



**INDIAN BANK SALEM CLOCK TOWER BRANCH**

**TENDER SCHEDULE**

Estimate amount: Rs.

**NAME OF WORK:- PROPOSED CONSTRUCTION OF STILT + 3 FLOORS COMMERCIAL BUILDING AT SALEM CLOCK TOWER BRANCH, BAZZAR STREET, SALEM CITY MUNICIPAL CORPORATION, SALEM**

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
1			3	4	5	6	7
1.00			<b>Clearing :</b>				
	556.00	Sqm	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	1 M <sup>2</sup> (One Square Metre)			
2.00			<b>Carriage of material</b> by mechanical transport including loading, unloading and stacking				
			Earth				
2.a.i	9.00	Cum	Up to 1 km.	1 M <sup>3</sup> (One Cubic Metre)			
2.a.ii	9.00	Cum	1 to 2 km.	1 M <sup>3</sup> (One Cubic Metre)			
2.a.iii	9.00	Cum	2 to 3 km.	1 M <sup>3</sup> (One Cubic Metre)			
2.a.iv	9.00	Cum	3 to 4 km.	1 M <sup>3</sup> (One Cubic Metre)			
2.a.v	9.00	Cum	4 to 5 km.	1 M <sup>3</sup> (One Cubic Metre)			



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
2.b			Excavated <b>rock</b>				
2.b.i	10.00	Cum	Up to 1 km.	1 M <sup>3</sup> (One Cubic Metre)			
2.b.ii	10.00	Cum	1 to 2 km.	1 M <sup>3</sup> (One Cubic Metre)			
2.b.iii	10.00	Cum	2 to 3 km.	1 M <sup>3</sup> (One Cubic Metre)			
2.b.iv	10.00	Cum	3 to 4 km.	1 M <sup>3</sup> (One Cubic Metre)			
2.b.v	10.00	Cum	4 to 5 km.	1 M <sup>3</sup> (One Cubic Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
3.00			<b>Earth work :</b>				
			Earth work excavation by mechanical means(Hydraulic excavator)/Manual for Column footings/ Foundation Trenches, UG sump, compound wall foundation in all type of soils and subsoil including breaking & removing old concrete foundations/Hard rock (controlled blasting if required with due statutory approvals, without disturbing to the neighbours properties) as per Architecture/structural drawing depth including dressing of sides ramming of bottom, shoring, leading form work, Dewatering and disposal of surplus excavated soil as directed for disposal beyond site limits in municipal stipulated area. All complete as per drawing, approval and instruction of the Architect. all measurements of the width of the excavation pit shall be considered only upto to the edge of PCC (as per drawings) and NO Additional cost is payable for excess working width, depth and overlapping (duplicate measurement).				
3.01			All kind of soil				
a	474.85	Cum	Depth 0.0 to 1.50m	1 M <sup>3</sup> (One Cubic Metre)			
b	365.00	Cum	Depth 1.50 to 3.0m	1 M <sup>3</sup> (One Cubic Metre)			
3.02			Ordinary rock				
a	150.00	Cum	Depth 3.0 to 4.50m	1 M <sup>3</sup> (One Cubic Metre)			
3.03			Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.				
a	365.00	Cum	All kind of soil (1.50 to 3.0m )	1 M <sup>3</sup> (One Cubic Metre)			









S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
8.00		<b>REINFORCED CEMENT CONCRETE</b>				
		Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Ordinary portland cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; including the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge. removal of formwork and compaction with use of mechanical vibrator, but exclude cost of steel reinforcement and binding wire. The work should be carried out according to IS code and as per details given in specifications and drawings. All complete as per drawing, approval and instructions of the Architect / Bank				
		Concrete of <b>M25 grade</b> with minimum cement content of 330 kg/cum				
8.01		<b>All works upto plinth level</b>	1 M <sup>3</sup> (One Cubic Metre)			
a	107.47	Cum Raft concrete	1 M <sup>3</sup> (One Cubic Metre)			
b	43.34	Cum Plinth beam	1 M <sup>3</sup> (One Cubic Metre)			
c	8.27	Cum Column	1 M <sup>3</sup> (One Cubic Metre)			
d	51.63	Cum Compound wall	1 M <sup>3</sup> (One Cubic Metre)			
e	26.00	Cum Sump & Septic tank	1 M <sup>3</sup> (One Cubic Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
8.02			<b>All works above plinth level upto floor V level</b>				
			<b>RCC column</b>				
a	9.00	Cum	Stilt floor R.C.C Column	1 M <sup>3</sup> (One Cubic Metre)			
b	9.00	Cum	First Floor RCC Column	1 M <sup>3</sup> (One Cubic Metre)			
c	9.00	Cum	Second Floor RCC Column	1 M <sup>3</sup> (One Cubic Metre)			
d	9.00	Cum	Third Floor RCC Column	1 M <sup>3</sup> (One Cubic Metre)			
e	9.00	Cum	Headroom & Water tank RCC column	1 M <sup>3</sup> (One Cubic Metre)			
f	1.86	Cum	Clock Tower RCC Column	1 M <sup>3</sup> (One Cubic Metre)			
			<b>RCC ROOF SLAB AND BEAM</b>				
g	12.00	Cum	Stilt floor Roof slab and beam	1 M <sup>3</sup> (One Cubic Metre)			
h	22.00	Cum	First floor Roof slab and beam	1 M <sup>3</sup> (One Cubic Metre)			
i	22.00	Cum	Second floor Roof slab and beam	1 M <sup>3</sup> (One Cubic Metre)			
j	24.00	Cum	Third floor Roof slab and beam	1 M <sup>3</sup> (One Cubic Metre)			
k	18.00	Cum	Headroom Roof slab and beam	1 M <sup>3</sup> (One Cubic Metre)			
l	16.00	Cum	Over head Water tank - side RCC wall and Bottom and cover slab	1 M <sup>3</sup> (One Cubic Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
m	15.91	Cum	Clock Tower Roof slab and beam	1 M <sup>3</sup> (One Cubic Metre)			
			<b>RCC LOCKER / STRONG ROOM</b>				
a	17.00	Cum	RCC Locker / Strong Room - Rcc Wall	1 M <sup>3</sup> (One Cubic Metre)			
8.03			<b>Concrete of M35 grade with minimum cement content of 370 kg /cum</b>				
a	37.00	Cum	Ground Floor	1 M <sup>3</sup> (One Cubic Metre)			
b	35.00	Cum	First Floor	1 M <sup>3</sup> (One Cubic Metre)			
c	35.00	Cum	Second Floor	1 M <sup>3</sup> (One Cubic Metre)			
d	37.00	Cum	Third Floor	1 M <sup>3</sup> (One Cubic Metre)			
9.00			<b>Steel reinforcement</b>				
			Providing Fe 500 TMT conforming to IS 1786 for RCC works including cutting bending ,cranking, placing in position with binding wire G.I.18 gauge wire double runs, with 'authorized/ as per codes Laps, chairs, spacers only should be added. Approved TMT(Thermo Mechanically Treated steel) Bars. (Payment will be made for actual length measurement of fabricated steel work including authorized laps only calculated on theoretical weight for different sections).				
a	8060.40	Kg	Raft concrete	Kilogram			
b	12419.38	Kg	Column	Kilogram			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
c	20559.42	Kg	Beam	Kilogram			
d	3459.18	Kg	Roof slab	Kilogram			
e	6425.58	Kg	Rcc wall	Kilogram			
f	24624.39	Kg	PT rebar & tendons				
10.00			<b>Masonry work</b>				
			Brick work with common burnt clay machine moulded modular bricks of class designation 12.5 in exposed brick work IS : 2222 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:4 (1 cement : 4 coarse sand) including finishing, curing, Scaffolding etc., complete as per drawing, approval and instructions of the Architect / Bank .				
10.01	20.00	Cum	Below plinth level	1 M <sup>3</sup> (One Cubic Metre)			
	30.12	Cum	Compound wall	1 M <sup>3</sup> (One Cubic Metre)			
10.02			Above plinth level upto floor V level	1 M <sup>3</sup> (One Cubic Metre)			
a	48.00	Cum	Ground Floor	1 M <sup>3</sup> (One Cubic Metre)			
b	54.00	Cum	First Floor	1 M <sup>3</sup> (One Cubic Metre)			
c	63.00	Cum	Second Floor	1 M <sup>3</sup> (One Cubic Metre)			
d	63.00	Cum	Third Floor	1 M <sup>3</sup> (One Cubic Metre)			
e	29.00	Cum	Terrace Floor	1 M <sup>3</sup> (One Cubic Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
f	18.95	Cum	Elevation work	1 M <sup>3</sup> (One Cubic Metre)			
g	17.83	Cum	Compound wall	1 M <sup>3</sup> (One Cubic Metre)			
11.00			Half brick masonry / Brick Partition Walls with common burnt clay machine moulded modular bricks of class designation 12.5 in exposed brick work IS : 2222 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete in cement mortar 1:3 (1 cement : 4 coarse sand) using hoop iron reinforcement for every third course, if found necessary standard specification including finishing, curing, Scaffolding etc., complete as per drawing, approval and instructions of the Architect / Bank .				
11.01			Above plinth level upto floor V level				
a	17.51	Sqm	Ground Floor	1 M <sup>2</sup> (One Square Metre)			
b	26.00	Sqm	First Floor	1 M <sup>2</sup> (One Square Metre)			
c	55.00	Sqm	Second Floor	1 M <sup>2</sup> (One Square Metre)			
d	81.25	Sqm	Third Floor	1 M <sup>2</sup> (One Square Metre)			
e	106.85	Sqm	Elevation work	1 M <sup>2</sup> (One Square Metre)			
f	10.40	Sqm	Compound wall	1 M <sup>2</sup> (One Square Metre)			
			Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
	279.50	Sqm	Above plinth level upto floor V level	1 M <sup>2</sup> (One Square Metre)			
12.00			<b>FINISHING WORK</b>				
			<b>Internal Plastering</b>				
12.01	1457.00	Sqm	<p>Providing and applying 12-15 mm thick plain cement plaster at all heights and below plinth in C:M1:3 ( 1 part cement: 3 parts sand/M Sand- 50% coarse and 50% fine) cement mortar to the walls,beams, ceiling, stair, column, pardis, bends, moulds, pattas, grooves over surface as specified including scaffolding, curing and finishing smooth at all levels. The plaster surface shall be rubbed smooth with Iron Plate, till the surface shows cement paste in line and level complete as directed. The joint between block work and RCC shall be prepared with chicken mesh to avoid cracks. The rate shall include providing and fixing of chicken mesh, necessary hacking works for key and scaffolding works complete. No additional cost will be paid for thickness more than 12/15mm due to out of plumb walls.(chicken mesh should be placed in joints between block work and Rc column /Rc beams) All complete as per drawing, approval and instructions of the Architect / Bank. Approved materials Grey Cement (43 Grade).</p>	1 M <sup>2</sup> (One Square Metre)			

S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
		<b>External Plastering</b>				
12.02	1960.00	Sqm Providing and applying 20 mm thick plain cement plaster in two overlapping layers on 12mm and 6 mm, at all heights, and below plinth in C:M 1;4 ( 1 part cement: 4 parts sand/M Sand- 50% coarse and 50% fine) cement mortar to the skirting, kerbs etc over surface as specified including scaffolding, curing and finishing smooth. The plaster surface shall be rubbed smooth with Iron Plate, till the surface shows cement paste in line and level complete as directed. The joint between block work and RCC shall be prepared with chicken mesh where block work joins rcc beam / rcc column to avoid cracks. The rate shall include cost of providing and fixing of chicken mesh, necessary hacking works for key and scaffolding works complete. No additional cost will be paid for thickness more than 18mm due to out of plumb walls. Approved make Grey Cement (43 Grade).	1 M <sup>2</sup> (One Square Metre)			
12.03	392.48	Sqm Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof.	1 M <sup>2</sup> (One Square Metre)			
12.04	39.00	Sqm Extra for plastering done on moulding, cornices or architraves including neat finish to line and level:	1 M <sup>2</sup> (One Square Metre)			
13.00		<b>FINISHING</b>				
13.01	2139.06	Sqm Providing and applying plaster of paris putty of 2 mm thickness (two coats) over plastered surface to prepare the surface even and smooth complete.	1 M <sup>2</sup> (One Square Metre)			



S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
14.00		<b>WATER PROOFING TREATMENT</b>				
		<b>WATER PROOFING TREATMENT FOR BATH - W.C.- KITCHEN &amp; SUNK PORTION</b>				
14.01	50.24	Sqm Providing & laying Chemical Water proofing in sunken slabs of bath, W.C., KITCHEN AND SUNKEN etc. Preparing the surface thoroughly by cleaning the surface using wire brush. Removing dust, dirt, excess mortar, oil and loose particles on the surface. Injection Grouting is Done with Cementitious Polymer Grout with 1:2:1 (1 part of cement :2 parts of water : 1 part of SBR polymer) Cut open and seal the cracks in RCC using Polysulphide / Silicon sealant and Side Haunching is Done with polymer Cement mortar of Ratio 1:3 with SBR added with 500ml per bag of cement. Application of Two Coats of Elastomeric Acrylic Polymer Modified Cementitious waterproofing compound over the prepared surface with min interval of 5-12hours between two coats and providing drip pipe.	1 M <sup>2</sup> (One Square Metre)			
		providing a Protection Screed of cement mortar 1:4 (1 cement : 4 sand) admixed with water proofing compound and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:4 (1 cement :4 sand ) admixed with water proofing compound like SBR or any Integral Waterproofing compound of any approved make. Rate includes curing as per norms.				

S.NO	Description of work		Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
14.02		<b>Providing &amp; laying Chemical WATERPROOFING TREATMENT FOR Under Ground Pump Room, SUMP, FIRE TANK &amp; WATER RETAINING STRUCTURES, OHT, LIFT Pit.</b>				
		Surface Cleaning/Grouting/Crack Filling Preparing the surface thoroughly by cleaning the surface using wire brush. Removing dust, dirt, excess mortar, oil and loose particles on the surface. Injection Grouting is Done with Cementious Polymer Grout with 1:2:1 (1 part of cement :2 parts of water : 1 part of SBR polymer) Cut open and seal the cracks in RCC using Polyurethane sealant and Side Haunching is Done with polymer Cement mortar of Ratio 1:3 with SBR added with 500ml per bag of cement.				
	91.65	Sqm Packing of Joints The Construction Joints are cut open are properly packed using Epoxy mortar or polymer modified cement mortar 1:4 (1 cement : 4 sand) admixed with water proofing compound	1 M <sup>2</sup> (One Square Metre)			
		Application of Polyurethane Coat (INTERNAL and EXTERNAL surface of the UG SUMP/PUMP room) Box Type.				
		surface applied, Polyurethane waterproofing material, which waterproofs and protects concrete applied to a concrete surface of an approved make is applied in two coats with min 12hours time interval between two coats.				
		PROVIDING Protection Screed in INTERNAL & EXTERNAL Rack WALL/FIORS in UNDERGROUND Structures(40mm thick in TWO layers of 20mm) AND IN INTERNAL SURFACE OF OH TANKS.				

S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
		providing a Protection Screed of cement mortar 1:4 (1 cement : 4 sand) admixed with water proofing compound and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:4 (1 cement :4 sand ) admixed with water proofing compound like SBR(as per manufacturers specification for the ratio) or any Integral Waterproofing compound of an approved make.				
		Application of Epoxy Coating (internal surface of the UG SUMP, OHT)				
		Proving the Plastered surface using Two component Water Based Epoxy Coating of any approved brand of as a top coat. Applied in TWO Coat with vertical and horizontal strokes having min 12hrs interval between two coats to act as a protection layer including 1 coat of approved primer.				
14.03		<b>WATERPROOFING TREATMENT FOR TERRACE</b>				
		Surface Cleaning/Grouting/Crack Filling Providing & laying Chemical Water proofing in Terrace. Preparing the surface thoroughly by cleaning the surface using wire brush. Removing dust, dirt, excess mortar, oil and loose particles on the surface. Injection Grouting is Done with Cementious Polymer Grout with 1:2:1 (1 part of cement :2 parts of water : 1 part of SBR polymer) Cut open and seal the cracks in RCC using Silicone or Polysulphide sealant and Side Haunching is Done with polymer Cement motor of Ratio 1:3 with SBR added with 500ml per bag of cement.				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
	527.21	Sqm	Application of PU Coating Providing and laying Polyurethane Coating over the surface includes application of Polyurethane Primer in the surface with 1-1.2kg/sq.m is allowed to dry for 3-6hours time and Two Coats of Polyurethane membrane coating is applied over the surface using leveling pad with interval of min12hours time interval which serves has a protection layer on the surface and antibacterial and fire resistant having high elastomeric strength resistant to movement of the building and wear and tear cycle.	1 M <sup>2</sup> (One Square Metre)			
			PROVIDING Protection Screed(40mm thick in TWO layers of 20mm) providing a Protection Screed of cement mortar 1:4 (1 cement : 4 sand) admixed with water proofing compound and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:4 (1 cement :4 sand ) admixed with water proofing compound like SBR or any Integral Waterproofing compound of any approved make.				
15.00			<b>WEATHERING COURSE:-</b>				
15.01	166.00	Sqm	Providing and laying brick jelly lime concrete in weathering course- using 12 mm brick jelly 2½ :1 of slaked lime well mixed and laid to slope and consolidated with added waterproof ad mixture of FOSROC' , Dr. Fixit or With average thickness of 120 mm and minimum thickness OF Brick Bat/Brick Jelly at 65 mm. The whole terrace so finished shall be flooded with water for a minimum period of 3 days for curing and so final test all above operations to be done as per approval and instructions of the Architect /Bank.	1 M <sup>2</sup> (One Square Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
15.02	188.00	Sqm	Providing and laying Heat resisting white tiles of approved make laid over cement mortar 1:3, with joints grouted with waterproofing compound( SBR IN PROPORTION AS PER MANUFACTURERS SPECIFICATION) and skirting tiles laid to slanting position with parapet wall plastering to overlap over the skirting tile WITH ALL NECESSARY HAUCHING TO AVOID WATER SEEPAGE. (BASIC COST OF TILE : Rs.518/Sqm)	1 M <sup>2</sup> (One Square Metre)			
16.00			<b>UPVC WORK</b>				
			Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50m in height dimension comprising of UPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 plus or minus 0.2mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and UPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40kg), GI fasteners 100 x 8mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardwares and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-charge. (Single/ double glass panes, wire mesh and silicon sealent shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.				



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
16.01	47.00	Sqm	Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm).	1 M <sup>2</sup> (One Square Metre)			
16.02	42.00	Sqm	Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension . (Area of window above 1.75 sqm upto 2.50 sqm)	1 M <sup>2</sup> (One Square Metre)			

S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
		Providing and fixing factory made uPVC white colour fixed glazed windows/ ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), , uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.Ifasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profileof frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc.After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof siliconealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge.(Single / double glass panes and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.				
16.03	2.00	Sqm	Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area upto 0.75 sqm.)	1 M <sup>2</sup> (One Square Metre)		

S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
16.04		Supplying and fixing of M.S. grill of approved design for open courtyard, grill, grill work to doors and window openings etc., using necessary mild steel flats for inner and outer members which should be fixed on edges including cutting the members, welding, grinding, one coat of priming coat using best approved quality red oxide primer, dismantling of walls / concrete if necessary, fixing and finishing the dismantled portion to original condition etc., complete complying with standard specification.				
	6217.00	KG	Fixed to steel windows by welding.	Kilogram		
	3807.00	KG	Fixed to steel gate, Compound Wall grill by welding.	Kilogram		
	105.00	KG	MS Ladder - Clock Tower	Kilogram		
16.05		Staircase Baluster of SS 316 L grade Providing and fixing in position pipe railing of height 90cm from the finished floor of tread edge to detail with 30mm dia SS square bar verticals of 1nos and 1 no 50mm dia SS pipe top Hand rail & 4 nos 20mm dia SS circular bars horizontal (fixed to verticals by accessory fixing and not welded) including bending, turning, cutting, welding ,fixing in floors including SS cover plate / sides including providing and fixing necessary SS insert plates of size 90x150mm & 6mm thick and necessary grinding, polishing all as per detailed architectural drawings. The rate should also include cost of any welding, buffing, polishing of all SS works of required finish all complete as per the approval of the Architect (Measured in RM for complete work and not each pipe separately.) Note: All SS pipe used shall be of SS316 L grade only				





S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
17.00			<b>WOODEN DOOR</b>				
			<p>MAIN DOOR - Supplying and fixing of Teak Wood Panelled door frame and shutter for the main door as per detailed drawing. The frames to be of size 75mm x 200mm teak wood 1st quality fixed to the masonry wall using hold fast / anchor fasteners. The Panel (38mm thk) shutter with vertical and horizontal Styles to be fixed with necessary hardware as per design and detail. The cost includes plaining, necessary rebates, etc. The Shutter to be fixed with 4 No.s of ms hold fast each on either side. The cost to include fixing of the doors in position with necessary Quality Branded items locks, 8" Brass tower bolts, Door stopper with rubber bush, Heavy-duty SS ball bearing butt hinges 150 x 5.5 mm (4 No.s. per shutter) with screws. The item is inclusive Mortise lock, Brass door handle of reputed make, door stopper, door bush, viewing lence. All complete as per DRAWINGS , approval and instructions of the Architect / employer. (hardware -Godrej ARSA-6110+lockset ,Ebco,Hettich-SSD3).</p>				
17.01	20.00	Sqm	Entrance door	1 M <sup>2</sup> (One Square Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			Providing and fixing Flush doors for all the bedrooms& Kitchen - TYPE D1. The door frame to be of size 65mm x 100mm - teakwood 2nd quality fixed to the masonry wall with 3 nos of hold fast each on either side with necessary rebates The shutter would be 38 mm thick solid core commercial flush door wit necessary approved WOOD texture lamination(1.5mm laminate with teakwood lipping on all sides. 38mm thick Phenol formaldehyde bonded and borer proof flush door shutter as per IS: 2202 (part I) solid block core type having exterior grade 8 mm thick commercial ply, on both faces of shutter. Shutter finished in 1.5mm thick laminate on both sides (of approved wood grain shade). Wood protected with melamine polishing for lipping. Heavy-duty SS ball bearing butt hinges 150 x 5.5 mm (4 Nos. per shutter) with screws. The item is inclusive Mortise lock, Brass door handle of reputed make, door stopper, door bush, melamine polishing. All complete as per DRAWINGS , approval and instructions of the Architect / employer. (using flush door of Century, Archid , or equivalent and hardware -(hardware - Godrej ARSA-6110+lockset ,Ebco,Hettich-SSD3).				
17.02	19.00	Sqm	Flush Door - D	1 M <sup>2</sup> (One Square Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			Providing and fixing Flush doors for all the toilets - TYPE D2. The door frame to be of size 65mm x 100mm - teakwood 2nd quality fixed to the masonry wall with 3 nos of hold fast each on either side with necessary rebates. The shutter would be 38 mm thick solid core commercial flush door with water proof resin coating on both sides, and 1.5mm thk lamination of approved colour with teakwood lipping on all sides. The cost to include fixing of the doors in position with necessary Heavy-duty SS ball bearing butt hinges 150 x 5.5 mm (4 Nos. per shutter) with screws., Mortise lock, tower bolts, stoppers, etc. all complete. using hardware -Godrej ,Ebco,Hettich				
	12.00	Sqm	Flush Door - TD	1 M <sup>2</sup> (One Square Metre)			
18.00			<b>FLOORING</b>				
18.01			Providing and fixing homogenous Vitriified tiles of size 800mm x 800mm approved make in CM 1:4 to the required pattern as per the drawing, and pointing the joints with the matching epoxy grout of Laticrete/ Bal Endura or approved equivalent make. The laying shall be to the true level, and approved pattern. The rate includes cleaning and maintaining till handover. After Laying the Flooring tile( with spacers if required as per directions of Architect/Site Engineer) the joints are sealed with two component or Three component Epoxy Tile grout fillers of approved make ( Pidilite)which is acid/ chemical resistant, non- cracking or powdering, anti- fungal & antibacterial compound. The basic price of tile to be Rs.800 per Sq.m , Size of Tile : 800 x 800mm				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
	14.63	Sqm	Ground Floor	1 M <sup>2</sup> (One Square Metre)			
	108.68	Sqm	First Floor	1 M <sup>2</sup> (One Square Metre)			
	111.00	Sqm	Second Floor	1 M <sup>2</sup> (One Square Metre)			
	340.06	Sqm	Third Floor	1 M <sup>2</sup> (One Square Metre)			
			<b>100mm high Skirting</b>				
	1.53	Sqm	Ground Floor	1 M <sup>2</sup> (One Square Metre)			
	10.86	Sqm	First Floor	1 M <sup>2</sup> (One Square Metre)			
	10.80	Sqm	Second Floor	1 M <sup>2</sup> (One Square Metre)			
	14.82	Sqm	Third Floor	1 M <sup>2</sup> (One Square Metre)			
18.02			Supply and fixing of 305 x 305mm antiskid Ceramic tiles for the flooring of approved colour and minimum thickness of 8mm laid over 20 mm thick in cement mortar 1:3. After Laying the Flooring tile (with spacers if required as per directions of Architect/Site Engineer) the joints are sealed with two component Epoxy Tile grout fillers of approved make (Pidilite) which is acid/ chemical resistant, non- cracking or powdering, anti- fungal & anti- bacterial compound. Basic Cost of the tile: Rs.538 per Sq.m				
	2.25	Sqm	Ground Floor	1 M <sup>2</sup> (One Square Metre)			



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
18.04	173.25	Sqm	Providing and fixing of 20mm thick semi polished black granite for the staircase - tread, risers and mid-landing slabs. Cost includes cutting and laying in position along with nosing of the edges, (3 nos 5mm x 5mm linear grooves for full length of step, rubbing, polishing and nosing at edges etc.), with all lead and lift, Protection and maintaining till handover. The granite stone slabs and other materials to be used shall be got approved by the Engineer concerned before use on work, etc., complete as per standard specification. The basic price of tile to be Rs.2690 per Sq.m.	1 M <sup>2</sup> (One Square Metre)			
	11.22	Sqm	Providing and fixing of 100mm high skirting all around to match the floor granite	1 M <sup>2</sup> (One Square Metre)			
18.05			Providing and laying 20mm thick machine cut and polished black galaxy granite slabs of approved quality over a bed of minimum 15mm thick in CM 1:3 over Wash Basin counter tops and preparation tables/benches all complete as directed. The rate should include cost of edge bevelling of required profile including grinding, Buffing and polishing etc all as per detailed architectural drawing at all levels. Tenderer to apply a coat of epoxy or fiber glass or any other application at the back of stone to ensure that no dampness occurs after laying of stones. Cost includes provision for cut-outs for gas holes and sinks etc., all complete. The basic price of tile to be Rs.2152 per Sq.m				
	16.00	Sqm	black granite galaxy	1 M <sup>2</sup> (One Square Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
18.06	20.00	Sqm	Supplying and fixing of (CATS EYE) 20 mm thick Granite for <b>Lift wall cladding</b> , Jamb entrance at all the floors. Rate to include all lead and lift, transportation, shifting, Scaffolding, temporary supports etc. The basic price of tile to be Rs.2690 per Sq.m.	1 M <sup>2</sup> (One Square Metre)			
18.07	16.00	Sqm	Grano flooring: Providing and laying reinforced cement concrete 12 mm size blue granite metal grano flooring in CM 1:1½:3 (M20) on an average thickness of 75mm The rate include curing and compaction and followed by immediate smooth finish with power Trowel. The work should be carried out according to IS code and as per details given in specifications and drawings to the Instructions of the Architect/Site engineer.	1 M <sup>2</sup> (One Square Metre)			
18.08	227.00	Sqm	Decorative cement tile Paver 38mm thick (Eurocon/basant beton) - flooring for car park area in Stilt floor. Laying of Precast Concrete tiles of approved design and colour as per the drawings laid to pattern over a base mortar(as per manufacturer's specification) laid to line and slope without any voids/ir gaps underneath, cutting and making edges straight around Manhole cocer location,packing of loose joints with PU grouts(Bal Grout/endura). The basic price of tile to be Rs650.00 per Sq.m , (BASANT BETON : TRAVERSE , EUROCON :AQUARIUS/MARMARA)	1 M <sup>2</sup> (One Square Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
18.90	98.00	Sqm	LAYING OF PAVER BLOCK: (Eurocon/basant beton) Providing & fixing 80mm thick Interlocking Concrete Paving blocks for Reflective Type(Wet Cast) For Medium Traffic in stilt floor driveway: Compressive strength- Average not less than 450 Kg/cm2, Average wear in Thickness- AbrasionAverage wear not more than 2mm, Tolerance in size (length + breadth) - ± 2mm, Thickness of wearing layer - Not less than 5mm, Tolerance in Thickness of block - ± 5mm, Colours - The Concrete Pavers should confirm to requirements of IS 15658:2006, • The manufacturing company must be an ISO 9001:2015 certified Company or should have equivalent quality management systems in place to ensure quality product. The basic price of tile to be Rs.650 per Sq.m , (BASANT BETON : ROSA COMETA GRASS PAVER, FLEXI PAVER)	1 M <sup>2</sup> (One Square Metre)			
			The Concrete Pavers should confirm to requirements of IS 15658:2006, • The manufacturing company must be an ISO 9001:2015 certified Company or should have equivalent quality management systems in place to ensure quality product. • The colours of the blocks (wearing layer) will be as selected by the architects. • Colour Concrete paving blocks shall be manufactured as per stated specifications using approved colour pigment of “LANXESS”. Grey OPC 53 grade cement shall be used for coloured pavers to obtain the desired shade. Sand bedding to the required pattern and compacting, including cost, leveling of sub base etc. Cleaning the floor with side plastering. Paver blocks in stilt floor driveway with necessary block works and plastering				



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
18.10	85.85	RM	LAYING OF Pre Cast RCC KERB 100 x 300x600 mm: Supplying and laying in place Precast RC KERB block of approved make and design over pcc bed to proper line and length as er the details/drawings all complete as per instructions of the Architect. The basic price of kerb piece to be Rs.900 per Rm.	1RM (One Running Metre)			
19.01	930.00	RM	Making External Plastering grooves with proper aluminium/wooden channel maintaining uniformity /plumb throught the running length of the <b>groove</b> of 25mmx12mm size as per the drawings to the Approval of the Architect / Bank.	1RM (One Running Metre)			
19.02	410.00	RM	Plastering and finishing of 12mm thick Elevation design border work 100 mm x 100 mm with Cement motar 1:4(1cement:4 Fine sand), window opening in elevation level, in all heights including edges smooth finishing, Terrace parapet, with cornice etc complete, with proper line and length as per the drawings and painted with external weather coat ( asian / dulux), Rate including all material labour, lead, lift, scaffolding, tax, transportation etc tothe Approval of the Architect / Bank.	1RM (One Running Metre)			
19.03	145.00	Nos	Precast Concret Bollards	Numbers			

S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
20.00	2.00	MT	Metric Tonne			

Post Tensioning Work:  
Design and execution of post tensioning work,including, cutting to the required lengths, supplying and laying of HT strands, sheathing(GI corrugated ducts 0.3mm thick) jointing with couplers and inserting the strands, profiling,fixing live end anchorages, including supply of stressing anchorage ,suitable for 5-5 &5-4 tendons, grout vents, making dead end anchorages including flowering the strands,fixing tendon support bars,supervising the fixing of antibursting reinforcement, stressing the cables end trimming, grouting the cables with cement slurry mixed with admixtures with required tools ,plants, machineries, consumables etc. (shuttering,concreting&reinforcement steel shall be paid under respective items)at all heights including all leads,lifts,coordination,with the Post-tensioning agency,prepartion of drawing,obtaining approval from the employer/Architects etc.Rate to include providing water,power,cement and admixture for grouting,packing of sheating and anchorage blocking,filling of recess pockets after stressing using grouts(cement slurry mixed with approved admixtures)including providing access to post tensioning at all heights including all leads,lifts,etc.,all complete and as approved and as directed by the employer architect but excluding shuttering,concreting&reinforcement steel which shall be payable under respective items separately.

S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
21.00	26.19	sqm	<p>Supplying and Erecting of Rolling Shutters shall be pull and push type ( manually operated) made of 18 G/3" lath sections which consist of five main parts such as curtain, lock plate, guide channels, rollers and hood cover. These five main parts are made out of special components detailed below. Curtain shall be of 18G/3" lath sections cut to required size and filled with heavy cast iron/ MS clips for 8'0" (245 m) heigh rolling shutter lath sections provided shall be not less than 37 numbers. Lock plate shall be 10 G sheet and attached to the side bracket with 20mm square bar. Side brackets shall be 10 G MS plate and cast iron "u" clamp shall be riveted to the side brackets. Roller shall be heavy cast iron piles fitted with heavy duty "c" class 40 mm steel pipe and high tensile high carbon coil springs, 2 spring shall be supplied side brackets shall be of 100 G MS plate and cast iron "u" clamp shall be riveted to the side brackets. Hood cover shall be of 0.80 cm crca sheet reinforced with 25mm x 25mm x 25 mm x 3mm MS angles of gate channel. The rolling shutter in addition to the above should have pulling hook and shall be coated on exposed area with heave coat of red oxide primer etc., complete complying standard specification</p>	<p>1 M<sup>2</sup> (One Square Metre)</p>		



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
22.00	1.00	Nos	Supplying, erecting ,Commissioning of 8 persons without Machine Room (884-1000 Kgs-1.5 m/sec) Passanger lift at the site. The Size of Lift Well (1900± 200X1700 ± 200 mm) Lift Car Inside Size (1550± 100x1400± 100x2200± 100 mm )with Stainless steel - Hairline finish for Lift & Car ceiling and floor. The type of the car entrance and Landing entrance production is power operated centre opening sliding door with stainless steel ( hairline finish).The type of Landing door frame is Stainless Steel (hairline finish).The clear opening of door is 900mmX2100mm.The control system are Microprocessor based simplex selective collective control with /without attendant of AC 400/440 VOLTS, 3 PHASE, 50 CYCLES of Elecrical supply with Necessary fiitings, Labour, annual maintanance ,etc to complete.	Numbers			
23.01	7.00	Nos	Supplying and fixing in position CI manhole covers with CI frames (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete compying with standard specifications.	Numbers			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
23.02	60.00	Nos	Providing and fixing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.The rate shall include labour, tax, transport,lead ,lift etc to complete the work as direction by engineer in charge.The Rate including Materials,labour,transport,lead, lift etc to complete as per the direction of engineer in charge.	Numbers			
23.03	30.00	RM	Supply and placing in position of PVC water stopper 8 - 10 mm thick 310 mm wide.The rate shall includes necessary labour, transport, tax,lead,lift etc to complete as direction by engineer incharge.	1RM (One Running Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
24.00	18.00	SQM	Supplying & fixing of frame less Double glass door with 12mm thick toughened glass using patch fitting at top and bottom with necessary accessories such as floor spring, lock, handle, locking arrangement (Dorma or equivalent), and Frosted glass sticker (3m) (stickering shall be paid separately) etc., complete and as per Drawing	1 M <sup>2</sup> (One Square Metre)			
			<b>PLUMBING</b>				
			<b>SANITARY INSTALLATIONS</b>				
25.00	7.00	Each	Supplying and fixing in position White Glazed European Water Closet of best quality and approved make with 100mm 'P' or 'S' trap with Double flapped right P.V.C. seat cover with C.P. brass hinges with 10 litres PVC Low Level Flushing Tank with all internal fittings etc., complete complying with standard specifications, labor inclusive of fixing lowlevel flushing tank. Basic price of EWC : Rs. 8110/- ; Basic price of Flush Valve : Rs. 4000/- (Model NO -Hind Ware -Cat. No.:20082) Approved Makes for EWC : Hindware/ Parryware/ Cera / Approved Equivalent, Approved Makes for Flush Valve : Jaquar/ Hindware/Parryware / Approved Equivalent.	Each			
26.00	7.00	Each	Supply, Installation, Testing & Commissioning of 15 mm nominal bore C.P.Health Faucet. Rate to include cost of Hand Shower (Health Faucet) (ABS Body) with 1 Meter Long PVC Tube & CP Wall Hook. Basic price : Rs. 1175/- (Model NO -Hind Ware - Cat. No.:F160068CP) Approved Makes: Jaquar/ Hindware/ Parryware / Approved Equivalent.	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
27.00	3.00	Each	<p>Supply &amp; fixing in position of Indian make white glazed earthenware lipped mouth porcelain flat back <b>urinal</b> with all accessories such as 32mm dia bell mouth PVC connection, 15mm dia GM wheel valve, fixing the urinal to the wall in position with necessary TW plugs, clamps, screws, shellac etc including dismantling brick masonry if necessary and making good of the disturbed portion to original condition, fixing 15mm GI pipe connection and wheel valve, painting the pipe with two coats of approved paint over one coat of primer and check without any leakage etc. complete complying with std. specifications and as directed by dept. officers. (the Urinal should got approved by the Engineer before use on works)</p> <p>Basic price of Urinal : Rs. 3035/- (Model NO -Hind Ware -Cat. No.:60022) Approved Makes : Hindware/ Parryware/ Cera / Approved Equivalent,</p>	Each			
28.00	10.00	Each	<p>Supplying and fixing in position best quality approved make colour glazed earthen ware <b>wash hand basin</b> size 550mm x 400mm with a pair of cast iron brackets including cost of 15mm <math>\Phi</math> brass chromium plated pillar tap, 32mm <math>\Phi</math> C.P. waste, 32mm <math>\Phi</math> PVC waste pipe of standard pattern, 15mm <math>\Phi</math> G.M. Wheel valve 15mm <math>\Phi</math> brass nipple, 15mm <math>\Phi</math> Nylon connections etc. Including fixing the wash hand basin in the wall in position with a pair of C.I. Brackets with teak wood plugs and screws and giving necessary water supply connection and painting the brackets with two coats of paint over a priming coat of anticorrosive paint including testing for leakage etc. complete as per standard specifications. Basic price: Rs. 3985/- (Model NO -Hind Ware -Cat. No.:10080) Approved Makes: Jaquar/ Hindware/ Parryware / Approved Equivalent.</p>	Each			



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
29.00	24.00	Each	Supply, Installation, Testing & Commissioning of 15 mm nominal bore C.P. brass <b>Angular Stop Cock</b> with Wall Flange along with all required hardware. (Model NO -Hind Ware -Cat. No.:F570044CP) Approved Makes: Jaquar/ Hindware/ Parryware / Approved Equivalent. Basic Rate of the Fitting : Rs. 1250/-	Each			
30.00	24.00	Each	Supply, Installation, Testing & Commissioning of 15 mm nominal bore C.P. brass <b>Concealed Stop Cock</b> , Regular Body with Adjustable Wall Flange along with all required hardware complete. (Model NO -Hind Ware -Cat. No.:F570007CP) Approved Makes: Jaquar/ Hindware/ Parryware / Approved Equivalent. Basic Rate of the Fitting : Rs. 990/-	Each			
31.00	7.00	Each	Supply & Installation of CP Brass 15mm <b>2 Way Bib Cock</b> with Wall Flange along with all required hardware complete. (Model NO -Hind Ware -Cat. No.:F570005CP) Approved Makes: Jaquar/ Hindware/ Parryware / Basic Rate of the Fitting : Rs. 1350/-	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
32.00	10.00	Each	<p><b>Pillar Cock</b> Supply, Installation, Testing &amp; Commissioning of 15 mm nominal bore Single Lever Extended basin mixer (85 mm +/- 5 mm height) without pop up waste system, with 450 mm long braided hoses with base flange along with all required hardware complete. (Model NO -Hind Ware -Cat. No.:F570003CP) Approved Makes: Jaquar/ Hindware/ Parryware / Approved Equivalent. Basic Rate of the Fitting : Rs. 1350/-</p>	Each			
33.00	10.00	Each	<p>Supplying and fixing in position indian make <b>bevelled edge mirror</b> of approved quality and brand of size 600 X 450mm wth necessary plastic back, PVC frame with bottom stand of approved colour with brass screws,rawal plugs etc., complete complying with standard specifications.</p>	Each			
34.00	10.00	Each	<p>Supplying and fixing best approved quality Brass C.P / Al anodised <b>Towel rail</b> 600mm. long and 20mm Diameter with brackets of same material including cost of Teak-Wood plugs and C.P.Screws etc., complete complying with standard specifications. Basic price: Rs. 1250/- (Model NO -Hind Ware -Cat. No.:F880005CP) Approved Makes: Jaquar/ Hindware/ Parryware / Approved Equivalent.</p>	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
35.00	10.00	Each	Supply, Installation, Testing & Commissioning of <b>Soap Dish Holder</b> having with concealed fittings arrangement of approved quality and colour along with all required hardware complete. (Model NO -Hind Ware -Cat. No.:F880011CP) Approved Makes: Jaquar/ Hindware/ Parryware / Approved Equivalent. Basic Rate of the Fitting : Rs. 875/-	Each			
			<b>DRAINAGE INSTALLATIONS</b>				
			Providing and fixing soil, waste and vent pipes :				
36.00			110 MM Internal/ External Soil Waste PVC Line				
	103.00	RM	Supply, Installation, Testing & Commissioning of 110mm OD 6KG/Sq.cm, Internal & External Soil/ Waste Water foam core PVC (SWR) pasted pipe at site using Solvent Cement ISI Marked [As per IS 4985] along with Heavy duty ISI Marked PVC fittings, Ts, Elbows, Bends, Ys etc. Adapters, Air vents, Inspection Eyes, Clamping with GI U Clamps as required for firmly installing the pipes. Testing of the system for leakage and Air tightness. Approved Make: Ashirvad /Astral /Sentini/Approved Equivalent.	1RM (One Running Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
37.00			<b>VENT PIPING</b>				
	19.57	RM	Supplying and fixing in position best quality foam core PVC (SWR) soil/ waste pipes (6Kg/sq.cm) of various sizes having ISI mark and providing leakproof joints including fixing to the wall with P.V.C/ M.S clamps etc., and making connection to all sanitary fittings, dismantling masonry/R.C.C. works wherever necessary and making good the dismantled portion to the original condition, complying with standard specifications.	1RM (One Running Metre)			
38.00			<b>S.W.V. Fittings</b>				
a			CI nahini trap /floor trap with ss grating				
	20.00	Each	Supplying and fixing in position of Nahni trap/ PVC with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime concrete 1:2:4 mix using 40mm brick jelly and finished with C.M.1:3 mix including dismantling brick masonry wherever found necessary and making good of the disturbed portion to original condition and giving connections to the cast iron pipe as directed etc complete complying with std. specifications (the Nahni trap should got approved by the Engineer before use on works)	Each			
b			<b>Vent cowl</b>				
	5.00	Each	Supplying and fixing P.V.C. ventilating shaft of 110mm dia 6Kg/sqm and vent cowl 3m height of best approved quality and as per standard specifications.	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
39.00			Constructing masonry Chamber <b>60x60x75 cm</b> , inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size ) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :				
	2.00	Each	With F.P.S. bricks	Each			
40.00			Constructing masonry Chamber <b>60x45x50 cm</b> ,inside with 75 class designation brick work in cement mortar 1:4 (1 cement:4 coarse sand) for water meter complete with C.I. Doble flap surface box 400x200x200mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 corase sand: 4 graded stonr aggregate 20mm nominal size) necessary excavation foundation concret 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size ) and inside plastering with cement mortor 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design.				
	2.00	Each	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
41.00			Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size ) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :				
	1.00	Each	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each			
			<b>WATER SUPPLY INSTALLATIONS</b>				
42.00			Providing and fixing <b>Un-Plasticized Polyvinyl Chloride (UPVC)</b> pipes, having thermal stability for hot & cold water supply including all UPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step UPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.				
			External Work				
	5.00	RM	25 mm nominal outer dia .Pipes.	1RM (One Running Metre)			
	32.30	RM	32 mm nominal outer dia .Pipes.	1RM (One Running Metre)			
	94.00	RM	40 mm nominal outer dia .Pipes.	1RM (One Running Metre)			
	26.00	RM	50 mm nominal outer dia .Pipes.	1RM (One Running Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
	5.00	RM	65 mm nominal outer dia .Pipes.	1RM (One Running Metre)			
			<b>Internal work</b>				
43.00			Providing and fixing Un-Plasticized Poliyvinyl Chloride (UPVC) pipes,having thermal stability for hot & cold water supply including all UPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step UPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.( <b>Concealed/exposed work including cutting chases and making good the walls etc.</b> )				
	12.00	RM	15mm nominal dia. Pipes.	1RM (One Running Metre)			
	55.10	RM	25mm nominal dia. Pipes.	1RM (One Running Metre)			
	8.00	RM	20mm nominal dia. Pipes.	1RM (One Running Metre)			
	8.00	RM	32mm nominal dia. Pipes.	1RM (One Running Metre)			
44.01	4.00	Each	50 MM Dia CPVC Valve Supply and fixing of 50 mm Dia cPVC Ball Valve of approved make with necessary flanges, gaskets, nuts and bolts complete as required and shall be compatible with Composite pipes as applicable.etc all complete as directed by Architect/ Engineer in charge	Each			
44.02	2.00	Each	40 MM Dia CPVC Valve Supply and fixing of 40 mm Dia cPVC Ball Valve of approved make with necessary flanges, gaskets, nuts and bolts complete as required and shall be compatible with Composite pipes as applicable.etc all complete as directed by Architect/ Engineer in charge	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
44.03	4.00	Each	32 MM Dia CPVC Valve Supply and fixing of 32 mm Dia cPVC Ball Valve of approved make with necessary flanges, gaskets, nuts and bolts complete as required and shall be compatible with Composite pipes as applicable.etc all complete as directed by Architect/ Engineer in charge	Each			
44.04	4.00	Each	25 MM Dia CPVC Valve Supply and fixing of 25 mm Dia cPVC Ball Valve of approved make with necessary flanges, gaskets, nuts and bolts complete as required and shall be compatible with Composite pipes as applicable.etc all complete as directed by Architect/ Engineer in charge	Each			
44.05	2.00	Each	50 MM GM Float Valve Supply & Fixing of 50 MM NB GM Float Valve With Flexible Rod, along with Heavy Quality PVC Ball, Automatic Open Shut To Save Water to be fixed with appropriate alignment for water tank	Each			
44.06	2.00	Each	40 MM GM Float Valve Supply & Fixing of 40 MM NB GM Float Valve With Flexible Rod, along with Heavy Quality PVC Ball, Automatic Open Shut To Save Water to be fixed with appropriate alignment for water tank	Each			
<b>SEWORAGE &amp; DRAINAGE SYSTEM</b>							
45.00			Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
45.01	30.00	RM	150 mm dia. R.C.C. pipe	1RM (One Running Metre)			



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
46.00			Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
46.01	2.00	Each	100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each			



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			<b>RAIN WATER PIPES AND FITTINGS</b>				
47.00	40.00	RM	Providing and fixing on wall face unplasticised Rigid 160mm OD 4KG/Sq.cm foam core PVC (SWR) rain water down pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.along with Heavy duty ISI Marked PVC fittings, Ts, Elbows, Bends, Ys etc. Adapters, Air vents, Clamping with GI U Clamps as required for firmly installing the pipes. Testing of the system for leakage and Air tightness. Approved Makes : ASTRAL/ASHIRVAD / Finolex / ISI Approved Equivalent	1RM (One Running Metre)			
			<b>PUMPS &amp; ALLIED WORKS</b>				
48.01			THREE PHASE SUBMERSIBLE PUMPSET SUITABLE FOR 150MM DIA BOREWELL AS PER IS 8034/2002 WITHOUT PANEL BOARD Supply and delivery of clear water vertical wet type submersible pumpset suitable for 150mm dia borewell conforming to IS 8034/2002 as amended thereafter and BEE 3 Star Rated capable of discharging noted LPM against head of water column due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze or Cast SS impeller, brass screws and CI FG 200 grade pump bowl/diffuser with ISI mark. The pump shall be directly coupled to a continuous rated two pole suitable wet type vertical squirrel cage induction motor as per IS 9283 /1995 as amended there after, suitable for operation in AC three phase 415 V+/-10%, 50HZ +/- 5 %				
	1.00	NOS	Duty 125lpm x 225m				
	2.00	NOS	Duty 50lpm x 75m	Numbers			



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			<b>Electrical</b>				
			<b>Point Wiring</b>				
50.00			Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
50.01	37	Point	Group A	Point			
50.02	96.2	Point	Group C	Point			
51.00			Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
51.01	15	Point	Group C	Point			
52.00	5	Point	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
53.00	4	Point	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed <b>medium class PVC conduit</b> , 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm, FRLS PVC insulated copper conductor single core cable etc as required.	Point			
			<b>Primary Wiring</b>				
54.00			Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed <b>medium class PVC conduit</b> as required.				
54.01	615	Mts	(i) 2x1.5 Sq mm + 1x2.5 Sq mm earth wire	1RM (One Running Metre)			
54.02	374.85	Mts	(i) 2x2.5 Sq mm + 1x2.5 Sq mm earth wire	1RM (One Running Metre)			
			<b>Mains Wiring</b>				
55.00			wiring for ckt/submain wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.				
55.01	150	Mts.	(i) 4x10 Sq mm + 2x10 Sq mm earth wire	1RM (One Running Metre)			
55.02	50	Mts.	(i) 4x4 Sq mm + 2x4 Sq mm earth wire	1RM (One Running Metre)			
			<b>Power Wiring</b>				
56.00			Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
56.01	415	Mts.	(i) 2x4 Sq mm + 1x4Sq mm earth wire	IRM (One Running Metre)			
			<b>Switches and Sockets</b>				
57.00	20	Each	Supply and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 1 no. 6 pin 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, etc. as required.	Each			
58.00	43	Each	Supply and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection, etc. as required. (For light plugs to be used in non residential buildings).	Each			
59.00			Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
59.01	21	Each	5/6 amps switch	Each			
59.02	21	Each	3 pin 5/6 amp socket outlet	Each			
59.03	4	Each	TV Socket outlet	Each			
60.00			Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
60.01	16		1 or 2 Module (75mmX75mm)				
60.02	10		3 Module (100mmX75mm)				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
61.00	20	Each	Supply and fixing of 20A, 240 volts, SPN industrial type socket outlet with 2 pole and earth, metal enclosed plug top alongwith 20A "C Curve" SP MCB in sheet steel enclosure on surface or in recess with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc., as required.	Each			
62.00			Supplying and fixing of following size of PVC conduit along with accessories in recess including cutting the wall and making good the same in case of recessed conduit as required				
62.01	250	Mtr.	i) 20 mm	1RM (One Running Metre)			
62.02	250	Mtr.	ii) 25 mm	1RM (One Running Metre)			
			<b>Main &amp; Distribution board</b>				
			<b>MCB DBs and MCBs / RCCBs</b>				
63.00			Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
63.01	3	Each	4 way (4+12), Double door	Each			
64.00			Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
64.01	1	Each	2 + 12 way, Double door	Each			
65.00			Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
65.01	3	Each	8 way double door	Each			
66.00			providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required				
66.01	1	Each	100amps, 16KA	Each			
66.00			Supply and fixing of following current rating, four pole, 415 volts, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
66.01	2	Each	63 amps four pole MCB - 10 kA	Each			
66.02	6	Each	63 amps Double pole MCB - 10 kA	Each			
67.00			Supply and fixing of following current rating, four pole, 415 volts, RCBO in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
67.01	4	Each	63 amps four pole RCBO - 30 mA	Each			
68.00			Supply and fixing of following current rating, double pole, 415 volts, RCBO in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
68.01	9	Each	63 amps double pole RCBO - 30 mA	Each			
68.02	3	Each	32 amps double pole RCBO - 30 mA	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
69.00			Supply and fixing 5 amps to 32 amps rating , 240/415 volts, 'C' curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc., as required.				
69.01	116	Each	Single pole	Each			
69.02	1	Each	Double pole	Each			
70.00	10	Each	Supply and fixing of TP sheet steel enclosure on surface/recess along with 16/25/32amps 415 volts "C" curve TP MCB complete with connections, testing and commissioning etc., as required	Each			
71.00			Supplying, installing, testing and commissioning of following capacity TPN tap off box made of 1.6mm thick sheet steel enclosure duly painted with powder coating on existing rising mains complete with TPN disconnecter FSU and HRC fuses, connections, earthing etc. as required.				
71.01	1	Each	200 A TPN	Each			
			<b>FLOOR - RACEWAYS (UPS &amp; RAW POWERS)</b>				
72.00			Supplying, erecting,PVC Races ways with cover made out of 1.6 mm thick of various sizes with necessary screws,etc., The cost including the chipping the floor etc.,				
72.01	40	metre	150mm (w) x 25mm (D)- 2 compartment	1RM (One Running Metre)			
72.02	40	metre	75mm (w) x 25mm (D)- 2 compartment	1RM (One Running Metre)			
72.03	40	metre	50mm (w) x 38mm (D)- 1 compartment	1RM (One Running Metre)			
72.04	40	metre	100mm (w) x 38mm (D) -2 compartment	1RM (One Running Metre)			



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
73.00			Supplying, erecting,of <b>Junction boxes</b> for race ways Sizes as follows				
73.01	30	Each	150x150 with S.S cover plate	Each			
73.02	20	Each	225x225 with S.S cover plate	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			<b>LT Panels</b>				
			Design, fabrication, supply, erection, testing and commissioning of following Cubicle type, fully compartmentalized LT Switchboards dust tight and vermin proof, fabricated frame construction of 2/1.6 mm mm thick folded CRCA sheet, 4 No's eye bolts for each shipping sections, chemically treated and power coated with RAL7035. All screwed and flat parts shall have automatic potential equalization and prepared for attachment of earth straps. The Switchboards should have a Set of suitably rated TPN Aluminium busbars with the specified current and fault level, Insulated with heat shrinkable, color coded PVC Sleeves and supported using DMC/ SMC Pillar or Finger type busbar supports (CPRI type tested/Certified). The design should be as per the standards of the CEIG / State Electrical Inspectorate				
74.00	1	Each	<b>Power Panel</b>	Each			
			Floor Mounted Panel Board with top cable/bottom entry for incoming and outgoing non compartmental feeders. Fabricated out of 2/1.6MM thick CRCA sheet				
			1) Busbar:				
			250 AMPS, TPN Aluminium Busbar				
			Earth bus - 25 x 5mm Aluminium				
			2) Incomer : 1No				
			250AMPS, TPN, MCCB with thermal magnetic release & Isolation duty Current Limiting type -1no.				
			3) Indication & Metering:				

S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	
		1 Sets of R,Y,B phase indicating lights (LED-TYPE) controlled with control MCB's and breaker ON / OFF / TRIP indications. 1 Sets of 3 phase, 4 wire,250/5A, Digital flush type Class-I accuracy multifunction meter with RS485 modbus connectivity. 1 Nos. 250/5A, Class-I, 5VA burden moulded CT's.				
		4) Outgoings : 3 nos				
		125AMPS, TPN Miniature Circuit Breaker,Red,Yellow, Blue LED Indication Lamps along with 6A mcbs –3Nos				
75.00	1	Each <b>UPS Panel</b>	Each			
		Floor Mounted Panel Board with top cable/bottom entry for incoming and outgoing non compartmental feeders. Fabricated out of 2/1.6MM thick CRCA sheet				
		1) Busbar:				
		125AMPS, TPN Aluminium Busbar				
		Earth bus - 25 x 5mm Aluminium				
		2) Incomer : 1No				
		125AMPS, TPN, MCCB with thermal magnetic release & Isolation duty Current Limiting type -1no.				
		3) Indication & Metering:				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			1 Sets of R,Y,B phase indicating lights (LED-TYPE) controlled with control MCB's and breaker ON / OFF / TRIP indications. 1 Sets of 3 phase, 4 wire,125/5A, Digital flush type Class-I accuracy multifunction meter with RS485 modbus connectivity. 1 Nos. 125/5A, Class-I, 5VA burden moulded CT's.				
			4) Outgoings : 6nos				
			63AMPS, TPN MCCB with Thermal O/L and Magnetic S/C Protection,Red, Yellow, Blue LED Indication Lamps along with 2A mcbs –6Nos				
76.00	1	Each	<b>Common PANEL</b>	Each			
			Floor Mounted Panel Board with top cable/bottom entry for incoming and outgoing non compartmental feeders. Fabricated out of 2/1.6MM thick CRCA sheet				
			1) Busbar:				
			125AMPS, TPN Aluminium Busbar				
			Earth bus - 25 x 5mm Aluminium				
			2) Incomer : 1No				
			125AMPS, TPN, MCCB with thermal magnetic release & Isolation duty Current Limiting type -1no.				
			3) Indication & Metering:				



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
	1	Each	Supply delivery erection ,testing and commisioning of <b>62.5 KVA</b> capacity Deisel Generator set 3 ph, 50 Hz,415 V, consisting of deisel engine capable of delivering continuous brake horse power with standard fittings,water cooled radiators,acoustic closure to restrict the noice level as per the CPCB norms,residential silencer with exhaust pipe arrangement (insulated with glass wool inside thwe building ) upto outside of the roomabove roof level,suitable alternator (brushless),self excited,self regulated, suitable for continuous operation .Standard cntrol panel, consisting of ameter with CTs and selector switch, Voltmeter with selector switch, MCCB, energmeter,earth fault relay,indicating lamps,fuses and required 1.1 KV grade PVC armoured aluminium cable from alternaor to alternator control panel, 12/24 Vbattery, batteryleads, battery chrger ..etc. Coupling with gaurd ,fuel tank (8Hrs. capacity) common rigid MS channel baseframe, antivibration mounting pad etc ..complete with synchornised panel including all accessories items	Each			
78.00	2	Each	<b>LIFT DB</b>	Each			
			Supply and fixing of Lift Distribution Board with following Incoming and Ongoing MCB for Lift Power and Lift well Lighting.				
			A) Incomer : 1No				
			63AMPS, TPN, MCB -1no.				
			D) Outgoings :6 Nos.				
			63 Amps,30mA, TPN RCBO- 1NOS.				
			32 Amps, DP MCB- 1NOS.				
			6Amps, SP MCB- 2 NOS.				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			<b>Cable tray</b>				
79.00			Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.				
79.01	20	Mtr.	150 mm width X 50 mm depth X 1.6 mm thickness	1RM (One Running Metre)			
79.02	20	Mtr.	300 mm width X 50 mm depth X 1.6 mm thickness	1RM (One Running Metre)			
79.03	10	Mtr.	600 mm width X 50 mm depth X 2.0 mm thickness	1RM (One Running Metre)			
80.00			Wall mounting type dust tight and verminproof, fabricated out of 16 SWG CRCA sheet, treated and painted with 2 coats of primer and two coats of paint and shall include the following with TPN isolator & illuminated LED type ON Off push buttons, Contactors, Overload Relays, Power terminals, Control Terminals Power and Control Wiring etc. with the following				
80.01	2	NOS	7.5HP DOL Starter with contactor	Numbers			
			<b>Fittings &amp; Accessories</b>				
			<b>Light Fitting / Fans</b>				
			Note: Catalogue numbers indicated are only to describe type of light fixture required. Lamp Colour shall be - 84 or as approved by Architect / Consultant.				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			Whether explicitly mentioned or not vendor shall consider light fixtures with necessary powerfactor improvement condensers. Unless specified all light fixtures shall be considered with electromagnetic ballasts. The loss of ballasts shall not exceed 5.5 Watts Vendor shall consider necessary fixing hardware and components to install light fixtures. The hardware viz., anchor fasteners, suspending GI chains, down rods will not be measured seperately. Vendor shall assume a minimum suspension length of 0.5 Mtrs				
			Light Fixtures. Quoted rate shall include mounting bracket and lamps (Note: The rates are inclusive of all leads, lifts of all materials and labour charges as per the detailed technical specifications and standard specifications, drawings, etc., complete and as per directions of Architects/Engineer-in-Charge.)				
81.00	38	Each	Supply and fixing of 4' 20W LED Fitting with LED (Philips/Havells) Tubelight with double side connection on wall or ceiling with PVC unsheather copper leads from terminals to the filling.	Each			
82.00	46	Each	Supply and fixing of LED 4000K 2 x 2 Square Type Recessed Fitting (Philips/Havells) complete with T.W round blocks on wall or ceiling with flu tube with PVC unsheather copper leads from terminals to the filling	Each			
83.00	16	Each	Supply and fixing of 18W LED 3000K Round type resessed fiiiting (Philips/Havells) complete with T.W round blocks on wall or ceiling with flu tube with PVC unsheather copper leads from terminals to the filling	Each			
84.00	6	Each	Supply and fixing of fancy glass shade and 11W CFL for BH point	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
85.00	27	Each	Supply and fixing of WT bulk head fitting with guard (Philips / Bajaj / Crompton / K. Lite) suitable for 11W CFL lamp with CFL	Each			
86.00	8	Each	Supply and fixing of 48W LED Outdoor street light fitting (Philips/Havells) complete with T.W round blocks on wall or ceiling with flu tube with PVC unsheather copper leads from terminals to the fitting	Each			
87.00	10	Each	Supply and fixing of 300mm dia wall mounted fan as per standard specification and as directed by Engineer - in - charge.	Each			
88.00	35	Each	Supplying, installation, testing and commissioning of following size special design energy saving ceiling fans along with fan hook similar to Havell's ES-50/cromptons or equivalent with low power consumption as specified below aluminium motor covers of larger diameters complete with double ball bearings, aluminium blades, down rod, shackle insulator, canopy but without regulator etc complete as required - 1200mm sweep ceiling fan	Each			
89.00	35	Each	Supply and fixing of Stepped type electronic type fan regulator on the existing modular plate switch box including connection but excluding plate tc. As required	Each			
90.00	35	Each	Supply and fixing 3 pin 5 amps ceiling rose on the existing junction box/wooden block including connection etc., as required	Each			
91.00	20	Each	Supply and Fixing of Batten/Angle Holder including Connection etc as required	Each			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			<b>UPS</b>				
92.00	2	Each	Supplying and fixing of 20 KVA, 415 volts, 50Hz on line UPS (30 minutes backup). UPS suitable for light, and other electrical equipment.	Each			
93.00	8	Each	Supplying and fixing of 1 x 7 watts CFL <b>emergency light</b> philips or equivalent (above the rate including battery, backup for 4Hrs)	Each			
			<b>Earthing</b>				
			Supply and laying of following types of earthing conductor and inter connecting the equipments, DBs, Switch boards including earth pit.				
94.00	10.00	Set	Earthing with G.I.earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and wearing pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	Set			
95.00	2.00	Set	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and wearing pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	Set			
96.00	150	Mts.	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.(Panel to Panel looping and Panel to Earth pit)	1RM (One Running Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
97.00	100	Mts.	Supplying and laying of 4.00mm dia copper wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	1RM (One Running Metre)			
98.00	150	Mts.	Providing and fixing 6 SWG dia GI Wire on surface or in recessed for loop earthing along with existing surface/recessed conduit/sub main wiring/cable as required	1RM (One Running Metre)			
99.00	75	Mts.	Providing and fixing earth bus of 50mmx5mm copper strip on surface for connection etc.as required	1RM (One Running Metre)			
100.00	4	Each	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 Nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	Each			
101.00	110	Mts.	Providing and fixing 25mm X 3 mm thick Copper strips on parapet or on surface of wall for lightning conductor complete as required.	1RM (One Running Metre)			

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
102.00	1	Each	<p>Supply of Early Streamer Emission Air Terminal (ESEAT). Model: L The ESEAT has corrosion resistant stainless chrome body made up of AISI 316 grade of height 0.50 metres capable of working in hazardous atmosphere. The Air terminal is non-radioactive and requires no special licensing. The unit is fully autonomous (no battery, no external power supply is required), collects energy from the ambient electric field. The ESEAT model has been tested in a high voltage laboratory in accordance with NFC 17 102 in order to measure the average gain in triggering. The average gain in triggering time (<math>\Delta T_s</math>) obtained during the lab test for the offered model is 60 <math>\mu s</math>. The ESEAT works on negative as well as positively polarized discharges. ESEAT has been tested for such discharges in Central Power Research Institute (CPRI). A dedicated tester is available to test the healthiness of the ESEAT on request (Page No. 37, Point No. 3 of Clause .6 of the Revised NFC 17-102 version 2011 ). ESEAT Model : L - Radius of protection : 46 Metres Level of protection considered for the Project-II level</p>	Each			
			<b>LT cables</b>				
			<b>MV Cables and Terminations</b>				
103.00			<p>Supply the following size of approved make, 650 / 1100 V grade XLPE insulated with PVC inner sheath steel armoring and with an outer protective sheath of flame retardant low smoke (FRLS ZH PVC) compound, conforming to IS: 7098 (PartI) cables shall have high conductivity stranded aluminium or copper conductors and cores colour coded to the Indian standards.</p>				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
103.01	110	Mtr.	3.5 Core 150 Sq.mm XLPE FRLS A2XFY, 1.1 KV grade Al.cable	1RM (One Running Metre)			
103.02	40	Mtr.	3.5 Core 70 Sq.mm XLPE FRLS A2XFY, 1.1 KV grade Aluminium cable	1RM (One Running Metre)			
103.03	10	Mtr.	3.5 Core 50 Sq.mm XLPE FRLS A2XFY, 1.1 KV grade Aluminium cable	1RM (One Running Metre)			
103.04	50	Mtr.	3.5 Core 25 Sq.mm XLPE FRLS A2XFY, 1.1 KV grade Aluminium cable	1RM (One Running Metre)			
103.05	180	Mtr.	4 Core 16 Sq.mm XLPE FRLS A2XFY, 1.1 KV grade Aluminium cable	1RM (One Running Metre)			
103.06	50	Mtr.	4 Core 10 Sq.mm XLPE FRLS A2XFY, 1.1 KV grade Aluminium cable	1RM (One Running Metre)			
103.07	30	Mtr.	3 Core 2.5 Sq.mm XLPE FRLS 2XWY , 1.1 KV grade CU. Cable	1RM (One Running Metre)			
			<b>MV Cable Laying</b>				
104.00			Laying of one number PVC insulated and PVC sheathed /XLPE power cable of 1.1KV grade of following size direct in ground including excavation,sand cushioning,protective covering and refilling the trench etc as required.				
104.01	110	Mtr.	Above 95sq.mm and upto 185sq.mm	1RM (One Running Metre)			
105.00			Laying and fixing of one number PVC insulated and PVC sheathed /XLPE power cable of 1.1KV grade of following size on cable tray as required				
105.01	310	Mtr.	Upto 35 sq.mm	1RM (One Running Metre)			





S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
			<b>LAN &amp; Networking systems</b>				
			<b>Data &amp; Telephone Wiring</b>				
107.00			Supplying and fixing following modular Switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
107.01	4	Each	Telephone Socket Outlet	Each			
108.00	500	Mtrs	Supplying and laying of UTP 4 pair CAT6 LAN Cable in the existing surface/recessed steel/PVC conduit as required	1RM (One Running Metre)			
109.00			Supply and wiring with 2 pair 0.5 sq.mm telephone cable. As per the manufacturer specification and as per the direction of engineer incharge.				
109.01	350	Mtrs	2 Pair	1RM (One Running Metre)			
110.00			Supply and wiring telephone cable in the existing conduit. As per the manufacturer specification and as per the direction of engineer incharge. e. (1.18x10)				
110.01	40	Mtrs	20 Pair	1RM (One Running Metre)			
111.00	20	Nos	Supply and providing RJ 45 data terminal unit with metal box & cover plate etc., as required . As per the manufacturer specification and as per the direction of engineer incharge.	Numbers			
112.00			Providing and fixing in position 2mm thick M.S. Telephone junction box of size suitable for fixing of following Krone Tag Block with key lock arrangement. Also provide Tag blocks & clamps for fixing tag blocks.				



S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
112.01	1	Each	a) 10 pair Telephone Tag Block Box	Each			
112.02	1	Nos.	Supply of all materials and fixing of 2 trunk with 15 analog extension EPABX system including wiring	Numbers			
112.03	60	Nos.	Supply & Erection of CAT-6 Patch Cord 3FT	Numbers			
113.00	1	Nos.	19" Open Networking Racks: Supply , Installation of 19" 12U open rack with 600Width made of aluminium with following accessories,Ladder kit with cable loop,pvc cable manager double sided for basic rack	Numbers			
113.01	1	Nos.	CAT-6 24-Port Patch Panel CISCO Make	Numbers			
113.02	1	Nos.	10/100MBPS 24- Port Managed Switch CISCO Make	Numbers			
114.00	1	Each	Projection System with DLP Technology, with native resolution of 1024 x 768 pixels, XGA 3000 ANSI lumens, contrast ratio 2200:1, Fully featured IR remote with accessories, complete as per specification and as required.complete with 120" diagonal size folding screen and all accessories complete as required.	Each			
			<b>SPEAKER SYSTEM WIRING</b>				
115.00	20	NOS	Supply & Installation of Wall mount 15W Column Speaker for PA system	Numbers			
116.00	2	NOS	Supply & Installation of Audio booster Amplifier 300 Watts RMS, complete with Speaker wires and RGB connectors for Integrated Music & PA system	Numbers			
117.00	400	MTRS	Supply & Laying of Wiring of Speaker system using 2 core twisted 48/0.2 Multistrand armored speaker cable	1RM (One Running Metre)			
118.00	1	NOS	Supply and Installation of CD/MP3 Player				
119.00	1	NOS	Supply & Installation of Desktop microphone with press to talk switch				

S.NO			Description of work	Unit in figure and words	Rate quoted in		Amount
					Figure	Words	
120.00	1	MTRS	Wiring of Microphone system using microphone cables	1RM (One Running Metre)			
			<b>CCTV SYSTEM</b>				
121.00	20	NOS	Supply, Installation, Testing and Commissioning of IP PTZ camera of 1/4" Ex-view HAD CCD,1/3~1/10,000 Sec Electronic Shutter, 0. 1°~300°/Sec Pan Speed, 0. 1°~120°/Sec Tilt Speed, 128 Maximum Preset Position, Manual/Auto/Indoor/Outdoor/ATW White Balance, 26x Optical Zoom, H.264 4CIF+CIF+QCIF @ 25fps	Numbers			
122.00	400	MTRS	Supply and Laying of CAT6 Unshielded Twisted Pair (UTP) lan cable with all necessary accessories for the connection of cameras should be laid with clearances as required	1RM (One Running Metre)			
123.00	1	NOS	Supply , Installation and Testing of 16 Channel NVR having H.264 / MPEG-4 dual codec decoding , 16 channels at D1, real-time live preview and recording All channels should support simultaneous real-time playback ,Support 8 SATA HDDs up to 1TB, 1 eSATA up to 2TB, 4 USB2.0 ( 30 days recoding backup should be available in motion detection)	Numbers			
124.00	2	NOS	Supply, Installation, Testing and Commissioning of 16-Port PoE 10/100Mbps with 4-Port 10/100/1000Mbps Copper ( 2 Combo SFP Smart Switch)	Numbers			
125.00	1	NOS	Supply , Installation of wall mounted 19" 15U Rack with glass door and required accessories for switches.	Numbers			
126.00	2	NOS	Supply , Installation and Testing of 32 Inch LED Monitor with server & switch unit.	Numbers			



S.NO		Description of work	Unit in figure and words	Rate quoted in		Amount
				Figure	Words	