59 70 71 72 73 74 a b	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof</li> <li>Plastering on underside of ceiling with 10mm thick cement plaster 1:3</li> <li>Cement rendering on plaster 1mm thick</li> <li>Extra for plaster in subsequent floor first second</li> </ul>	Metre. Metre Sqm Sqm Sqm Sqm sqm Sqm Sqm	Ro RO 4016.53 4016.53 RO 5382.95 5383.95 3354.00 3354.00	360.00 20.00 108.04 146.65 19.73 103.92 39.53 1.62 3.34	0.00 0.00 0.00 433959.40 589004.20 0.00 559398.96 212838.31 0.00 5433.48 11202.36
a b 68 70 71 72 73 74 a b c 75	<ul> <li>with the basic marble in floors. (Joint to be matched with main floor joints)</li> <li>Size from 40mm. To 75mm. Wide</li> <li>Size above 75 mm upto 150mm. Wide</li> <li>Cutting chases in brickwork to make skirting flush with plaster upto 100 mm height</li> <li>PLASTERING, POINTING, WHITE WASHING AND DISTEMPERING</li> <li>12.5 mm thick cement plaster 1:5</li> <li>20 mm thick cement plaster 1:5 in two coats work</li> <li>Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof</li> <li>Plastering on underside of ceiling with 10mm thick cement plaster 1:3</li> <li>Cement rendering on plaster 1mm thick</li> <li>Extra for plaster in subsequent floor first</li> </ul>	Metre. Metre Sqm Sqm Sqm Sqm sqm Sqm	Ro RO 4016.53 4016.53 RO 5382.95 5383.95 3354.00	360.00 20.00 108.04 146.65 19.73 103.92 39.53 1.62	0.00 0.00 0.00 433959.40 589004.20 0.00 559398.96 212838.31 0.00 5433.48

					fska
	ready mixed cement based wall putty by applying				KSM
	two coats to get required finish				
76	Applying priming coat with cement primer in all				
	shades on newly plastered or concrete exterior surfaces.	Sam	13416	20.91	270220 50
77	Distempering with acrylic washable oil bound	Sqm	13410	20.81	279220.50
"	distemper ( of approved manufacture) two coats				
	over one priming coat on new work	Sqm	9399	53.40	501932.23
78	Finishing walls with Premium Acrylic smooth exterior	oqiii	0000	00.10	001002.20
	paint with silicon additives of required shade with				
	two coats applied @ 1.43litre/10 sqm over and				
	including base coat of water proofing Cement Paint				
	applied @ 2.20 Kg/10 sqm	Sqm	4016.53	97.74	392575.64
79	Preparation of plywood surface for painting				
	including sand papering the surface & applying filling				
	with approved quality fillers consisting of white lead,				
	linseed oil, Varnish, and Chalk Mitti including	-			
	finishing the surface to required finish complete.	Sqm	1708.72	33.86	57861.53
	With special quality paint				0.00
80	Applying priming coat with metal primer on new steel				
	or iron work including preparation of surface. With		1700 70	00.50	05000 70
04	special quality paint	Sqm	1708.72	20.50	35028.76
81	Painting two coats excluding priming coat with				
	synthetic enamel paint in all shades on wood work,				
	metallic or plastered, concrete surface to give an even shade.	Sqm	998.17	58.10	57993.68
82	Painting two coats excluding priming coat with ready	Sqiii	330.17	30.10	57 995.00
02	mixed paint for metallic surfaces in all shades on				
	steel or iron work	sqm	120.66	51.75	6244.16
	WOOD WORK	oqiii	120.00	01110	0.00
83	Supply & Fixing of door frames (Chowkats)				0.00
	consisting of frame fabricated from sheet roll formed				
	out of 1.20mm thick galvanized sheet as per IS :277				
	(base steel as per IS:513) with zinc of 120 gm./sqm.				
	& powder coated with pure Polyester powder up to				
	50 microns ( as per approved colour) , 3 nos.				
	100mm butt hinges 2mm. thick, 6 nos. 1.2mm. thick				
	CRCA electroplated stiffners,6 nos. M.S. hold fasts				
	with split and tail welded to stiffner plate 200mm long				
	, receiver for aldrop, M.S. tie rod 50mmx25mm to be				
	fixed at bottom finished with powder coated total				
	thickness of coating 0.60 mm of approved shade,				
	fixed in position including including the cost of				
	cement concrete 1:2:4 for lugs complete in all				
	respects as per drawing, design, specifications &				0.00
	entire satisfaction of Engineer in charge.	mtr	1745	1049.65	0.00 1831639.25
84	80mmx50mmx37mm single rebate Supply & Fixing of door frames (Chowkats)	110	1740	1049.00	1031039.20
04	consisting of frame fabricated from sheet roll formed				
	out of 1.20mm thick galvanized sheet as per IS :277				
	( base steel as per IS:513) with zinc of 120 gm./sqm.				
	& powder coated with pure Polyester powder up to				
	50 microns ( as per approved colour), 3 nos.				
	100mm butt hinges 2mm. thick, 6 nos. 1.2mm. thick				
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	, receiver for aldrop, M.S. tie rod 50mmx25mm to be				
	fixed at bottom finished with powder coated total				
	thickness of coating 0.60 mm of approved shade,				
	fixed in position including including the cost of				
	cement concrete 1:2:4 for lugs complete in all				
	respects as per drawing, design , specifications &				
	entire satisfaction of Engineer in charge.				0.00
	125mmx60mmx37mm double rebate	mtr	1773	1364.78	2419754.94
85	Chowkat of Sal wood for doors and windows				
	including iron hold fast, corner straps, cleats, stops		-	07574.00	407070.00
	for fixing shutters of approved make, bolts for hold	Cum	5	97574.00	487870.00

					k
	fasts, screws for fixing hinges etc. complete fixed in				K
	position as directed by Engineer-in-charge.				na 111 <b>-</b>
86	Providing and fixing Ivory Coast wood beading to				
	door windows chowkats with iron screws fixed in				0.00
i	position complete as per design and shape required 50 mm x 12 mm	Mtr	1390	79.31	0.00 110240.90
87	Providing & fixing glazed shutters for doors, windows	IVIU	1590	79.01	110240.90
0.	& clerestory windows without glass including black				
	enamelled ISI marked M.S butt hinges with				
	necessary screws complete in all respects.				0.00
i	35mm th. Ivory Coast wood without glass.	Sqm	405	1851.97	750047.85
88	Providing and fixing 35mm thick wire gauze shutters				
	using galvanised M.S wire gauze of average width of aperture 1.4mm with wire of dia 0.63 mm for doors,				
	windows and clerestory windows including ISI				
	marked bright finished or / and black enamelled M.S				
	butt hinges with necessary screws				0.00
i	35mm th. Ivory Coast wood.	Sqm	455	2064.72	939447.60
89	Cost of Aluminum fittings ISI marked complete for				
	doors, windows, such as tower bolts, handles and				
	screws etc. for these fittings (excluding sliding bolts).	0.0100	004	100.75	0.00
a b	For shutter area up to 0.50 sqm For shutter area above 0.50 sqm	sqm	234 79.4	180.75 144.04	42294.45 11436.58
90	Providing & fixing Hydraulic door closer to wire	sqm	79.4	144.04	11430.56
30	gauge shutters of usperior quality.				0.00
i	I.S.I Designation No. III (size of door up to 1000 m.)	each	85	1131.32	96162.54
91	Hot finished welded type tubes Steel work in built up				
	tubular ( round, square or rectangular hollow				
	tubesetc.) trusses etc., including cutting, hoisting,				
	fixing in position and applying a priming coat of				
	approved steel primer, including welding and bolted with special shaped washers etc. complete.	ka	2685	93.50	251047.50
92	Providing & fixing glazing in door, window, ventilator	kg	2005	93.50	251047.50
52	shutters etc. complete as per architectural drawings				
	and the directions of Engineer in charge. (Cost of				
	gasket / beading shall be paid as per respective				
	item).				0.00
i	Glass panes 4mm thick above 0.40 sqm area.	sqm	175	637.10	111492.50
93	Providing and fixing ISI marked oxidised sliding bolt 250 x16 mm with nuts & bolts complete.	aaab	162	111 00	10007.01
94	Wrought iron and mild steel ladders, framed grills,	each	163	111.88	18237.01
94	grating etc, with ends of bars riveted or welded or				
	forged framed window guards, barred iron doors				
	stair case, iron railing including cost of bolts and nuts				
	or screws or welding rod, complete fixed in position	Qtl	10	7540.48	75404.84
95	Cold twisted deformed (Ribbed/ Tor Steel Bar)Bars				
	Fe 500 grade as per IS 1786-1985, for R.C.C works,				
	where not including in the complete rate of RCC including bending and placing in position complete	Qtl	1085	5053.41	5482946.49
96	Providing and fixing stair case railing made out of	Qu	1000	0000.41	0402040.40
	M.S. square bars 25mm x 25mm as vertical part				
	0.70 m high fixed with M.S. base plate of 40mm				
	x40mm x 6mm and flat iron 40mm x 6mm as hand				
	rail complete in all respect.	Qtl	7.5	7540.48	56553.60
<u>a</u>	Providing and fixing bolts in steps	each	150	50.00	7500.00
97	Factory manufactured solid flush door fixed in position including cost of teak wood chowkats iron				
	hold fast, corner straps iron hinges cleats and stops				
	etc. (excluding the cost of any fittings other than				
	specified above but including labour for fixing the				
	same in position.)				0.00
а	35 mm thick	Sqm	475	2930.42	1391951.40
b	25 mm thick CB	Sqm	460	2469.46	1135949.76
98	Providing & supplying aluminium extruded tubular &				
	other aluminium sections as per the architectural drawings and approved shop drawings , the				
	aluminium quality as per grade 6063 T5 or T6 as per	sqm	56.76	6647.10	377289.40
			30.10	0011.10	5.7200.40

				Plarme
60-80 microns confo	super durable powder coating of orming to AAMA 2604 of required s approved by the Engineer-in-			Tar.
Charge.( The item in cleats, sleeves, scree	ncludes cost of material such as ws etc. necessary for fabrication			
shall be paid on this testing, protection,	ium frame work. Nothing extra account). Designing, fabricating, installing and fixing in position			
open joints) for linea	system of structural glazing (with ar as well as curvilinear portions heights and all levels, including:			
shop drawings for	is & design and preparation of r the specified design loads 375 part III (the system must			
passed the proof pressure without a	test at 1.5 times design wind ny failure), including functional inum sections for fixing glazing			
panels of various sleeves and splice	thicknesses, aluminium cleats, plates etc. gaskets, screws,			
weather silicone	s, clamps etc., structural and sealants, flashings, fire stop seals, microwave cured EPDM			
drainage and pro	ghtness, pressure equalisation& otection against fire hazard ting and supplying serrated M.S.			
hot dip galvanised brackets of required	/ Aluminium alloy of 6005 T5 sizes, sections and profiles etc. 3 Dimentional movement for			
achieving perfect glazing system	verticality and fixing structural rigidly to the RCC/ steel framework of building			
structure using sta bolts, nylon seperat	inless steel anchor fasteners/ or to prevent bimetallic contacts			
316, of the requi numbers.	ers etc. of stainless steel grade red capacity and in required			
structural silicone	filling, two part pump filled, sealant and one part weather ompatible with the structural			
controlled factory/ w	equired bite size in a clean and ork shop environment , including tape, setting blocks and backer			
rod, all of ap manufacture,as per				
d) Providing and fix aluminium sheet 1	ing in position flashings of solid mm thick and of sizes, shapes uired as per the site conditions,			
to seal the gap betw its interfaces with	een the building structure and all curtain glazing to make it			
that enters the cur	for drainage of moisture/ water tain glazing system to make it			
equalization, provid bottom (if required	porating principles of pressure ling suitable gutter profiles at ), making necessary holes of			
complete. This item	d of required numbers etc. n includes cost of all inputs of pr fabricating and installation of			
scaffolding and oth	tallation of glazed units, T&P, er incidental charges including bling temporary structures and			
services, cranes or and as specified.T	cradles etc. as described above the item includes the cost of uctural and functional design			
including shop dra designer, dully appro	wings checked by a structural oved by Engineer-in-charge. The			
	he cost of all mock ups at site,	1 1	<u> </u>	

		Rek	ame
Cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop dravings and as directed by the Engineer in charge. 1. Performance Laboratory Test for Air Leakage Test (-50pa to – 300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 m/hr". 2. Static Water Penetration Test. (50pa to 1500pa) as per ASTME- 331-09 testing method for a range up to 2000 ml." 3. Dynamic Water Penetration (50pa to 1500pa) as per ASTME-330-10 testing method for a range upto 2000 ml." 4. Structural Performance Deflection and deformation by static air pressure test (1.5 times desing wind pressure without any failure) as per AAMA 501.4-09 testing method for a range upto 50 mm" 5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for a pressure range 50 kpa to 240 kpa (35psi) upto 2000ml" Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6- 12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthned clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and second			2 mg
Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this subhead. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves ) on the external face			

					ficks	am
	shall be measured in sqm. up to two decimal places. Note:-2. The following performance test are to be				181	
	conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accreditated by NABL(National					
	Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable					
	separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the					
	work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NBL Certified					
	laboratories (i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm					
	Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light					
	transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of					
	3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.					
99	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at					
	site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -					
	point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts,					
	washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as					
	specified and as directed by the Engineer-in- Charge.	sqm	22.7	3062.25	69513.08	
100	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate z					
	sections and other sections conforming to Is: 733 and IS : 1285 of Jindal, Hindalco, Mahavir or equivalent make approved by Engineer in Charge ,					
	fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and					
	sides with required PVC Plug/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever					
	required including cleat angle, Aluminium snap beading for glazing/paneling, C.P.brass / stainless					
	steel screws, all complete as per architectural drawings and the directions of Engineer-In- Charge. (Glazing and paneling to be paid for separately)				0.00	
i 101	For fixed portion and chaukhats	kg.	521.29	339.17	176805.93	
101	For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and labour for fixing of fittings wherever required					
102	including the cost of PVC Plug / neoprene gasket required	kg.	148.4	351.84	52213.06	
IUZ	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC Plug/ neoprene gasket etc. complete as per the architectural drawings and the directions of					
	engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item) Float glass panes of 5.5 mm thickness	Sqm	29.55	976.58	28857.94	
103	Providing Polyster Powder Coating 50 micron any colour specified to aluminium section of various	kg	669.69	50.81	34026.95	

					fskar
					Ska.
104	sizes including carriage from market to wrkshop. Cost of Aluminium fittings ISI marked complete for				0.1.2000
104	doors, windows, such as tower bolts, handles and				
	screws etc. for these fittings (excluding sliding bolts).				0.00
i	For shutter area above 0.50 sqm	sqm	26.5	144.04	3817.06
105	Providing and applying Anti Termite Treatment	Juli	20.0	144.04	0017.00
100	using pre constructional chemical treatment				
	measures as per IS - 6313 - 2001 (Part 2) & using				
	Chemical containing chloropyrifos systemic				
	insecticide diluted to manufacturer's specifications				
	(i) In foundation pits, by treating the bottom & sides				
	up to height of 300mm by uniformly spraying solution				
	@ 5 Litre / sqm (ii) In the refill earth on both sides of				
	all built up walls @ 7.5 Litre / Running meter (width -				
	300 mm, depth - 450 mm) (iii) Before laying the				
	floor, by uniformly sprinkling the top surface of the consolidated earth within the outer perimeter @ 5				
	Litre solution per sqm.				0.00
		Ltr	450.113	336.36	151400.01
	TOTAL CIVIL WORKS				38431454.43
	Public health Internal work				
1	Excavation for pipe lines in trenches and pits,				
	including trimming and dressing sides, levelling of				
	beds of trenches to correct grade, cutting joint holes,				
	refilling, consolidation and watering of refill in 15 cm				
	Layers and restoration of unmettaled or unpaved				
	surface to its original condition including the cost of				
	necessary shoring, timbering, dewatering of				
	rainwater, diversion for traffic, night singlals, fixing caution boards, crossing over trenches for access to				
	the houses, watching, fencing, etc., and removal of				
	surplus spoil out side/inside the town involving lead				
	upto 1.00km.				
	All classes of soil except rocky.	cum	150	104.5	15675.00
2	Providing ISI marked G.M. ferrule as per IS ;2692,				
	drilling and tapping cast iron pipe lines of all				
	diametres and screwing in Ferrule and connections				
	complete in all respect.				0.00
	15mm i/d Ferrule heavy duty	Each	5	412	2060.00
3	Providing and laying, jointing fixing and testing IS				
	marked G.I. Pipe (as per IS 1239) B-Class Premium				
	make such as(jindalHissar) including cost of specials				
	such as tees, bends,sockets, elbows etc.painting with anti corrosivebitumastic paint testing,				
	cutting,threading Inside building complete.				0.00
i	15mm i/d	mt.	150	175	26250.00
ii	20mm i/d	mt.	100	218	21800.00
iii	25mm i/d	mt.	100	289	28900.00
iv	32mm i/d	mt.	75	367	27525.00
V	40mm i/d	mt.	75	415	31125.00
4	Providing and laying, jointing, fixing,testing G.I. Pipe				
	Lines (as per IS 1239) B- Class, Premium make				
	such as (Jindal Hissar) including cost of Specials				
	such as tees, bends, sockets elbow etc., cutting,				
	threading and testing in trenches in the ground				0.00
i	complete. 50mm i/d	mt.	75	443	33225.00
5	Providing, fixing and jointing Union Couplings of		. 0		00220.00
	approved make with the approval of EIC as per IS				
	1879 in G.I. Pipe lines complete in all respects.				0.00
i	15mm i/d G.I. Union	Each	12	86.5	1038.00
ii	20mm i/d G.I. Union	Each	9	145.5	1309.50
iii	25mm i/d G.I. Union	Each	9	<u>184.5</u> 239	1660.50 2151.00
iv	32mm i/d G.I. Union	Each	9		

vi         50           6         P           i         11           ii         21           iii         21           iii         21           iv         32           v         41           vi         50           7         M           9         P           0         st           9         P           0         st           i         44           10         C	20mm i/d G.I. Union         20mm i/d G.I. Union         Providing, fixing & jointing brass ball valves screwed         vith SS/Brass ball 7&spindle & Teflon seats on G.I.         sipe lines including all carriage complete.         5mm i/d Brass ball Valves.         20mm i/d Brass ball Valves.         20mm i/d Brass ball Valves.         20mm i/d Brass ball Valves.         22mm i/d Brass ball Valves.         22mm i/d Brass ball Valves.         20mm i/d Brass ball valves.	Each Each Each Each Each Each Each Each	7 7 8 6 4 4 4 4 4 4 4	319.5 409 249.5 333 528.5 863.5 1066.5 1749.5 306 608.5	2236.50 2863.00 0.00 1996.00 1998.00 2114.00 3454.00 4266.00 6998.00 1224.00
vi         50           6         P           i         11           ii         20           iii         21           iv         32           v         40           vi         50           7         M           9         P           0         st           i         40           v         41           10         C	Bomm i/d G.I. Union         Providing, fixing & jointing brass ball valves screwed         with SS/Brass ball 7&spindle & Teflon seats on G.I.         bipe lines including all carriage complete.         5mm i/d Brass ball Valves.         20mm i/d Brass ball valves.         25mm i/d Brass ball valves.         20mm i/d Brass ball valves.	Each Each Each Each Each Each Each	7 8 6 4 4 4 4 4	409 249.5 333 528.5 863.5 1066.5 1749.5 306	2863.00 0.00 1996.00 2114.00 3454.00 4266.00 6998.00 1224.00
6         P           i         11           ii         24           iii         24           iv         33           v         44           vi         50           7         M           9         P           0         S           9         P           0         S           i         44           10         C	Providing, fixing & jointing brass ball valves screwed with SS/Brass ball 7&spindle & Teflon seats on G.I. bipe lines including all carriage complete. 5mm i/d Brass ball Valves. 20mm i/d Brass ball valves. 25mm i/d Brass ball valves. 25mm i/d Brass ball valves. 22mm i/d Brass ball valves. 20mm i/d Brass ball	Each Each Each Each Each Each	8 6 4 4 4 4 4	249.5 333 528.5 863.5 1066.5 1749.5 306	0.00 1996.00 1998.00 2114.00 3454.00 4266.00 6998.00 1224.00
w           i         1!           ii         2!           iii         2!           iv         3!           v         4!           vi         50           7         M           u         et           bit         50           7         M           0         bit           8         B           cct         ct           ct         ct           9         P           9         O           st         st           i         4!           10         C	vith SS/Brass ball 7&spindle & Teflon seats on G.I. bipe lines including all carriage complete. 5mm i/d Brass ball Valves. 20mm i/d Brass ball Valves. 25mm i/d Brass ball Valves. 22mm i/d Brass ball Valves. 20mm i	Each Each Each Each Each	6 4 4 4 4 4	333 528.5 863.5 1066.5 1749.5 306	1996.00         1998.00         2114.00         3454.00         4266.00         6998.00         1224.00
pi           i         1!           ii         2!           iii         2!           iv         3!           v         4!           vi         50           7         M           ul         etc           bit         50           7         M           0         bit           8         B           CC         CC           CC         CC           9         P           0         O           st         st           i         4!           10         C	bipe lines including all carriage complete. 5mm i/d Brass ball Valves. 20mm i/d Brass ball Valves. 25mm i/d Brass ball Valves. 22mm i/d Brass ball Valves. 20mm i/d Brass ball Valves. 2	Each Each Each Each Each	6 4 4 4 4 4	333 528.5 863.5 1066.5 1749.5 306	1996.00         1998.00         2114.00         3454.00         4266.00         6998.00         1224.00
i 11 ii 22 iiv 32 v 44 vi 56 7 M u et b0 8 B cc cl cl cl cc cc cc cc cc th cc st y 9 P 0 0 st w y 10 C B	5mm i/d Brass ball Valves. 20mm i/d Brass ball valves. 55mm i/d Brass ball Valves. 52mm i/d Brass ball Valves. 52mm i/d Brass ball Valves. 50mm i/d Brass ba	Each Each Each Each Each	6 4 4 4 4 4	333 528.5 863.5 1066.5 1749.5 306	1996.00         1998.00         2114.00         3454.00         4266.00         6998.00         1224.00
ii         20           iii         22           iv         33           v         44           vi         50           7         M           9         P           0         S           9         P           0         S           i         44           10         C	20mm i/d Brass ball valves. 25mm i/d Brass ball Valves. 22mm i/d Brass ball Valves. 20mm i/d Brass b	Each Each Each Each Each	6 4 4 4 4 4	333 528.5 863.5 1066.5 1749.5 306	1998.00 2114.00 3454.00 4266.00 6998.00 1224.00
iii         24           iv         32           v         44           vi         56           7         M           9         P           0         S           9         P           0         S           i         44           10         C	25mm i/d Brass ball Valves. 22mm i/d Brass ball valves. 20mm i/d Brass b	Each Each Each Each	4 4 4 4 4	528.5 863.5 1066.5 1749.5 306	2114.00 3454.00 4266.00 6998.00 1224.00
iv         33           v         44           vi         56           7         M           up         et           bit         bit           8         B           cc         cl           cd         cl           cd         cl           g         P           O         st           w         st           i         44           10         C	22mm i/d Brass ball valves. 20mm i/d connections in fully charged pipe lines including 20mm i/d Brass ball valves. 20mm i/d Brass	Each Each Each Each	4 4 4 4	863.5 1066.5 1749.5 306	3454.00 4266.00 6998.00 1224.00
v         44           vi         55           7         M           up         et           bit         bit           8         B           cc         cl           cd         cl           cd         cd           9         P           0         St           w         st           i         44           10         C	Omm i/d Brass Ball Valves. Omm i/d Brass ball Valves. Making connection with the existing G.I.branch main up to 40mm size including cutting and threading pipe tot. complete excluding cost of tee and ling screw, but including all carriages complete. Bailing out water from the trenches for making new connections in fully charged pipe lines including cleaning trimming and dressing the trenches to correct alignment and grade as required by heEngineer-in-charge.Size of the main with which connection is to be made. Upto 300mm i/d Painting G.I.Pipes and Specials with Superior and Ordinary Quality Synthetic enamels Paint in all hades as per I.S.I. specification on existing or new	Each Each Each	4 4	1066.5 1749.5 306	4266.00 6998.00 1224.00
vi         55           7         M           u         u           et         bit           8         B           cc         cc           cl         cc           cd         cd           9         P           9         O           st         st           i         44           10         C	Making connection with the existing G.I.branch main up to 40mm size including cutting and threading pipe etc. complete excluding cost of tee and ling screw, but including all carriages complete. Bailing out water from the trenches for making new connections in fully charged pipe lines including denning trimming and dressing the trenches to correct alignment and grade as required by heEngineer-in-charge.Size of the main with which connection is to be made. Upto 300mm i/d Painting G.I.Pipes and Specials with Superior and Ordinary Quality Synthetic enamels Paint in all shades as per I.S.I. specification on existing or new	Each	4	1749.5 306	6998.00 1224.00
7M u u e e bit8B c c c c c th c9P O O sl w w si 1144 1010C B	Making connection with the existing G.I.branch main up to 40mm size including cutting and threading pipe etc. complete excluding cost of tee and ling screw, but including all carriages complete. Bailing out water from the trenches for making new connections in fully charged pipe lines including deaning trimming and dressing the trenches to correct alignment and grade as required by heEngineer-in-charge.Size of the main with which connection is to be made. Upto 300mm i/d Painting G.I.Pipes and Specials with Superior and Ordinary Quality Synthetic enamels Paint in all hades as per I.S.I. specification on existing or new	Each	4	306	1224.00
I I I I I I I I I I I I I I I I I I I	p to 40mm size including cutting and threading pipe etc. complete excluding cost of tee and ling screw, but including all carriages complete. Bailing out water from the trenches for making new connections in fully charged pipe lines including deaning trimming and dressing the trenches to correct alignment and grade as required by heEngineer-in-charge.Size of the main with which connection is to be made. Upto 300mm i/d Painting G.I.Pipes and Specials with Superior and Ordinary Quality Synthetic enamels Paint in all hades as per I.S.I. specification on existing or new				
e constructions of the construction of the con	connections in fully charged pipe lines including deaning trimming and dressing the trenches to correct alignment and grade as required by heEngineer-in-charge.Size of the main with which connection is to be made. Upto 300mm i/d Painting G.I.Pipes and Specials with Superior and Ordinary Quality Synthetic enamels Paint in all hades as per I.S.I. specification on existing or new	Each	4	608.5	2424.00
i 40 10 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ordinary Quality Synthetic enamels Paint in all hades as per I.S.I. specification on existing or new				2434.00
10 C B	urface, etc.				0.00
В	0mm & 50mm i/d G.I. Pipe	mt.	150	8.5	1275.00
a	Cutting holes upto 23cm through stone masonry or B.B. in cement walls for pipes and making good including repointing, replastering and finishing inccording to existing finish where required.				0.00
	hrough11.43cm thickness of walls	Each	25	112.5	2812.50
	hrough 22.86cm thickness of walls	Each	25	160.5	4012.50
ai m co	Cutting holes upto 23cm square for pipes in flooring and roofs of bricks, tiles with lime concrete and making good including repointing, replastering and colour or white washing where required.				0.00
	hrough floor or roof 115mm thick.	Each	25	96	2400.00
S 6: G du if jo cc sa bo T th gu w pi m :1 a w w sa le a:	Providing, lowering, cutting & jointing salt Glazed Stone ware Pipes and Specials ISI marked as per IS 51-2007 class Sp-1 into Trenches for all depths and Laying out the same to correct alignment, Gradients, levels etc., In Trenches including all Iressing and trimming of bed and sides of trenches, Frequired trimming and cutting of concrete beds and bints holes, supporting the pipes and specials, in correct position in a suitable rigid manner while the mame are being jointed and until the surrounding benching, haunching and envelopes are completed. The sewer shall rest on the bed at every point hrough-out its length and to ensure this, it shall be prouted in without extra charge by the contractor with 1:3 cement sand mortar including jointing of bipes and specials in trenches, using cement sand nortar 1:1 and best white italian spun yarn, as per IS 1887, finishing and trowelling of each joint at an ingle of 45degree with the longitudinal axes of pipe, watering,keeping the joint covered and wetted till the mame are cured, testing the sewerage line for eakage and making all leakages and defects good as laid in the contract				0.00
to	o uniform finish to the entire satisfaction of engineer-incharge Including all cartage etc.				0.00
	00mm i/d pipe	mt.	50	185.9	9295.00
	50mm i/d pipe	mt.	100	400.3	40030.00

					Pela
	mortar 1:5 ( 1 cement : 5 coarse sand ) R.C.C. top				fshar
	slab with 1:2:4 mix (1 cement: 2 coarse sand : 4				
	graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse				
	sand : 8 graded stone aggregate 40mm nominal				
	size)inside plastering 12mm thick with cement				
	mortar 1:3 (1 cement: 3 coarse sand) finished with				
	floating coat of neat cement and making benching in				
	cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)				
	finished with a floating coat of neat cement, Orange				
	coloured PVC steps including FRCC cover with				
	frame (light duty) 455x610 mm internal				
i	dimensions.complete as per standard design. Inside size 90x150 cm and 120 cm deep between				
•	top of slab and invert ( With MH cover & frame extra				
	heavy duty)	each	2	15347.5	30695.00
14	Extra cost for every additional depth of 0.300 m.				
	upto 1.80 m depth for manholes.	Fach	2	1889.5	0.00 3779.00
15	Inside size 90x150 cm Construction of brick masonry inspection chambers	Each	2	1009.0	31/9.00
10	size as given below upto 0.60 m average depth in				
	1:5 cement sand mortar, lime concrete with 40 per				
	cent lime mortar 2:3 in foundation, cement concrete				
	1:2:4 benching 12.50mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement,				
	R.C.C.1:2:4 slabs 100mm thick cement concrete				
	topping50mm thick with 455mm x 455mm, 455mm x				
	610mm inside light duty C.I. inspection chamber				
	cover and frame (Weight as per I.S.I specifications)				
	painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design.				0.00
	600mm x 900mm inside with 455mm x 455mm cover				0.00
	and frame light duty double seal	Each	4	5525.8	22103.20
16	Extra for every 0.30 m depth of inspection	<b>E</b> I		1017.0	1000.00
17	chamber.600mm x 900mm Making connection of drain or sewer line with	Each	4	1247.3	4989.20
17	existing manhole including breaking into and making				
	good the walls, floors with cement concrete 1:2:4				
	mix (1cement: 2 coarse sand : 4 graded stone				
	aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3				
	coarse sand) finished with a floating coat of neat				
	cement and making necessary channels for the				
	drain etc. complete.				0.00
10	For pipes 100 to 200 mm Diametre	Each	2	144.9	289.80
18	Providing and fixing in position Chinaware European type water closet Suit syphonic type with P trap or S				
	trap (to the approval of the Engineer-in-charge)				
	suite-consisting of 10 ltr. low level with PVC flushing				
	cistern, PVC short bend, 32mm. dia. including cost				
	of seat cover complete in all respects to the entire satisfaction of engineer in charge.	Each	25	3995.5	99887.50
19	Extra for providing and fixing 10 litres capacity	Laci	20	0000.0	00001.00
-	Chinaware low level flushing cistern with PVC				
	internal fitting, instead of 10 litres capacity PVC	_ ·	~-	4000	10005.00
20	flushing cistern. Providing and fixing jet spray with 2'-6" long PVC	Each	25	1633	40825.00
20	pipe.With C.P. Brass nut	Each	RO	444	0.00
21	Providing and fixing PVC 32mm waste pipe	2001			0.00
	complete in all respects.	Each	32	121	3872.00
22	Providing & fixing partitions for different type of				
	urinals. Vitreous white Chinaware Partition Large	Each		2700 F	0.00
23	partitions size 835mm x355mm Providing and fixing in position best Indianmake	Each		3799.5	0.00
20	white ordinary lavatory suites of approved make ( to				

C.P. brass waste 32mm dia, with one CP brass pillar tap complete in all respects.EachSize 560mm x 410mm [above counter oval)Each24Providing and fixing in position best Indian make chromium plated brass, Bottle trap 32mm dia with 40 mm seal of approved make to the approval of Engineer in charge complete in all respects.Each25Providing and fixing in position best quality stainless steel sinks with complete fitting.EachSize 600 mm x 450 mm x 225 mm (Net size excluding flat edge)Each126Providing and fixing in position best Indian makeEach1	3601.5 1094	61225.50 18598.00
tap complete in all respects.Size 560mm x 410mm [above counter oval)Each24Providing and fixing in position best Indian make chromium plated brass, Bottle trap 32mm dia with 40 mm seal of approved make to the approval of Engineer in charge complete in all respects.Each25Providing and fixing in position best quality stainless steel sinks with complete fitting.EachSize 600 mm x 450 mm x 225 mm (Net size excluding flat edge)Each126Providing and fixing in position best Indian makeEach1		61225.50
Size 560mm x 410mm [above counter oval)Each1724Providing and fixing in position best Indian make chromium plated brass, Bottle trap 32mm dia with 40 mm seal of approved make to the approval of Engineer in charge complete in all respects.Each1725Providing and fixing in position best quality stainless steel sinks with complete fitting.Each1726Providing and fixing in position best Indian make excluding flat edge)Each1		
24       Providing and fixing in position best Indian make chromium plated brass, Bottle trap 32mm dia with 40 mm seal of approved make to the approval of Engineer in charge complete in all respects.       Each       17         25       Providing and fixing in position best quality stainless steel sinks with complete fitting.       Size 600 mm x 450 mm x 225 mm (Net size excluding flat edge)       Each       1         26       Providing and fixing in position best Indian make       Each       1		
mm seal of approved make to the approval of Engineer in charge complete in all respects.Each1725Providing and fixing in position best quality stainless steel sinks with complete fitting.Image: Complete in all respects.Image: Complete in all respects.Size 600 mm x 450 mm x 225 mm (Net size excluding flat edge)Image: Complete in all respects.Image: Complete in all respects.26Providing and fixing in position best Indian makeImage: Complete in all respects.Image: Complete in all respects.	1094	18598.00
Engineer in charge complete in all respects.Each1725Providing and fixing in position best quality stainless steel sinks with complete fitting	1094	18598.00
25       Providing and fixing in position best quality stainless steel sinks with complete fitting.       Image: Complete fitting fittig fittig fitting fitting fittig fitting fitting fittin	1094	18598.00
steel sinks with complete fitting.       Size 600 mm x 450 mm x 225 mm (Net size excluding flat edge)         Each       1         26       Providing and fixing in position best Indian make		
Size 600 mm x 450 mm x 225 mm (Net size excluding flat edge)Each126Providing and fixing in position best Indian make1	· I	
excluding flat edge)Each126Providing and fixing in position best Indian make		0.00
26 Providing and fixing in position best Indian make	0400 5	0400 50
	8409.5	8409.50
towel rails/ rings to the approval of Enginner in		
charge fixed in with rewal plugs embedded in walls		
with c.p brass screws, complete in all respects		
including cutting and making good the walls etc.		0.00
C.P. brass towel Rails size 20mm dia 600 mm long Each 14	1363.5	19089.00
27 Providing and fixing in position Acrylic shelf with		
Acrylic guard rails fixed in with rawl plugs with C.P		
brass screws complete including cutting and making		
good the walls etc.		0.00
CP Acrylic Corner size 300mmx300mm Each 24	1782	42768.00
28 Providing & Fixing in position best indian make		
bevelled edge 5mm thick mirror mounted on		
asbestos sheet ground fixed in position by means of 4 nos. chromium plated brass screws and washers		
over rubber washers and rawl plugs embedded in		
the walls or chromium plated brass clamps with C.P.		
brass screws (as required by the Engineer-in-		
Charge) complete including cutting and making good		
the walls etc.		0.00
Size 1500 mm x 600 mm or any other size Sqm 17	2148	36516.00
29 Providing & Fixing in position C.P. Brass flange		
under various fixtures complete in all respects (as		
required by the Engineer-in-Charge) Each 100	52	5200.00
30 Providing & Fixing in position C.P. Brass extension		
piece 15mm dia, 15mm long or 25mm long or 40mm		
long with various fixtures complete in all respects (as required by the Engineer-in- Charge) Each 80	89.5	7160.00
required by the Engineer-in- Charge)Each8031Providing & fixing C.P. brass hexa nipple 15mm. of6	09.0	7100.00
approved make to the approval of Engineer in		
charge complete in all respects. Each 20	74.5	1490.00
32 Providing & Fixing in position 15 mm i/d C.P. brass		
bib cock of best quality (as approved by the		
Engineer-in-charge).		0.00
i C.P. brass Bib cock long nose / long body without		
flange. Each 75	1043	78225.00
ii C.P. brass Bib cock without flange. Each 25	819	20475.00
33 Providing & Fixing in position stop cock /Angle valve		
(as approved by the Engineer-incharge).	4405 -	0.00
i C.P.brass 15mm Concealed stop cock with flange. Each 25	1185.5	29637.50
ii C.P.brass 15mm Concealed Angle valve Each 50	796	39800.00
34 Providing & Fixing in position C.P.brass liquid soap		
container of best quality (as required by the Engineer-in-charge) complete in all respects. Each 8	460.5	3684.00
35 Providing & fixing in position best Indian make	+00.0	0007.00
flexible tube connection of approved make to the		
		0.00
approval of engineer in charge complete in all respects.	•	
approval of engineer in charge complete in all	<u> </u>	
approval of engineer in charge complete in all respects.       Image: complete in all respects.         i       PVC tube connection of size 15 mm x450 mm with C.P. Brass nut         Each'       50	160	8000.00
approval of engineer in charge complete in all respects.       Image: complete in all respects.         i       PVC tube connection of size 15 mm x450 mm with C.P. Brass nut       Each'         36       Providing & fixing in position best Indian make C.P.	160	8000.00
approval of engineer in charge complete in all respects.       Image: complete in all respects.         i       PVC tube connection of size 15 mm x450 mm with C.P. Brass nut         36       Providing & fixing in position best Indian make C.P. Copper tube connection of approved make to the	160	8000.00
approval of engineer in charge complete in all respects.       Image: Complete in all respects.         i       PVC tube connection of size 15 mm x450 mm with C.P. Brass nut       Each'         36       Providing & fixing in position best Indian make C.P. Copper tube connection of approved make to the approval of engineer in charge complete in all       Image: Complete in all in all in the second	160	
approval of engineer in charge complete in all respects.       Image: complete in all respects.         i       PVC tube connection of size 15 mm x450 mm with C.P. Brass nut       Each'         36       Providing & fixing in position best Indian make C.P. Copper tube connection of approved make to the approval of engineer in charge complete in all respects.       Image: complete in all respects.	160	8000.00 0.00
approval of engineer in charge complete in all respects.       Image: Complete in all respects.         i       PVC tube connection of size 15 mm x450 mm with C.P. Brass nut       Each'         36       Providing & fixing in position best Indian make C.P. Copper tube connection of approved make to the approval of engineer in charge complete in all       Image: Complete in all in all in the second	295	

37	Providing and fixing in position centrifugal cast iron				fshar
07	r roviaing and nxing in position bentinggir east non				13/
	soil waste vent or antisyphonage pipes to				967 - 565 <b>- 6</b> 76 - 576 26 667
	I.S.I.specification IS 3989 of approved make to the				
	approval of Engineer in charge including cutting,				
	jointing, wastage, but excluding cost of lead jointing.				0.00
i	100mm i/d centrifugal cast iron pipe lines laid	inst.	200	1101	220200.00
38	complete Providing & fixing in position C.I. gully trap cover	mt.	300	1101	330300.00
30	weighing approximately 7.26 kg & frame for gully				
	trap chamber clear opening size 300mm x 300mm				
	&out side size 330mmx330mm including painting the				
	exposed surface with 3 coats of black bitumastic				
	superior paint of approved manufacture etc.	Each	5	677.5	3387.50
39	Providing and fixing in position gratings 150mm x				
	150mm for gully trap.				0.00
i	H.C.I. grating including painting with black bitumastic		_		105.00
40	superior paint of approved manufacture three coats.	Each	5	93	465.00
40	Providing lead caulked joints to H.C.I. pipes and				
	specials conforming to I.S.I. Specification of E.L.C. manufacture or any other reputed firm including cost				
	of lead yarn, fuel and tools etc.				0.00
i	100mm internal diameter (1.36 kg)	Each	350	385.5	134925.00
41	Providing & Fixing in position M.S or heavy flat iron				
	clamps made out of M.S flat iron not less than 5 mm				
	of the approved design for fixing C.I. soil waste, vent				
	or antisyhonage pipes to walls complete in all				
	respects including cutting and making good the walls				
	and floors etc. and painting.				0.00
i	M.S. Holder bats clamps for 100mm i/d H.C.I. pipes	Each	80	164.5	13160.00
42	Providing & fixing H.C.I. Floor traps conforming to				
	I.S.I. Specification(IS 1729) of reputed firm of the				
	self cleaning design with C.P.brass hinged grating with frame with or without vent arm and including				
	cement concrete 1:2:4 under & around the floor trap				
	where required upto floor level complete in all				
	respects including cutting & making good the walls &				
	floors, etc. minimum depth of water should be 150				
	mm with minimum seal 50 mm.				0.00
i	With 100mm i/d outlet shallow seal	each	56	850.5	47628.00
43	Providing and fixing in position Centrifugally cast iron				
	special for soil waste vent or anti syphonage pipes to				
	I.S.I specifications of E.L.C manufacture or any other				
	reputed firm including cutting and wastage etc.				
	cutting <i>holes</i> in walls roofs or floors etc. and making good to its original condition but excluding cost of				
	lead joining.				0.00
а	For 100mm i/d pipes				0.00
 i	100mm i/d H.C.I. Heal Rest Bend	Each	12	566.5	6798.00
ii	100mm i/d Single junction with door.	Each	36	723	26028.00
iii	Single junction plain.	Each	36	632.5	22770.00
iv	Bend with plug	Each	13	535.5	6961.50
V	Bend plain	Each	13	483	6279.00
vi	Cowls	Each	13	382.5	4972.50
vii	Collars	Each	70	394.5	27615.00
viii	P-Trap	Each	28	785.5	21994.00
44	Cutting chase in brick walls in cement or in floor for				
	embedding G.I. or C.I pipes lines and making good				0.00
	the same to its original condition.	r-1	450	00.5	0.00
1	Size 150 mm x 150 mm	mt.	150	92.5	13875.00
45	Painting H.C.I soil waste and vent pipes and fitting				
	with black bitumastic ISI marked paint of approved				0.00
	manufacture two coats on new work. 100mm i/d H.C.I. Pipe	mt	300	20	0.00 6000.00
<u> </u>	Providing and fixing in position automatic brass ball	mt.	300	20	0000.00
46	The remaining and inving in position automatic plass ball				
46	valves in tanks.				0.00
46 i	valves in tanks. 50mm i/d Brass ball valve with plastic ball with G.I.				0.00

					fskar
47	Providing & fixing in position on terrace(at all levels) HDPE tank cover for water storage tanks of approved makes to the approval of Engineer-in- Charge with cover with suitable locking arrangement & making necessary holes for inlet, outlet and over flow pipes but iwthout fittings and base support for tank. complete.				0.00
i	Triple layer tanks.	ltr.	24000	11	264000.00
48	Providing & fixing in position G.I.tank nipple of approved make to the approval of engineer in charge in PVC water storage tanks complete in all respects.				0.00
i	G.I. tank nipple 40mm. i/d.	Each	4	321	1284.00
ii 49	G.I. tank nipple 50mm. i/d. Providing & fixing in position gully traps fixed in cement concrete 1:4:8 complete with H.C.I. Grating 150 mm x 150mm cast iron cover weighing approximately 7.26 kg. & frame clear opening 300mm x 300mm & out of side size 330 mm x 330 mm & chamber including cost of all bricks work in cement morter 1:5 cement concrete 1:2:4 in coping around C.I. cover and frame etc. with three coats of black bitumastic superior paint of approved manufacture on all C.I. work as per standard design minimum depth of water should be 150 mm with a	Each	4	496	1984.00
	minimum seal 50mm.				0.00
i	100mm internal Diametre H.C.I. gully trap with H.C.I. grating and cast iron cover weighing approximately 7.26 kg. and frame clear opening 300mm x300mm and out of side size 330mm x 330mm	Each	5	2413.5	12067.50
50	Providing and fixing in position best Indian make vitreous Chinaware white channel of size 600 mmx100mm including laying and fixing in cement concrete 1:2:4 complete as per required by the	aaab	24	538.5	12924.00
51	Engineer-in-charge. Providing and fixing in postion best Indian make (To the approval of Engineer-in- Charge) storage type automatic electric water heater pressure / non pressure type thermostatically controlled, suitable for phase, vertical wall mounting fitted with drawable and adjustable type A.C the with emostat thermostats knob to be readily accessable through the opening of suitable cover for adjustment of temperature in the installed position of heater and the thermostat should be with drawn without having to drain the water electric heating element made out of copper tube(heating element should be easily removed and replaced in the installed position of heater) a neon indicator I Amp. inner container made out of copper tinned both from inside and outside outer container made out of mild steel sheet finished in gleaming white stove enamel paint insulated between the inner and outer with fibre glass wool with 1 meter length of suitable capacity 3 core flexible cord with plug and non-return valve plastic/lead connections or pressure release valve (Where required) complete including fixing and testing for a week (as required by the Engineer-in- Charge).	each	27		0.00
	thermostat should be with drawn without having to drain the water electric heating element made out of copper tube(heating element should be easily removed and replaced in the installed position of heater) a neon indicator I Amp. inner container made out of copper tinned both from inside and outside outer container made out of mild steel sheet finished in gleaming white stove enamel paint insulated between the inner and outer with fibre glass wool				0.00

					0
	with 1 motor longth of antichla arrests 0	I		<u>т</u>	f
	with 1 meter length of suitable capacity 3 core flexible cord with plug and non-return valve				10.107
	plastic/lead connections or pressure release valve				
	(Where required) complete including fixing and				
	testing for a week (as required by the Engineer-in-				
	Charge).				
50	25 litre capacity water heater	Each	16	8551	136816.00
52	Providing, Stringing out, cutting, Jointing and testing of ISI Marked C.I. Pipes Class-LA per IS:1536 and				
	laying the same in trenches to correct alignment and				
	gradients, jointed with rubber tyton joints fitted				
	complete including all cartage.				0.00
i	100mm i/d pipe line laid complete.	mt.	100	1342	134200.00
ii	Extra 10% for ISI pipes as per CSR note.	mt.	100	146.28	14628.00
53	Supplying and laying C.I. specials complete as				
	desired by Engineer-in-Charge conforming to ISI				0.00
	specifications C.I. specials upto 300mm i/d			+	0.00
i	Bend				0.00
ii	T- junction			1 1	0.00
iii	Sluice valve			1 1	0.00
	Total wt of fittings	Kg.	422	65.5	27641.00
54	Construction of masonary Sluice Valve Chamber	-			
	excluding				0.00
	Sluice valve cover as per standard design &				
	drawings of public health department.	Fash		4040	0.00
i	Size 0.6 m. x0.6 m. Fire Fighting Equipments	Each	2	4818	9636.00 0.00
55	Providing, laying, fixing, testing and				0.00
55	commissioning of 'C' Class heavy duty MS Pipe				
	conforming to Indian Standard IS 1239/3589				
	including fittings like tees, bends, sockets, elbows,				
	flanges, tapers, nuts bolts, gaskets etc. in ground				
	with anti corrosive treatment with wrapping				
	coating tape (4mm pypkote tape) as per IS :				
	10221 including cost of primer etc. excluding cost of excavation and refilling complete in all				
	resepcts.				0.00
	100mm internal diameter	mt.	40	1504	60160.00
56	Providing, laying, fixing, testing and	-			
	commissioning of 'C' Class heavy duty MS Pipe				
	conforming to Indian Standard IS 1239/3589				
	including fittings like tees, bends, sockets, elbows,				
	flanges, tapers, nuts bolts, gaskets etc. on surface and providing angle iron support or cement				
	concrete block as support including painting with				
	two or more coats of synthetic enamel paint of				
	required shade complete in all respects.				0.00
	100mm internal diameter	mt.	30	1325.5	39765.00
57	Providing, laying, fixing, testing and			Τ	
	commissioning of 'C' Class heavy duty MS Pipe				
	conforming to Indian Standard IS 1239/3589				
	including fittings like tees, bends, sockets, elbows, flanges, tapers, nuts bolts, gaskets etc.				
	fixing the pipe on the wall I ceiling with suitable				
	clamps and painting with two or more coats of				
	synthetic enamel paint of required shade complete				
	in all respects.				0.00
i	25mm internal diameter	mt.	4	272.5	1090.00
<u>ii</u>	32mm internal diameter	mt.	4	344	1376.00
iii	40mm internal diameter	mt.	4	407.5	1630.00
iv	50mm internal diameter 65mm internal diameter	mt.	4	601	2404.00 2996.00
V	80mm internal diameter	mt. mt.	4 4	749 909.5	3638.00
		1116.	-	303.0	3030.00
<u>vi</u> 58		1			
58	Supplying, Installation, Testing and Commissioning of G.M Single headed hydrant valve with				

					fsk
	diawith cast iron wheel ISI marked conforming to IS	[[		<u> </u>	181
	5290 (TypeA) with blank Gunmetal Cap and chain				563 1 - 564 <b>2</b> - 574
	including orifice plate made of 6mm th Stainless				
	steel to keep the pressure not more than 3.5 per				
	sqcm at any point complete in all respects.				
59	Supplying, Installation, Testing and Commissioning				
	63 mm dia gun-metal Branch Pipe (ISI marked)				
	with 20mm (nominal internal dia) size Gun metal				
	nozzle confirming to IS 903, suitable for				
	instantaneous connection to interconnect hose pipe		_		
	coupling as required.	Each	7	1929.5	13506.50
60	Providing and fixing fire brigade inlet connection				
	of cast iron body with Gun metal 63mm dia				
	instantaneous type male coupling with built in check valves and 150mm dia flanged outlet				
	complete with bolts, nuts and rubber insertions				
	as per IS:904. (to be connected to static tank}.	Each	2	6157	12314.00
	Two Way inlet connection	Lucii	2	0107	0.00
61	Supplying, Installation, Testing & Commissioning of			1	0.00
01	RRL FIRE hose Type A, IS:636, 63 mm dia x 15m				
	long with gunmetal male & female couplings (ISI				
	marked) bound & riveted to hose pipes with copper				
	rivets and copper wire as required.	Each	8	4453.5	35628.00
62	Supplying, Installation, Testing and Commissioning				
	of First Aid-fire Hose reel with MS construction				
	spray painted in post office red, confirming to IS 884				
	with upto date amendments, complete with rubber				
	hose pipe (IS:444 /1987) 20mm dia 30 meter long				
	type-2, hose reel Drum with bracket as per IS:884,				
	20mm dia GM nozzle and 20mm dia GM gate valve			0010	
	as required complete with G.I pipe	Each	8	8846	70768.00
63	Supplying, Installation, Testing and				
	Commissioning standard Fire Man's axe with heavy				
	insulated rubber conforming to IS 936 complete in all	Each	8	706	5648.00
64	respect Supplying & fixing air vessel made out of450mm.	Each	0	700	3040.00
04	Dia, 8 mm thick MS sheet, 2000mm height with air				
	release valves on top and flanged connection to				
	risers, drain arrangements with 50 mm dia				
	gunmetal wheel valves, with required accessories,				
	pressure gauge and painting with synthetic enamel				
	paint of approved shade as required	Each	2	21402	42804.00
65	Providing and fixing of Pressure switch of approved				
	make in MS pipe line suitable for line presure up				
	15kg/cm2 & including connection with main panel				
	etc. as required complete in all restect	Each	2	3376	6752.00
66	Providing and fixing S.S Pressure Gauge				
	complete as required complete in all respect.	Each	2	650	1300.00
67	Providing and fixing of FIRE EXTINGUISHER, ABC				
	Powder type (stored pressure) as per IS: 15683				
	complete with all accessories as per Manufactures				0.00
	Specification. ISI Mark complete in all respect.	<b>F</b> 1	40	0740	0.00
<u></u>	6 Kg. Capacity	Each	12	2742	32904.00
68	Providing & fixing of FIRE EXTINGUISHER, C02				
	type as per IS: 15683 complete with all accessories as per Manufactures Specification. ISI Mark				
					0.00
	complete in all respect. 4.5 Kg. Capacity	Each	12	6735	80820.00
69	Supplying and Installation control valve CIW water	⊏dun	12	0/00	00020.00
09	motor gong complete with alarm Valve, constant				
	trim, water motor bell, 2No. Pressure Gauge. All				
	parts UL listed. Make				0.00
	100 mm control valve	Each	2	27700.5	55401.00
=0	Supplying, Laying, Testing and Commissioning		-	2.700.0	00101.00
70				1	
70					
70					

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flanges of required thickness, etc. 100 mm i/d				
100 mm i/d	Each	2	6585	13170.00
 Providing, fixing, installation, testing &	Laon	<u> </u>	0000	13170.00
commissioning of electrical motor with Pump fixed				
on common plateform for lifting & supplying water in				
pipe lines complete in all respects.	Each	2	70000	140000.00
Providing, installation, testing & commissioning of				
electrical Panel for motor & pump.	Each	2	9000	18000.00
TOTAL PUBLIC HEALTH SERVICES				2843645.20
Electrical Installation Work				
RECESSED CONDUIT PIPE WIRING SYSTEM				
WITH MODULAR SWITCHES:				
Wiring in P.V.C. insulated Fire Retardant copper				
conductor ISI marked (Unsheathed) flexible				
multistrand cable to be laid in heavy gauge welded				
conduit pipe 20 mm / 25mm dia (1.6mm thick) ISI				
marked, recessed in wall etc., complete with powder				
coated/anodized concealed metal boxes required for				
suitable number of modules, for having electronic				
fan regulators, bell push, electronic buzzer, 5pin				
6Amp., 6pin 16/20Amp. Sockets and 6/16/20Amp.				
Swithces (Screw Type Modular Accessories) etc.,				
and covered with Frame Plate etc., & including the				
cost of required number of modular switches/				
sockets, step type electronic fan regulator 100watts,				
PVC connector (For Fan Box and Electronic				
Buzzer), PVC Bush, Steel Hooks, Circular Inspection				
Box (Recessed Type and Deep Type) conduit pipe &				
copper wire and other Petty material etc. including				
the cost of cutting and filling up of chases:-				
Wiring Fan point with Sheet Metal fan box (Shape				
Hexagonal & Sheet Thickness not less than 1.6mm)				
in 1.5mm <sup>2</sup> Copper conductor cable with step type				
electronic fan regulator 100watts.	Each	150	1246.22	186933.00
Wiring light point in PVC insulated copper conductor				
single core FRLS cable (ISI marked) overall 1.5 sq.				
mm,1100volts grade.	Each	425	759.29	322698.25
Wiring call-bell point in 1.5mm <sup>2</sup> Copper conductor				
cable with bell push and electronic buzzer 230 Volts				
AC (including the cost of bell push, electronic buzzer				
& powder coated concealed metal box for electronic				
 buzzer).	Each	2	847.26	1694.52
Wiring 3 pin 6 Amp. wall socket (Shuttered) point in				
PVC insulated copper conductor single core FR				
cable (ISImarked) overall 1.5 sq. mm, 1100volts				
grade complete with bonding to existing earth with				
PVC insulated copper conductor single core FR				
cable (ISI marked) overall 1sq. mm, 1100volts				
 grade.	Each	160	646.63	103460.80
 Wiring 3 Pin 6 Amp. Plug control comprising wall				
socket (shuttered) and switch including bonding to				
existing earth with PVC insulated copper conductor				
single core FR cable (ISI marked) overall 1 sq. mm,				
1100volts grade complete.	Each	250	393.8	98450.00
Wiring 3 pin 16/20 amp. power plug control			1	
(shuttered) and switch.	Each	100	425.31	42531.00
Wiring light point in PVC insulated copper conductor				
single core FR cable (ISI marked) overall 1.5 sq.				
mm,1100volts grade complete without control				
switch.	Each	50	327.26	16363.00
Wiring light point in PVC insulated copper conductor				
			1	
single core FR cable (ISI marked) overall 1.5 sq.				

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				· · ·	8ha
i '	switches. Wiring TV sockets and Telephone socket points in powder coated/anodized concealed metal boxes recessed in wall required for suitable number of modules, for having TV sockets, Telephone sockets RJ11 & RJ45 (one module) etc., and covered with Frame Plate etc., & including the cost of required number of modular TV sockets, Telephone sockets RJ11 & RJ45 (one module) and other petty material etc. including the cost of cutting and filling up of				
	chases:- Wiring TV socket point (one module)	Each	2	217.74	435.48
,	Wiring Telephone socket point RJ11 (one module)	Each	2	231.75	463.50
	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Mtr	35	28	980.00
	PVC INSULATED SINGLE CORE FR COPPER CONDUCTOR CABLE:				0.00
a	Supply and erection of PVC insulated single core FR copper conductor cable ISI marked left bare in pipe or casing of suitable size excluding the cost of supply and erection of pipe or casing.				
	PVC insulated copper conductor single core FR cable (ISI marked) overall 1 sq.mm, 1100volts grade	mt.	100	11.41	1141.00
(	PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq.mm, 1100volts grade	mt.	1000	15.11	15110.00
d i	PVC insulated copper conductor single core FR cable (ISI marked) overall 2.5 sq.mm, 1100volts grade	mt.	8500	21.61	183685.00
	PVC insulated copper conductor single core FR cable (ISI marked) overall 4 sq.mm, 1100volts grade	mt.	9500	29.97	284715.00
	PVC insulated copper conductor single core FR cable (ISI marked) overall 6 sq.mm, 1100volts grade	mt.	300	45.01	13503.00
g l	PVC insulated copper conductor single core FR cable (ISI marked) overall 10 sq.mm, 1100volts grade	mt.	450	73.27	32971.50
(	PVC insulated copper conductor single core FR cable (ISI marked) overall 16 sq.mm, 1100volts grade	mt.	20	112.83	2256.60
	XLPE/ PVC INSULATED ARMOURED CABLES				0.00
	Supply & laying of XLPE/ P.V.C.insulated PVC sheathed armoured and served cable to be laid 1 m below ground level including excavation, sand cushioning,covering with sand & bricks and back filling the trench etc.,ofthe required size as per PWD				
b /	GeneralSpecifications 2010:- Aluminium conductor XLPE/ PVC insulated PVC sheathed armoured and served cable working				0.00
	voltage 1100volts grade 95sq.mm (3 ½ Core) Aluminium conductor XLPE/ PVC insulated PVC	mt.	350	560.57	196199.50
\$	sheathed armoured and served cable working voltage 1100volts grade 50sq.mm (3 ½ Core)	mt.	175	384.79	67338.25
	XLPE/ PVC INSULATED ARMOURED CABLES (LOOSE):				0.00
	Supply & laying of aluminium conductor XLPE/ P.V.C.insulated armoured and served cable to be laid loose in the existing trench or pipe as per PWD				
	General Specifications 2010:- Aluminium conductor XLPE/ PVC insulated PVC				0.00
5	sheathed armoured and served cable working voltage 1100volts grade 95sq.mm (3 ½ Core)	mt.	100	460.62	46062.00
	Aluminium conductor XLPE/ PVC insulated PVC sheathed armoured and served cable working	mt.	50	287.5	14375.00

					2
	voltage 1100volte grade 50eg mm (2.1/ Care)			1	k
5	voltage 1100volts grade 50sq.mm (3 ½ Core) HEAVY GUAGE WELDED CONDUIT PIPES:				
-					0.00
а	Supply & erection of pipe for wiring purposes including bends, inspection boxes etc., where necessary including painting as per PWD General				0.00
b	Specifications 2010:- Heavy gauge welded conduit pipe 20mm dia. (ISI				0.00
C C	marked 1.60mm thick) Flushed Heavy gauge welded conduit pipe 25mm dia. (ISI	mt.	1000	84.75	84750.00
d	marked 1.60mm thick) Flushed Heavy gauge welded conduit pipe 32mm dia. (ISI	mt.	2000	100.23	200460.00
e	marked 1.60mm thick) Flushed Heavy gauge welded conduit pipe 40mm dia. (ISI	mt.	150	139.65	20947.50
f	marked 1.60mm thick) Flushed Heavy gauge welded conduit pipe 50mm dia. (ISI	mt.	10	219.91	2199.10
6	marked 1.60mm thick) Flushed Supply and erection of PVC flexible pipe	mt.	10	364.17	3641.70
0	complete with compression glands, having locking arrangement,check-nuts as required :-				0.00
а	PVC flexible pipe 20mm dia.	mt.	10	32.87	328.70
b	PVC flexible pipe 25mm dia.	mt.	10	39.08	390.80
С	PVC conduit pipe 25mm dia.ISI marked 2mm thick	mt.	150	40.89	6133.50
7	Galvanised iron flexible pipe complete as additional length				0.00
а	Size 20mm dia.	mt.	20	31.92	638.40
b	Size 32mm dia.	mt.	20	39.9	798.00
с	Size 40mm dia.	mt.	20	58.8	1176.00
8	End termination of cables with brass glands &	111(.	20	50.0	1170.00
•	lugs including cutting of mssheet(hole) for cable				
	entry,connections etc. complete in all respect.				0.00
а	Aluminium conductor XLPE/ PVC insulated PVC				
	sheathed armoured and served cable working voltage 1100volts grade 95sq.mm (3 ½ Core)	Each	4	675	2700.00
b	Aluminium conductor XLPE/ PVC insulated PVC	Laon		010	2100.00
	sheathed armoured and served cable working	_	2		
	voltage 1100volts grade 50sq.mm (3 ½ Core)	Each	2	405	810.00
С	Copper conductor 6sq.mm 6 core.	Each	4	155	620.00
d	Copper conductor 10sq.mm 6 core.	Each	8	155	1240.00
9	MINIATURE CIRCUIT BREAKERS/ RCBO's/ RCCB's:				0.00
a	Supply and erection of Miniature Circuit Breakers/ RCBO's/RCCB's in the existing MCB distribution board as per PWD General Specifications 2010 including connections with suitable size of thimbles/lugs.				0.00
b	GROUP-A: (Siemens (Beta Guard), Legrand (Lexic) & Schneider (Neo Break).				0.00
С	Miniature circuit breaker single pole 6 to 32amp.				
	(Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	Each	264	173.26	45740.64
d	Miniature circuit breaker double pole 6 to 32amp.	Laun	207	175.20	40.04
-	(Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	Each	180	514.64	92635.20
е	Miniature circuit breaker four pole 40amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts		_		
	50 cycles AC supply	Each	4	1468.56	5874.24
f	Miniature circuit breaker four pole 50, 63amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	Each	8	1624.33	12994.64
10	RCCB's:	Each	0	1024.33	
a	Residual Current Circuit Breaker (RCCB for earth leakage protection) double pole 32/40amp.,				0.00
	sensitivity 100mA (as per standard IEC 61008)				

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b	Residual Current Circuit Breaker (RCCB for earth leakage protection) double pole 63amp., sensitivity 100mA (as per standard IEC 61008) suitable for 240/415 volts 50 cycles AC supply	Each	24	2406.02	57744.48
11	SHEET METAL DOUBLE DOOR DISTRIBUTION BOARD FOR MCB/ RCBO/ RCCB's:	Lach	21	2400.02	0.00
	Supply and erection of sheet metal double door distribution boards of suitable size and of required no. of ways for mounting miniature circuit breakers/ RCBO's/ RCCB's in the existing MCB distribution board as per PWD General Specifications 2010 including connections with suitable size of thimbles and bonding to existing earth etc.				0.00
	GROUP-A: (Siemens (Beta Guard), Legrand (Lexic) & Schneider (Neo Break).				0.00
а	Sheet metal double door S.P. & N. distribution board (dust protected) provided with bus bar, neutral link and din bar, suitable for incorporating MCB's/ RCBO/ RCCB's, 4 way each	Each	55	935.54	51454.70
b	Sheet metal double door S.P. & N. distribution board (dust protected) provided with bus bar, neutral link and din bar, suitable for incorporating MCB's/ RCBO/ RCCB's, 8 way each	Each	23	1277.55	29383.65
С	Sheet metal double door T.P. & N. distribution board (dust protected) provided with bus bar, neutral link and din bar, suitable for incorporating FP/ TPN MCB's/ isolators for incoming and DP/ SP & N/ Single Pole MCB's/ RCBO/ RCCB's for outgoing 8				
d	way each Sheet metal double door T.P. & N. distribution board (dust protected) provided with bus bar, neutral link and din bar, suitable for incorporating FP/ TPN MCB's/ isolators for incoming and DP/ SP & N/ Single Pole MCB's/ RCBO/ RCCB's for outgoing 12	Each	8	3667.9	29343.20
12	way each Fixtures	Each	4	5276.18	21104.72 <b>0.00</b>
	Supply and erection of switches, sockets, power switch and sockets and other accessories (flush piano type/ modular accessories) in the existing bakelite/ modular cover frame including connections and petty material etc.				0.00
a	Ceiling rose (flush piano type)	Each	200	27.87	5574.00
b 13	Bakelite batten holder large size Erection of wall bracket /ceiling fittings of all sizes per fitting, complete with all accessories including connection etc. as required. of Surface tube light	Each	200	27.86	5572.00
14	1x36 watt with tube rodErection of wall bracket /ceiling fittings of all sizesper fitting, complete with all accessories includingconnection etc. Recess/surface Ceiling LED lights 6	Each	80	52	4160.00
15	watt Erection of ceiling fan having connection with PVC insulated PVC sheathed two single core copper conductor (FRLS) cable 0.75mm sq. complete.	Each Each	114 200	52 61.46	5928.00 12292.00
16	Erection of exhaust fan on the wall/ window grill having connection with PVC insulated PVC sheathed two single core copper conductor (FRLS) cable 0.75mm sq. complete.	Each	16	105.24	1683.84
17	Erection of wall bracket /ceiling fittings of all sizes per fitting, complete with all accessories including				
18	connection etc. Recessed Led Light 18 watt Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 20 mm x 3 mm thick electrolytic copper tape rivetted (with 10 nos. copper	Each	16	52	832.00
	rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) burried 10 metre below	Each	3	14481.34	43444.02

					fsharm
	ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 13 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.				
i	Supply and Erection of 20mm x 3mm thick copper tape (As additional length).	mt.	50	343.539	17176.95
19	Providing, cutting to required size, making holes, fixing handles for lifting &laying in position of mild steel cheqyered plates of desired thickness.				0.00
	Total weight	qtl.	1.75	7605.82	13310.19
	TOTAL ELECTRICAL WORKS	·			2555509.85
	G.TOTAL			Total	43830609
				Say	Rs. 438.31 Lakh

# NOTE:-All the nomenclature, unit & rates as depicted in bill of quantities are subject tocorrections as per CSR 2010 & DSR 2014 corrected up to date.

fsharms





### **FORM OFBID**

### **Description of the Work**

Construction of 01 no Hostel block for Girls including internal & external Public Health & Electrical Services(under BabuJagjivan Ram ChhatrawasYojna) in RGNUL campus, Sidhuwal, Patiala

То

### Registrar, RGNUL Patiala.

I/we have gone through the terms and conditions of thisbidding doCument diligently.

My/ourbidisasunder:-

- 1. My/Ourbid
   thetotaltenderedamountcalculated

   abovei.eRs
   (Fillinbelow/atparwith/above
- 2. My/Our bid is below/ at par with/above by \_\_\_\_\_% (In words\_\_\_\_\_\_percent).

Forpayment purposes, theabovepercentage shallbeapplicable uniformly to the rates of items described in the above Technical Schedule.

- 3. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonablypossibleafterthereceiptoftheEngineer'snoticetocommenceandto completethewholeoftheWorkscomprised,theContractwithinthefirmstatedin thedocument.
- WeagreetoabidebythisBidfortheperiodof120daysfromthedatefixedfor receivingthesameanditshallremainbindinguponusandmaybeacceptedatany timebeforetheexpirationofthatperiod.
- 5. Unless and until a formal Agreement is prepared and executed, this Bidtogether with your written acceptance there of shall constitute a binding contract between us.



6. Weunderstandthatyouarenotboundtoacceptthelowestoranytender, youmay receive.

Datedthis		_dayof		2012.	
Signature of behalfof (InBlockcapi	talsortyped)	NONAL U	dulyauthor	izedtosignbid	inthecapacity sforandon
Address	<b>D</b> IE	2			
Witness	RAUN GAN	E C			
Address		RGI PAT			
Occupation	ARION	VLEDGE		THERE	

### UnconditionalRebateifany:-

Registrar,RGNUL