

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
1.1	E-0001. a	<p><b>Earth work excavation for foundation</b> in all soils and sub-soils to the required depth as may be directed except in hard rock requiring blasting but inclusive of shoring, strutting, and bailing out water wherever necessary and refilling the sides of foundation with excavated earth in 150mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified here under etc. complete in all respects complying with relevant standard specifications. (Including Refilling)</p> <p>a) 0 to 2m depth.</p>	17,23 & 24		1 m <sup>3</sup> (One Cubic Metre)	
1.5	E0005.a	<p><b>Earth work excavation for Open Foundation</b> in all soils and sub-soils to the required depth as may be directed except in hard rock requiring blasting, inclusive of shoring, strutting and bailing out water wherever necessary (Excluding refilling the sides of foundation) and depositing the earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified hereunder etc., complete in all respects complying with relevant Standard specifications. (Excluding Refilling)</p> <p>a) 0 to 2m depth</p>	17 & 20		1 m <sup>3</sup> (One Cubic Metre)	
1.6	E0006.a	<p><b>Earth work excavation for Open Foundation for drains</b> in all soils and subsoils to the required depth as may be directed except in harweqd rock requiring blasting, inclusive of shoring, strutting and bailing out water wherever necessary. (Excluding refilling the sides of foundation) and depositing the earth in places shown clearing and leveling the site with an initial lead of 10 metres and lift as specified hereunder etc., complete in all respects complying with relevant standard specification (Excluding Refilling) (Drain having bed width upto 1.25 metre).</p> <p>a) 0 to 2m depth.</p>	17 & 20		1 m <sup>3</sup> (One Cubic Metre)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
2.6	F0006	Supplying and filling with 40mm size Hard broken stone jelly in foundation and basement and other similar works including cost of materials, labour charges, etc., all complete and as directed by the departmental officers.			1 m <sup>3</sup> (One Cubic Metre)	
2.7	F0007	Supplying and filling with 20mm size Hard broken stone jelly in foundation and basement and other similar works including cost of materials, Labour charges etc., all complete and as directed by the departmental officers			1 m <sup>3</sup> (One Cubic Metre)	
13.1	F0026	Filling in foundation and basement and other similar works with Excavated earth in layers of 150mm thick well watered rammed and consolidated complying with relevant standard specification etc., all complete and as directed by the departmental officers.	25		1 m <sup>3</sup> (One Cubic Metre)	
21.2		Supplying and fixing of Teak Wood wrought and put up for frames of doors, windows, ventilators, cupboard and any other similar joinery works with necessary plugs, rebates for shutters, plaster grooves on all faces etc. , including labour charges for fixing hold fasts. complying with relevant standard specifications etc.. in all respects.	72 & 74			
	J0001.a	a) Teak wood over 2.00 metre and below 3.00 metre length			1 m <sup>3</sup> (One Cubic Metre)	
	J0001.b	b) Teak wood below 2.00 metre length			1 m <sup>3</sup> (One Cubic Metre)	
23.3	J0021	Supplying and fixing of best approved superior variety magnetic door catches suitable for doors including cost of door catches, Aluminium / Stainless steel screws fixing in position etc., complete and as directed by the departmental officers. (The quality and brand shall be got approved from the Executive Engineer before use)			1 No (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
25	J0029	Supplying and fixing of mild steel hold fasts horizontally twisted of size 230x40x4mm with pair of suitable iron screws etc., all complete and as directed by the departmental officers.	86		1 No (Each)	
30	FL0024	Finishing the top of flooring with cement concrete 1:3 (One of cement and three of blue granite chips of size 10mm, and below) 20 mm thick Ellis Pattern Flooring (No Sand) and surface rendered smooth including 50mm wide skirting, providing proper slopes, thread lining, curing etc., complete in all floors complying with relevant standard specifications.	39-G		1 m <sup>2</sup> (One Square Metre)	
31	FL0025	Weathering Course with concrete broken brick jelly 20mm gauge in pure burnt lime stone slaked and screened (No Sand) over RCC Roof Slab with proportion of brick jelly to lime (fat lime) being 32: 12 1/2 by volume well beaten with wooden beaters for giving the required slope and thickness complying with relevant standard specification and as directed by the departmental officers.	30 & 41		1 m <sup>3</sup> (One Cubic Metre)	
37.1	PA0001	White washing three coats using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding etc., complete in all respects.	63		1 m <sup>2</sup> (One Square Metre)	
39	GIR0001	Supplying and fixing Mild Steel grills as per the design approved to verandah enclosure or gate including one coat of primer and labour for fixing in position etc. all complete.			1 Kg (One Kilogram)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
41	PA0026	Painting the new iron work and other similar works such as PVC / ASTM Pipes, Kerb Stone and grills with two coats of approved first class synthetic enamel ready mixed paint of approved quality and brand, the paint should be supplied by the contractor at his own cost, (The quality and the brand of paint should be got approved by the Executive Engineer before use) complying with relevant standard specifications.	66 & 66A		1 m <sup>2</sup> (One Square Metre)	
46	MS0002	Supplying and fixing of 20mm dia aluminium hanger rods to the required length with aluminium end brackets including cost of screws, TW plugs and labour charges for fixing in position etc. complete in all respects and as directed by the departmental officers.			1 RMT (One Running Metre)	
47	MS0003	Supplying and fixing of aluminium towel rails of 75cm long, including cost of screws, TW plugs and labour charges for fixing in position etc. complete in all respects and as directed by the departmental officers.			1 No. (Each)	
48	MS0006	Supplying and fixing of aluminium plate with five pins for coat stand including cost of plugs, nails, screws, and labour for fixing in position etc, all complete and as directed by the departmental officers.			1 No. (Each)	
49	MS0007	Providing and fixing iron chromium plated 8 gauge Picture hooks including fixing in position etc., all complete in all respects and as directed by the departmental officers.			1 No. (Each)	
50.3	L0001	Supplying and planting of avenue trees including earth work excavation for pit of size 60x60x60cm filled with manure for 20cm depth and filling with river sand and red earth mix in the ratio of 1:1 for 40cm depth in the same pit and planting the avenue trees of approved varieties to a height of 200cm from the ground level and maintaining them for the period of 6 month including watering, periodical manuring and replacing the avenue trees if dead etc., all complete and as directed by the departmental officers. (Tree sapling shall be got approved from EE before planting).			1 No. (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
50.4	L 0004	Supplying and fixing of <b>triangular shape chicken mesh Tree guard</b> using 8cm dia casurina vertical post and middle tie using country wood reeper of size 50x25mm and 25 gauge chicken mesh including labour charges for fixing the triangular tree guard and as directed by the departmental officers.			1 No. (Each)	
51	WS 0004	Supplying and erection of <b>Rotational moulded polyethylene water storage tanks (HDPE cylindrical vertical type) for outdoor use having capacity of 700 litres</b> (excluding free board) of approved brand (superior variety) with ISI mark (marked in the tank itself) with top lid with provisions of locking including necessary specials and fittings for storing potable water and manufactured with material which do not import any taste /odour/ any toxic effect and not to contaminate etc., with carbon block content and dispersion in accordance with relevant I.S. specification and as directed by the departmental officers etc., complete. (The tank should be got approved from the Executive Engineer before use)			1 No. (Each)	
52	WS 0006. a WS 0006. b	Supplying, laying, fixing and jointing the following <b>PVC pipes</b> as per ASTM D -1785 of schedule 40 of wall thickness not less than the specified in IS 4985 suitable for plumbing by threading of wall thickness including the cost of suitable PVC/GI specials /GM specials like Elbow, Tee reducers, Plug, union, bend, coupler, nipple/ GM gate valve, check and wheel valve etc., wherever required above the ground level including the cost of Teflon tape, special clamps, nails, etc., fixing on wall to the proper gradient and alignment and redoing the chipped of masonry etc., as directed by the departmental officers.  a) 32mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials  b) 25mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials			1 RMT (One Running Metre)  1 RMT (One Running Metre)	



Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
69		<b>Electrical Arrangements:</b> Supplying and fixing of <b>15 amps 3 pin Power plug</b> type socket on a suitable MS box 16g thick concealed and covered with 3 mm thick laminated hylem sheet inclusive of all connections and cost of all materials.			1 No. (Each)	
72	EL-0074	Supplying and fixing of best approved superior variety concealed type <b>Fibre box with M.S. Fan Hook</b> of 100mm dia, 75mm depth and 3mm thick including cost and fixing in position etc., complete and as directed by the departmental officers. (The quality should be got approved by the Executive Engineer before use).			1 No. (Each)	
74	EL-0075	Charges for assembling and <b>fixing of ceiling fan</b> of different sweep with necessary connections and fixing of fan regulator on the existing board etc., all complete (Excluding cost of fan)			1 No. (Each)	
76	EL-0174	Supplying and fixing of <b>8 SWG GI wire</b> on wall / below ground levels with necessary 'U' Nails, earth work excavation and refilling etc., including cost of all materials etc., all complete.			1 RMT (One Running Metre)	
77.3	EL-0177	Supplying, fixing and concealing TW box of size 8"x6"x4" covered with 3mm thick hylem sheet including Cost of <b>TV line socket / Telephone line Socket</b> etc., all complete and as directed by the departmental officers.			1 No. (Each)	
77.4	EL-0179	Supplying, laying and concealing of PVC pipe of <b>20mm dia</b> with necessary specials and other materials including Run off 1 No. Fish wire (G.I. 22g) for drawing <b>cable for T.V. / Telephone</b> etc., all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	

Item. No	Probable Quantity	Description of Work	TNEP No	Rate in Figures And words	Unit in Figures and words	Amount
78	EL0214	Providing <b>Earthing station (Type I)</b> using pipe electrode as per IS 3043 using 2.5m of 40mm and 1.0 m of 20mm B-class GI pipe including earth work excavation, brick work in cement mortar and plastering and cost of funnel, GI nuts, bolts, washers, check nuts, GI bend, reducer and coupling, C.I. cover of 30x30cm and including charcoal of 40 kgs and salt 10 kg etc., all complete.			1 No. (Each)	
86	RE 0006	Providing <b>pre-constructional Antitermite treatment</b> including cost of chemicals labour as per standard specifications for preparing the area for treatment by spraying chemicals and other incidental charges etc., complete. The rate should be for curing antitermite treatment from the plinth beam and brick masonry with super structure in contact with the back fill earth and at the junction of the walls. The top surface of filled earth for flooring and the soil along with the perimeter of the building by making holes with the crow bar and poured 5% termiticide 'Chloripyrifos' and spraying the same termiticide solution on the wooden frames and treating the other periphery of buildings etc., complete in all respects as per IS 6313 (part II) /1981 and as directed by the departmental officers.			1 m <sup>2</sup> (One Square Metre)	



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		<b><u>ANNEXURE TO SCHEDULE - A</u></b>				
2.1.1	F0013	Supplying and filling in foundation and basement with gravel in layers of 150 mm thickness well watered, rammed and consolidated complying with relevant standard specifications including cost of supplying gravel and as directed by the departmental officers.			1 m <sup>3</sup> (One Cubic Metre)	
2.1.3	F0040	Supplying and filling in foundation and basement with filling crushed stone sand in layers of 150 mm thickness well watered, rammed and consolidated complying with relevant Standard specification including cost of supplying filling crushed stone sand.			1 m <sup>3</sup> (One Cubic Metre)	
3.1.1	C0024	Plain cement concrete 1:5:10 (One of cement, five of crushed stone sand and ten of hard broken stone Jelly) for foundation and basement using 40mm gauge hard broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by the Departmental officers.			1 m <sup>3</sup> (One Cubic Metre)	
3.2.1	C0029	Plain cement concrete 1:2:4 (One of cement two of crushed stone sand and four of hard broken stone jelly) using 20mm gauge hard broken stone jelly excluding shuttering and centering but including laying, curing and finishing with relevant standard specifications in foundation and basement, and other similar works & as directed by the departmental officers.			1 m <sup>3</sup> (One Cubic Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
3.3.1	C 0030	<b>Plain cement concrete 1:8:16</b> (One of cement, eight of <b>crushed stone sand</b> and sixteen of broken brick jelly) <b>for foundation</b> and other similar works using 20mm gauge broken Brick Jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by the Departmental officers.			1 m <sup>3</sup> (One Cubic Metre)	
4.4.1		Providing and laying in position, <b>Standardised Concrete Mix M-20 Grade</b> in accordance with IS: 456 - 2000 Using 20 mm and downgraded hard broken stone jelly for all RCC works namely column, column footings, Plinth beam, Grade beam, Raft beam, Raft slab etc., with minimum Cement Content of 325 kg/m <sup>3</sup> and maximum water Cement ratio of 0.55, including admixture (Plasticiser / Super Plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of Concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730 Kg. of 20 mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 Kg. of 10 -12 mm machine crushed stone jelly and with about (4.79 Cu.m) 7670 Kg. of <b>Crushed stone sand</b> for making 10m <sup>3</sup> concrete but excluding Cost of reinforcement grill and fabricating charges, Centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials) <b>a. In Foundation and basement</b>				
6.6.1	B 0011	<b>Brick work in CM 1:5</b> (One of cement and five of <b>crushed stone sand</b> ) with Admixture using <b>Kiln burnt country bricks</b> of size 8¾"x4¼"x2¾" (22x11x7cm) in <b>foundation and basement</b> including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifications.			1 m <sup>3</sup> (One Cubic Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
8.4.1		<p>Providing and laying in position, <b>Standardised Concrete Mix M-20 Grade</b> in accordance with IS: 456 - 2000 Using 20 mm and downgraded hard broken stone jelly for all RCC items of works namely TEE, ELL or rectangular beams, lintels, parapet cum drops, waist and landing slab, canophy, circular column, fin projections, sunshades, window boxing slab, slab and other similar works with minimum Cement Content of 325 kg/m<sup>3</sup> and maximum water Cement ratio of 0.55, including admixture (Plasticiser/Super Plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of Concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730 Kg. of 20 mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 Kg. of 10 -12 mm machine crushed stone jelly and with about (4.79 Cu.m) 7670 Kg. of <b>Crushed stone sand</b> for making 10m<sup>3</sup> concrete but excluding Cost of reinforcement grill and fabricating charges, Centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials).</p> <p><b>a. In Stilt / Ground Floor</b></p> <p><b>b. In First Floor</b></p> <p><b>c. In Second Floor</b></p> <p><b>d. In Third Floor</b></p>			<p>1 m<sup>3</sup> (One Cubic Metre)</p> <p>1 m<sup>3</sup> (One Cubic Metre)</p> <p>1 m<sup>3</sup> (One Cubic Metre)</p> <p>1 m<sup>3</sup> (One Cubic Metre)</p>	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
9.6.1	B 0024	<b>Brick work in Cement Mortar 1:6</b> (One of cement and six of <b>crushed stone sand</b> ) with Admixture using <b>Kiln burnt country bricks</b> of size 8 $\frac{3}{4}$ "x4 $\frac{1}{4}$ "x2 $\frac{3}{4}$ " ( <b>22x11x7cm</b> ) for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying with relevant standard specifications and drawings.				
	B0024 a	a. In Ground Floor			1 m <sup>3</sup> (One Cubic Metre)	
	B0024 b	b. In First Floor			1 m <sup>3</sup> (One Cubic Metre)	
	B0024 c	c. In Second Floor			1 m <sup>3</sup> (One Cubic Metre)	
	B0024 d	d. In Third Floor			1 m <sup>3</sup> (One Cubic Metre)	
10.6.1	B 0030	<b>Brick partition wall in Cement Mortar 1:4</b> (One of cement and four of <b>crushed stone sand</b> ) with Admixture <b>110mm</b> thick for super structure in the following floors using <b>kiln burnt country bricks</b> of size 8 $\frac{3}{4}$ "x4 $\frac{1}{4}$ "x2 $\frac{3}{4}$ " ( <b>22x11x7cm</b> ) including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying with relevant standard specifications and drawings.				
	B0030 a	a. In Foundation and Basement			1 m <sup>2</sup> (One Square Metre)	
	B0030 b	b. In Ground Floor			1 m <sup>2</sup> (One Square Metre)	
	B0030 c	c. In First Floor			1 m <sup>2</sup> (One Square Metre)	
	B0030 d	d. In Second Floor			1 m <sup>2</sup> (One Square Metre)	
	B0030 e	e. In Third Floor			1 m <sup>2</sup> (One Square Metre)	

Item No	Probable Quantity	Description of Work	TNBF No	Rate in Figures And words	Unit in Figures and words	Amount
11.6.1	B0049	Brick partition walls 70mm thick using kiln burnt country bricks of size 8¾"x4¼"x2¾" (22x11x7cm) in cement mortar 1:4 (One of cement and four of crushed stone sand) with Admixture for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying with relevant standard specifications and drawings				
	B0049a	a. In Ground Floor			1 m <sup>2</sup> (One Square Metre)	
	B0049b	b. In First Floor			1 m <sup>2</sup> (One Square Metre)	
	B0049c	c. In Second Floor			1 m <sup>2</sup> (One Square Metre)	
14.2.2	CS0037	Supplying and fixing of precast cement concrete slab for cupboard/ward robes shelves, cover slab for chambers, baffle walls side slabs of boxing around windows and other similar works in <b>standardised concrete mix M-20 grade</b> in accordance with IS: 456 - 2000 using <b>crushed stone sand</b> and 3 to 10mm thick hard broken stone jelly for the above RCC items of works excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position complying with relevant standard specifications etc., complete in the following floors (Measurement will be taken including bearing in wall also).				
	CS0037-I	20mm Thick				
	C S0037	a. In Stilt / Ground Floor			1 m <sup>2</sup> (One Square Metre)	
	b	b. In First Floor			1 m <sup>2</sup> (One Square Metre)	
	C S0037 b	c. In Second Floor			1 m <sup>2</sup> (One Square Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
14.2.3		Supplying and fixing of precast cement concrete slab for cupboard/ward robes shelves, cover slab for chambers, baffle walls side slabs of boxing around windows and other similar works in <b>standardised concrete mix M-20 grade</b> in accordance with IS: 456 - 2000 using <b>crushed stone sand</b> and 3 to 10mm thick hard broken stone jelly for the above RCC items of works excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position complying with relevant standard specifications etc., complete in the following floors (Measurement will be taken including bearing in wall also).				
	CS0038	<b>40mm Thick</b>				
	CS0038I	<b>a. In Foundation and basement</b>			1 m <sup>2</sup> (One Square Metre)	
	CS0038a	<b>b. In Stilt / Ground Floor</b>			1 m <sup>2</sup> (One Square Metre)	
	CS0038b	<b>c. In First Floor</b>			1 m <sup>2</sup> (One Square Metre)	
18.1		Providing <b>Form work</b> and centering for reinforced cement concrete works including supports and strutting up to 3.30m height for plane surfaces as detailed below with all cross bracings using mild steel sheets of size 90cmx60cm and MS 10 gauge stiffened with welded mild steel angles of size 25mmx25mmx3mm for boarding laid over silver oak or country wood joists of size 10cmx6.5cm spaced at about 90cm centre to centre and supported by casurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the R.C.C works etc., complete complying with standard specifications and as directed by the departmental officers.				
	FW0004	<b>a) For Column footings, plinth beam, Grade beam, Raft beam, Raft slab etc.,</b>			1 m <sup>2</sup> (One Square Metre)	
	FW0004 b	<b>b) Plain surfaces such as Roof slab, floor slab, Beams, lintels, lofts, sill slab, staircase waist, portico slab and other similar works</b>			1 m <sup>2</sup> (One Square Metre)	
	FW0004 c	<b>c) For Square and rectangular columns and small quantities such as sunshade, parapet cum drops window boxing, fin projection and other similar works.</b>			1 m <sup>2</sup> (One Square Metre)	
	FW0004 f	<b>f) For Curved surface</b>			1 m <sup>2</sup> (One Square Metre)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
21.5.2	JD 0073	<p>Providing and fixing of factory made unplasticized polyvinyl chloride (UPVC) door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid UPVC foam sheet, mitered at two corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S square tube. The two vertical and horizontal door profiles are to be reinforced with 19x19mm M.S square tube of 19 gauges with primer coat. The door frame shall be fixed to the wall using 65mm/100mm long M.S screw through the frame by using PVC fasteners. A minimum of 4 Nos. screws to be provided for each vertical member and minimum 2 Nos. for horizontal member etc., providing and fixing of 30mm thick factory made door shutter with unplasticized polyvinyl chloride (UPVC) solid panel foam sheet, structured with M.S.tube of 19 gauge thickness and size 19mm x 19mm for styles and 15mm x 15mm for top rail and bottom rail. Panelling of 5mm thick UPVC one side printed lamination single sheet to be fitted in the M.S.Frame welded / sealed to the styles and rails covered with 5mm thick heat moulded UPVC 'C' channel of 30mmx50mm and 5mm thick 75mm wide UPVC sheet for top rail, lock rail and bottom rail on either side and 10mm (5mm x 2 Nos.) thick, 20mm wide cross UPVC sheet as gap insert for top rail and bottom rail, and joined together with PVC solvent cement adhesive. An additional 5mm thick UPVC strip of 20mm width is to be stuck on the interior side of the 'C' channel using PVC solvent cement adhesive. The cost and labour charges for fixing of 3 Nos. 4" SS butt hinges and Aluminium furniture fitting such as 1 No. 4" Tower bolt, 1 No.5" Aldrop, 2 Nos. 6" flat 'D' type handle, etc are included. The fitting provided shall bear ISI marks. To ensure the genuinity of product, the door set should have 4 numbers of manufacturer's logo hologram of approved brand, each at frame, style, Rail and Inner panel. (The quality and brand of door shutter and furniture fittings should be got approved by the Executive Engineer before use)</p>			1 m <sup>2</sup> (One Square Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
21.5.3	JW0042	Supplying and fixing <b>UPVC (Un Plasticized Polyvinyl Chloride)</b> Windows of casement type (open) from the profile the size of outer frame 60mmx58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (Black colour) covered with over all the edges of frame and shutter, the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames etc., all complete as directed by the departmental officers. (The brand and quality of the Window should be got approved from the Executive Engineer., before use)			1 m <sup>2</sup> (One Square Metre)	
21.5.4	JV0022	Supplying and fixing <b>UPVC (Un Plasticized Polyvinyl Chloride)</b> Louvered ventilators of from the profile the size of outer frame 60mmx58mm and shutter profile size of 60x78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (Black colour) covered with all over the edges of frame and shutters. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames etc., all complete as directed by the departmental officers. (The brand and quality of the Ventilator should be got approved from the Executive Engineer., before use)			1 m <sup>2</sup> (One Square Metre)	



Item. No	Probable Quantity	Description of Work	TNEP No	Rate in Figures And words	Unit in Figures and words	Amount
21.5.5		Providing of 35mm thick factory made pre-laminated ABS (Acrolynitrile Butadiene Styrene) Door Shutter moulded in different designs, consisting of all round frame made out of water proof solid foam PVC bar of size 20 x 32mm, reinforced by 32 x 32mm - 2 Nos., for vertical made out of LVL (Laminated Veneer Lumber), core material of 32mm thick high density craft paper honey comb board, sandwiched on both sides with pre-laminated ABS sheet thickness of 1.5mm. PVC edge banding of size 0.45mm on the vertical sides. Hardware made out of steel coated butterfly hinges - 3 Nos., for each shutter and ISI make SS round lock complete for finished item of work, complete complying with the standard specification. The door shutter and frame should be got approved from the Executive Engineer before use on work			1 m <sup>2</sup> (One Square Metre)	
26.1	FL0108	<b>Flooring with a bed of Cement concrete 1:5:10</b> (one of cement, five of <b>crushed stone sand</b> and ten of hard broken stone jelly) using 40mm size hard broken stone jelly and top left rough to receive the floor finish with required slopes including ramming, curing etc., all complete complying with relevant standard specifications.			1 m <sup>3</sup> (One Cubic Metre)	
28.1	FL0109	<b>Plastering the top of flooring in cm 1:4</b> (One of cement and four of <b>crushed stone sand</b> ) <b>20mm thick</b> including surface rendered smooth including providing proper slopes, thread lining, curing and 150mm wide skirting alround with the same cement mortar etc., complete in all respects.			1 m <sup>2</sup> (One Square Metre)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
29.8.1	FL0049	Supplying and fixing of colour <b>Glazed tiles</b> of best approved quality (The colour and shade shall be got approved from the Executive Engineer before using) over cement plastering in CM 1:2 (one of cement and two of <b>crushed stone sand</b> ) 10mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with <b>Grout (Tile joint filler)</b> , curing, finishing etc., all complete and as directed by the departmental officers. (The brand and quality of tiles should be got approved from the Executive Engineer before use).			1 m <sup>2</sup> (One Square Metre)	
29.9.1	FL0110	Supplying and laying of <b>Ceramic tiles (Anti skid)</b> of best approved quality for flooring and other similar works (The colour and shade shall be got approved from the Executive Engineer before using) over cement mortar 1:3 (one of cement and three of <b>crushed stone sand</b> ) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with <b>Grout (Tile joint filler)</b> , curing, finishing etc., all complete and as directed by the departmental officers. (The brand and quality of tiles should be got approved from the Executive Engineer before use).			1 m <sup>2</sup> (One Square Metre)	
32.1.1	FL0047	Finishing top of roof with one course of Hydraulic <b>Pressed Tiles</b> of approved superior quality of size <b>23cmx 23cmx20mm</b> thick laid over weathering course in cm 1:3 (One of cement and three of <b>crushed stone sand</b> ) 12mm thick <b>mixed with water proofing compound</b> at 2% by weight of cement used and pointed neatly with the same cement mortar mixed with water proofing compound including curing etc., as per standard specifications. (The quality of tiles shall be got approved from the EE before use)			1 m <sup>2</sup> (One Square Metre)	
33.1	PL0003	<b>Plastering with CM 1:5</b> (One of cement and five of <b>crushed stone sand</b> ) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding etc., complete in all respects and complying with relevant standard specifications.			1 m <sup>2</sup> (One Square Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
34.1	PL0006	Plastering with CM 1:4 (one of cement and four of <b>crushed stone sand</b> ) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding etc., complete in all respects and complying with standard specifications.			1 m <sup>2</sup> (One Square Metre)	
35.1.1	PL0012	Plastering in cm 1:3 (one of cement and three of <b>crushed stone sand</b> ) 12mm tk. mixed with water proof compound at 2% by weight of cement for sump including scaffolding curing, finishing etc., complete in all respects and complying with standard specifications.			1 m <sup>2</sup> (One Square Metre)	
35.2	PL0013	Special ceiling plastering in cement mortar 1:3 (One of cement and three of <b>crushed stone sand</b> ) 10mm thick for bottom of roof, stair, waist, landing and sunshades in all floors finished with neat cement including hacking the areas, providing band cornice, scaffolding, curing etc., complete.			1 m <sup>2</sup> (One Square Metre)	
36.1	PL0015	Plastering for Border in cm 1:5 (One of cement and five of <b>crushed stone sand</b> ) 12mm thick finish in all floors for elevation purposes, including scaffolding, curing, finishing etc., all complete.			1 RMT (One Running Metre)	
	PL0015 a	a. 150mm wide border			1 RMT (One Running Metre)	
	PL0015 b	b. 75mm wide border			1 RMT (One Running Metre)	
	PL0015 c	c. 50mm wide border			1 RMT (One Running Metre)	
38.4.2	PA0032	Supplying and applying of <b>Wall putty</b> one coat with approved make wall putty for smooth finishing over the new cement plastered walls including cost of putty, brushes, watering curing labour charges for apply putty, blade etc., complete and as directed by the departmental officers. (The quality of the material should be got approved from the Executive Engineer before use)			1 m <sup>2</sup> (One Square Metre)	

Item. No	Probable Quantity	Description of Work	TNEP No	Rate in Figures And words	Unit in Figures and words	Amount
43.1	RE 0004	Supplying, fabricating and placing in position of <b>Mild steel Grills/Ribbed Tor Steels (without Cement slurry)</b> of all diameters for reinforcement for all floors including cost of binding wire, bending, tying etc., all complete and as directed by the departmental officers for all sizes.			1 MT (One Metric Tonne)	
44.2.1 (a)	C 0020	<b>Providing Rain water Harvesting pit</b> of 1m dia and <u>600mm</u> depth of Earth work excavation and filling the pit with 40mm stone jelly to a depth of <u>300mm</u> from the top of the Augering portion and filling with <b>crushed stone sand</b> to a depth of 300mm over the stone jelly and covered with the pre-cast RCC perforated slab of 40mm thick in standardised concrete mix M-20 grade in accordance with IS: 456 - 2000 using 3mm-10mm hard broken stone jelly for all RCC items of works excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position etc., all complete and as directed by the departmental officers.			1 No. (Each)	
44.2.1 (b)		<b>Augering 30cm dia</b> bore hole in all soils and sub soils required depth to providing rain water Harvesting from the centre of the rain water harvesting pit already excavated and filling the Augering portion with 40mm size stone jelly etc., all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	
44.6	WS 0002	Supplying and fixing of <b>110mm dia PVC SWR pipe</b> with ISI mark confirming to IS 13952:1992- type 'A' for Rain water down fall pipe with relevant specials such as gratings, shoes, bends, offsets confirming to IS 14735 including jointing with seal ring confirming IS 5382 with leaving a gap about 10mm to allow thermal expansion with necessary clamps, teak wood plugs, etc., of approved quality and including fixing C.I. gratings at the junction of parapet and floor or roof slab etc., including finishing etc., complete complying with relevant standard specifications.			1 RMT (One Running Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
50.2.1	WS 0220	Supplying and fixing of <b>precast kerb stone</b> of size <b>450x300x150mm</b> made in CC 1:3:6 (One of cement, three of <b>crushed stone sand</b> and six of hard broken stone jelly) using 20mm size hard broken stone jelly including the cost of Kerb stone moulding, laying, curing, transporting, pointing and as directed by the departmental officers.			1 RMT (One Running Metre)	
50.5.1	NL 0002	Supplying, Fabrication and Erection in position of <b>M.S. scheme name and layout board</b> with 50x50x6mm M.S. angle for vertical post and support posts with 2.5 mm thick M.S. sheet for a size at 1.80x1.20m with 40x40x6mm M.S. angle around the board and 50x6mm flat stiffeners on both directions including cost of welding charges, painting charges and drawing the layout and lettering the scheme details as directed by the departmental officers including earth work excavation for 4 nos of pits, PCC 1:5:10 (One of cement, five of <b>crushed stone sand</b> and ten of HB stone jelly) for pits. 0.45 x 0.45 x 0.60m below Ground level and P.C.C 1 :2:4 (one of cement, two of <b>crushed stone sand</b> and four of 20mm HB Stone Jelly) at 0.30 x 0.30 x 0.30m above Ground level for erection, conveyance charges etc., all complete and as directed by the departmental officers.			1 No. (Each)	
50.6.1	CS 0039	Supplying and fixing of fibre mixed <b>Precast slab of 50mm thick</b> of all required shapes made in cement concrete 1:3:6 (one of cement, three of <b>crushed stone sand</b> and six of 20mm hard broken stone jelly) using 20mm hard broken stone jelly mixed with secondary reinforcement fibre of approved quality at 0.25% by weight of cement (125gm of fibre for 1bag i.e., 50Kg of cement) used including cost of all materials, moulding, curing, transportation, laying, pointing etc., for approach road, pavement slab and other similar works etc., complete as per the relevant standard specifications and as directed by the departmental officers. (The shape of slab and brand and quality of fibre should be got approved from the Executive Engineer before use)			1 m <sup>2</sup> (One Square Metre)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
52.4	WS 0008	Supplying, laying, fixing and jointing the following <b>PVC pipes</b> as per ASTM D - 1785 of schedule 40 of wall thickness not less than the specified in IS 4985 suitable for plumbing by threading of wall thickness including the cost of suitable PVC/GI specials /GM specials like Elbow, Tee reducers, Plug, unions, bend, coupler, nipple/ GM gate valve, check and wheel valve etc., wherever required above the ground level including the cost of teflon tape etc., Fully concealed in walls to the proper gradient and Alignment and redoing the Chipped portion of Masonry etc., all complete and as directed by the departmental officers.				
	WS 0008 C	c) 20mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials			1 RMT (One Running Metre)	
53.4	MS 0049	Supplying and fixing of <b>C.I. manhole cover</b> with locking arrangements of approved quality and brand of size 0.6 m x 0.6 m(50 kg) as per standard specifications including cost of material, labour charges for fixing etc. all complete and as directed by the departmental officers.			1 No. (Each)	
53.5	SA 0002	Supplying and fixing of porcelin <b>Wash hand basin</b> (White without Pedestal Type), superior variety of size 550x400mm (22"x16") with all accessories such as powder coated cast iron brackets, 32mm dia C.P. waste coupling, rubber plug and aluminium chain, 32mm dia GI 'B' class PVC waste pipe, 15mm dia CP angle valve, 15mm dia nylon connection, 15mm dia brass nipples, 15mm C.P. pillar tap & required grating etc., complete in all respects (Wash hand basin with CP fittings shall be got approved by the Executive Engineer before fixing).			1 No. (Each)	
54.1.1	SA 0163	Supplying and fixing of half turn Brass core <b>CP Long body tap</b> of 15mm dia of best quality including cost of half turn CP tap with required specials and labour for fixing etc., all complete and as directed by the departmental officers. (The quality and brand should be got approved from the Executive Engineer before use)			1 No. (Each)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
54.2.1	SA0164	Supplying and fixing of half turn Brass core <b>CP Short body tap</b> of 15mm dia of best quality including cost of half turn CP tap with required specials and labour for fixing etc., all complete and as directed by the departmental officers. (The quality and brand should be got approved from the Executive Engineer before use)			1 No. (Each)	
56.3.2	SA0019	Supplying and fixing of <b>Indian water closet white glazed (Oriya type)</b> of size 580mmx440mm of approved make with ISI mark (To be got approved from the Executive Engineer before use) with PVC SWR Grade P or S trap including concrete packing, filling portion with earth, flooring the area with 75mm thick brick jelly concrete in CC 1:8:16 (One of cement, Eight of <b>crushed stone sand</b> and Sixteen of brick jelly) using 40mm size brick jelly and top left rough to receive the floor plastering but including antisiphonage connection, curing, etc. all complete and as directed by the departmental officers. <b>(In Ground floor)</b>			1 No. (Each)	
56.4.2	SA0020	Supplying and fixing of <b>Indian water closet white glazed (Oriya type)</b> of size 580mmx440mm of approved make with ISI mark (To be got approved from the Executive Engineer before use) with PVC SWR grade P or S trap including concrete filling the sunk portion with brick jelly lime concrete proportion of brick jelly to lime being 32:12½ by volume (32 cft of 20mm gauge brick jelly and 12 ½ cft of slaked lime) (no sand) and top 75mm thick brick jelly concrete in CC 1:8:16 (One of cement, Eight of <b>crushed stone sand</b> and sixteen of broken brick jelly) using 40mm size brick jelly including plastering the sides of sunk portion in cm 1:3 (one of cement and three of <b>crushed stone sand</b> ) 12mm thick mixed with water proofing compound at 2kg/sqm and top left rough to receive the floor plastering but including antisiphonage connection, one coat of bitumen for the sides, bottom and curing etc., complete in all floors. <b>(Other than Ground floor)</b>			1 No. (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
56.4.3		Supplying and applying of <b>water proofing 3mm thick APP (Atactic Poly Propylene) Membrane</b> in Toilet Sunken portion and similar nature of works approved quality by means of gas torching, over the one coat of bitumen primer etc., all complete and as directed by the departmental officers. (The quality and brand of the materials should be got approved from the Executive Engineer before use)			1 m <sup>2</sup> (One Square Metre)	
57.2	SA0023	Supplying and fixing <b>EWC (White)</b> superior variety 500mm with PVC SWR Grade 'P' or 'S' trap including cost and fixing of double flapped plastic sheet cover PVC flushing cistern in appropriate level as directed by the departmental officers at a maximum level of 5'6" and of approved brand of 10 litres capacity including fittings such as CI brackets, PVC connection GM wheel valve, Hex nipple, etc., complete (EWC and Plastic cover shall be got approved from the Executive Engineer before fixing).			1 No. (Each)	
58.3	SA0033 a.  SA0033 a  SA0033 b	Supplying and fixing the following dia <b>PVC (SWR) pipe</b> with ISI mark confirming to IS 13952:1992- type 'B' for soil line with relevant specials confirming to IS 14735 including jointing with seal ring confirming to IS 5382 with leaving a gap about 10mm to allow thermal expansion, fixing the pipes into walls with necessary wooden plug, screws, holding wherever necessary and making good of the dismantled portion with necessary connections to sanitary fittings etc., complete in all respects and as directed by the departmental officers.  a) <b>110mm dia PVC SWR pipe including all required PVC specials etc., all complete.</b>  b) <b>75mm dia PVC SWR pipe including all required PVC specials etc., all complete.</b>			1 RMT (One Running Metre)  1 RMT (One Running Metre)	



Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
58.4	SA0035	Supplying, laying and <b>Concealing the 50mm dia PVC (SWR) pipe</b> with ISI mark confirming to IS 13952:1992- type 'B' for waste water line with relevant specials confirming to IS 14735 including jointing and making good of the dismantled portion with necessary connections to sanitary fittings etc., complete in all respects and as directed by the departmental officers.			1 RMT (One Running Metre)	
58.5	SA0036	Supplying and fixing the following dia PVC(SWR) pipe with ISI mark confirming to IS 13952:1992- type 'A' with PVC <b>cowl</b> and relevant specials confirming to IS 14735 including jointing with seal ring confirming to IS 5382 with leaving a gap 10mm to allow thermal expansion and fixing the pipes into walls or over the septic tank with necessary wooden plug, screws, holding wherever necessary and making good of the dismantled portion with necessary connections to sanitary fittings etc., complete in all respects and as directed by the departmental officers. <b>a) 110mm dia PVC SWR pipe of 3metre with required PVC cowl &amp; PVC specials etc., all complete.</b>			1 No. (Each)	
59.5.2	SA0043	Supplying and fixing 150mm x 100mm size <b>stone ware Gully trap</b> with iron gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of <b>crushed stone sand</b> and sixteen of broken brick jelly) using 40mm size brick jelly and brick masonry wall 110 mm thick using kiln burnt country bricks of size 8¾"x4¼"x2¾" (22x11x7cm) in cm 1:5 (One of cement and five of <b>crushed stone sand</b> ) plastered with CM 1:3 (One of cement and three of <b>crushed stone sand</b> ) 12mm thick etc., complete and as directed by the departmental officers.			1 No. (Each)	
60.1	SA0045	Supplying and fixing of <b>PVC Nahani Trap</b> not less than 75mm 4 way /2 way (Superior variety) having minimum of water seal of 50mm confirm to relevant I.S. specifications with its latest amendments including resting on the bed of brick jelly concrete 1:5:10 (One of cement, five of <b>crushed stone sand</b> of ten of 40 mm gauge brick jelly) etc., complete as directed by the departmental officers (The PVC Nahani Trap should be got approved from the EE before use)			1 No. (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
61.1.1	SA0048	Supplying, laying and jointing the following dia UPVC non pressure pipe of <b>SN8 SDR 34 (S 16.5) as per IS 15328/2003</b> , Superior variety and tested with water including necessary earth work excavation for trenches and refilling the same, well rammed and consolidated after the pipes are jointed and laid to proper gradient to the alignment and as directed by the departmental officers (SN8 SDR 34 (S 16.5) as per IS 15328/2003 should be got approved by the Executive Engineer./ Superintending Engineer./ Chief Engineer., before use in works)				
	SA0048 a	(a) 110mm dia UPVC Non Pressure pipe			1 RMT (One Running Metre)	
	SA0048 b	(b) 160mm dia UPVC Non Pressure pipe			1 RMT (One Running Metre)	
62.1.1	SA0052	Supplying and fixing of following dia of <b>PVC Bend</b> fabricated 6 KSC PVC Specials as per IS 10124/1982 Part II including cost of material and labour charges for fixing etc., all complete and as directed by the departmental officers. (The quality and brand of PVC Bend should be got approved from the Executive Engineer before use).				
	SA0052 a	a) 110mm dia PVC Bend			1 No. (Each)	
	—	b) 160mm dia PVC Bend			1 No. (Each)	
62.2.1	SA0053	Supplying and fixing of following dia <b>PVC Equal Tee</b> (Mould) BIS 7834/1975 PVC specials as per IS 10124/1982 Part II including cost of material and labour charges for fixing etc., all complete and as directed by the departmental officers. (The quality and brand of PVC equal Tee should be got approved from the Executive Engineer before use).				
	SA0053 a	a) 110mm dia PVC Equal Tee			1 No. (Each)	
	—	b) 160mm dia PVC Equal Tee			1 No. (Each)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
64.1	EL0002	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1 K.V. grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to <u>IS: 694/1990, 1.1 k.V.</u> grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16 g thick concealed and covered with 3mm thick laminated hylem sheet controlled by 5 amps flush type switch including circuit mains cost of all materials, specials etc., all complete.				
	EL0002 a	a) Light point with ceiling rose			1 Point (Each Point)	
	EL0003 b	b) Light point without ceiling rose			1 Point (Each Point)	
	EL 0004 c	c) Point wiring for calling bell/ buzzer with push type switch			1 Point (Each Point)	
65.1	EL0010	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for Fan point controlled by 5 amps flush type switch including circuit mains, cost of all materials, specials, etc., all complete.			1 Point (Each Point)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
66.1	EL0018	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.K.V. grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.K.V. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS Box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for <b>Staircase light point</b> controlled by 5 amps flush type two way switch including circuit mains, cost of all materials, specials, etc., all complete.			1 Point (Each Point)	
67.1	EL0026	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for <b>5 amps 5 pin plug socket point at Switch Board Itself</b> including circuit mains, cost of all materials, specials, etc., all complete.			1 Point (Each Point)	
68.2	EL0031	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 1 No (each) 16g thick concealed and covered with 3mm thick laminated hylem sheet for <b>5 amps 5 pin plug socket point at convenient places</b> including circuit mains, cost of all materials, specials, etc., all complete.			1 Point (Each Point)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
71.2	EL 0163	Supplying and fixing of <b>32 amps triple pole main switch</b> with fuse and neutral link on a suitable well varnished Teak Wood board including necessary inter connection cost of all materials etc., all complete and as directed by the departmental officers.			1 No. (Each)	
75.1.2	EL 0078	Supplying and delivery of following <b>Electric Ceiling fan with ISI mark</b> with blades and double ball bearing, capacitor, etc., complete with 300mm down rod, canopies, capacitor, shackle blades with <b>electronic dimmer</b> suitable for operation on 230 volts 50 HTZ single phase AC supply conforming to ISS No.374/79 and provided with insulation. (The brand should be got approved from the Executive Engineer before supply made).				
77.6	EL 0191	a) <b>48" Electric fan 1200mm sweep</b>  <b>Run off main with 2 wires of 4 sqmm PVC insulated single core multi strand fire retardant flexible copper cable</b> with ISI mark conforming to IS: 694/1990, 1.1 kv grade cable with continuous earth by means of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1. k.v. grade cable in fully concealed 19mm/20mm dia rigid PVC conduit pipe heavy duty with ISI mark cost of all materials, specials etc., all complete.			1 No. (Each)	
77.7	EL 0189	<b>Run off main with 2 wires of 2.5 Sqmm PVC insulated single core multi strand fire retardant flexible copper cable</b> with ISI mark conforming to IS: 694/1990, 1.1 KV grade cable with continuous earth by means of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1 KV grade cable in fully concealed 19/20mm dia rigid PVC conduit pipe with ISI mark etc. including cost of all materials, specials etc. all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
79.2.1	EL 0225	Supplying and fixing 3 Nos. of 32 Amps 500 volts grade porcelain fuse unit on suitable teakwood plank varnished to be fixed on the top of pole EB street pole with necessary clamps including cost of all materials etc., all complete and as directed by the departmental officers.			1 No. (Each)	
80.1	EL 0285	Supplying and fixing of 1 no. of 450x375x20mm thick TW plank well varnished with 3 Nos. of 32 Amps 250 Volts porcelain fuse unit and 1 No. copper earth plate of suitable size bolts and nuts on wall for EB service connections including cost of all materials etc., all complete.			1 No. (Each)	
84.4	EL 0206	Run off main with 4 wires of 6 Sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1 KV grade cable with continuous earth by means of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990, 1.1 KV grade cable in fully concealed 25mm dia rigid PVC conduit pipe with ISI mark etc. including cost of all materials, specials etc. all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	
86.1		Providing Cup-board Shutter with frame using termite / water proof plywood of 19mm thick over which laminated sheet of 0.8mm thick fixed inside the shutter and 1mm thick fixed in the outside of the shutter using fevicol along with necessary furniture fittings, such as, hydraulic hinges, tower bolt, handles, multi purpose locks etc., as directed by the Departmental Officers. The design pattern, water proof plywood, laminate sheet and other materials should be got approved from the Executive Engineer before use on work.			1 m <sup>2</sup> (One Square Metre)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
87.2		Supplying and fixing of <b>20 Amps DP Plug</b> and socket in sheet enclosure with 32A DP MCB in Flush with wall with earth connection (For AC plug) etc all complete and as directed by the Departmental officers. (The brand and quality of the material should be got approved from the Executive Engineer before supply made).			1 No. (Each)	
99		Supplying and fixing of best Indian <b>Teak wood panelled door of double leaves shutters</b> in position using 4 Nos. of 75mmx37.5mm styles and 6 Nos. of 150x37.5mm rails (Top, bottom and lock rail) and 6 Nos. of 75mmx37.5mm rails (intermediate rails) and 18.75mm thick planks for panels including cost and labour for fixing the brass fittings such as 2 Nos. of Majestic door handle with brass screws, 6 Nos. of 6" brass butt hinges, 4 Nos. of 8" Brass tower bolts, 1 No. of Mortice lock with handle, 2 Nos. of Nylon bush and 2 Nos. of Door stopper with rubber bush etc., all complete and as directed by the departmental officers. (The Quality of Brass fittings should be got approved from the Executive Engineer before using) <b>Suitable for Door of size</b> <b>a) 1500 x 2100mm</b>			1 m <sup>2</sup> (One Square Metre)	
99.1		Supplying and fixing of best Indian <b>Teak wood panelled door shutters single leaf</b> in position using 125mmx37.5mm styles and 4 Nos. of 150x37.5mm rails (Top, middle, bottom and lock rail) 2 Nos. of 125mmx37.5mm vertical shorter styles and 18.75mm thick planks for panels including cost and labour for fixing the brass fittings such as 2 Nos. of 6" brass door handle, 3 Nos. of 5" Brass butt hinges, 2 Nos. of 6" x 1/2" brass tower bolt, 1 No. of 10"x5/8" Brass aldrop, 1 No. of Nylon bush, 1 No. of door stopper with brass screws of best approved quality and shade etc., all complete and as directed by the departmental officers. (The Brass fittings should be got approved from the Executive Engineer before using) <b>Suitable for Door of size</b> <b>a) 1000x2100mm</b>			1 m <sup>2</sup> (One Square Metre)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
100	EL0070	Supplying and fixing of <b>9 Watts LED bulb</b> of best quality including cost of material and fixing etc., all complete and as directed by the departmental officers. (The quality of the 9 w LED lamp should be got approved from the Executive Engineer before use)			1 No. (Each)	
101	EL 0100	Supplying and fixing of <b>25 Watts bulb with street light fittings</b> arrangements including cost of materials labour charges for fixing of LED street light fitting etc all complete as per relevant standard specification and as directed by the departmental officers. (The quality of the 25 watts LED lamp with street light fittings should be got approved from the executive engineer before use)			1 No. (Each)	
102	EL0047	Supplying and fixing of <b>4'18 Watts Crystal LED Tube light</b> and fixing the tube light fittings on teak wood round blocks of 75mm dia or 40mm deep suspended from ceiling or mounted on the wall including cost of all materials and labour for fixing in position etc., all complete and as directed by the departmental officers. (The entire Tube light fittings should be got approved from the Executive Engineer before use)			1 No. (Each)	
103		Supplying and fixing of <b>water tight bulk head fitting</b> with guard suitable for <b>12 W LED bulb</b> including necessary connections, cost of materials etc., all complete and as directed by the departmental officers (The quality of the bulk head fittings should be got approved from the Executive Engineer before use)			1 No. (Each)	
104	EL0072	Supplying and fixing of <b>12 Watts LED bulb</b> for Bulk head fittings of best quality including cost of material and fixing etc., all complete and as directed by the departmental officers. (The quality of the 12 Watts LED lamp should be got approved from the Executive Engineer before use)			1 No. (Each)	



Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
105.1		Run off 4 wires of 4 Sq.mm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark conforming to IS: 694/1990. with one run of 7/20GI stay wire suspended with porcelain reel insulators at 1.0m centre to centre for support of phase and neutral cable from top of street pole to the house/flats including all materials etc., all complete for EB service connections including labour charges for fixing GI wire and MS Angles (for EB service connection three phase)			1 RMT (One Running Metre)	
108	E L0201	Supplying and fixing of 4 Pole RCCB / ELCB 40 Amps 30 MA including cost of materials and labour charges etc., all complete and as directed by the departmental offices. (The quality and brand of the materials should be got approved from the Executive Engineer before use)			1 No. (Each)	
109		Supply and fixing of 8 way single pole and neutral MCB sheet steel enclosure distribution board with double door (metal) 1 No. 32A DP MCB as incoming and 6 Nos. 6A to 32A SPMCB outgoing in flush with wall and making good of the concealed portion with earth connection only. The MCB DB and MCB's should be with ISI mark (like standard make) including cost of materials and labour charges etc., all complete and as directed by the departmental offices. (The quality and brand of the materials should be got approved from the Executive Engineer before use)			1 No. (Each)	
110.1	E L0561	Supplying and fixing of Single Pole & Neutral 6A to 32A, 10KA Miniature Circuit Breaker 240 V/415V 50 HZ-AC supply suitable for both lighting and Motor circuits including cost of materials and labour charges etc., all complete and as directed by the departmental offices. (The quality and brand of the materials should be got approved from the Executive Engineer before use)			1 No. (Each)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
112.1	EL0085	Supplying and fixing of <b>225 mm dia sweep AC exhaust fan</b> of approved ISI Quality including necessary wall opening, fixing and finishing the wall opening and making good including cost of materials, labour for fixing, chipping and redoing necessary inter connection, scaffolding, hire charges for tools and plants etc., all complete and as directed by the departmental officers. (The quality of the 225 mm dia sweep AC exhaust fan should be got approved from the Executive Engineer before use)			1 No. (Each)	
114	EL0337	Supplying and delivery of following <b>PVC Aluminium armoured LTUG cable</b> (PVC Aluminium Armoured LTUG 1100V grade) with ISI mark including cost of cable and conveying to the site of work etc., all complete and as directed by the departmental officers. [The brand and quality of the UG cable should be got approved from the Executive Engineer before use].				
	EL0337g	a) <b>3.5 core 35 Sqmm PVC aluminium armoured LTUG cable</b>			1 RMT (One Running Metre)	
115		Labour charges for laying of <b>3.5 core 35 Sqmm PVC aluminium armoured LTUG cable</b> in a trench to a depth of 0.75m including earth work excavation, Providing sand cushion, Brick layer protection and refilling etc., all complete and as directed by the departmental officers <b>below ground level</b>			1 RMT (One Running Metre)	
116		Labour charges for laying of <b>3.5 core 35 Sqmm PVC aluminium armoured LTUG cable</b> on post and wall to make good etc., all complete complying with relevant standard specifications and as directed by the departmental officers <b>above ground level</b>			1 RMT (One Running Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
117		<p>Supplying and fixing of brass cable glands suitable for following PVC aluminium armoured LTUG cable (1100V) including earth connection with ISI mark including cost of all materials and labour charges for fixing with earth strip around the gland etc., all complete complying with relevant standard specifications and as directed by the departmental officers. (The quality of the brass cable gland should be got approved by the Executive Engineer before use)</p> <p>a) Brass cable gland for 3.5 core 35 Sqmm PVC aluminium armoured LTUG cable</p>			1 No. (Each)	
119		<p>Supplying and delivery of 7 HP clear water vertical wet type submersible pumpset three phase suitable for 150mm dia borewell conforming to IS 8034/2002 without panel board 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 thereafter, suitable for operation in AC three phase 415 V+/-10%, 50HZ +/- 5% etc., all complete and as directed by the departmental officers. (The quality and brand of the submersible pump set arrangements should be got approved from the Executive Engineer before use)</p> <p>Duty - 50 lpm X 175 m</p>			1 No. (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
119		<p>Supplying and delivery of <b>2 HP electric monoset centrifugal pump</b> conforming to IS 9079:2002 as amended from time to time, with CI FG 200 casing, hydraulically and dynamically balanced bronze grade LTB-2 impeller, impeller ring and casing ring, stainless steel shaft capable of discharging required quantity of water against a total head noted below due to all causes. Pump shall of BEE 3 star rated and capable of discharging the specified quantity at the head noted at the minimum NPSHA at site conditions. The shut off head shall be atleast 25% over and above the head at duty point. The pump shall be suitable for operation in AC three phase, 450 V +/- 10%, 50HZ +/- 5%. Squirrel cage induction motor for continuous operation. The speed of the pump and motor shall be not less than 2700 to 2900 RPM respectively.</p> <p><b>Duty – 450 lpm X 20 m</b></p>			1 No. (Each)	
120		<p>Labour charges for the erection of submersible pumpset in borewell/openwell <b>(Above 5 HP To 10 HP)</b> including fixing and jointing submersible cable with proper clamps upto the starter to the required depth and also fixing of riser pipes to the required depth valves erection clamps, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, Voltmeter, Ammeter, three pilot (indicating) lamps capacitor single phasing preventor, water level guard and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pumpset and trail run for 10 days etc., all complete and as directed by the departmental officers.</p>			1 No. (Each)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
120.1	WS 0225	Labour charges for the erection of horizontal shaft, centrifugal pumpset <b>upto 3 HP (coupled / monoblock)</b> in borewell / openwell including fixing of suction pipe and foot valve upto a maximum depth of 7 metres and delivery pipes to the required length with valves, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPIC switches starter, voltmeter, ammeter, capacitor single phasing preventor and laying and jointing the cables and twin earthing as per IE rules including providing bed blocks etc., complete and operating the pumps and trial run for 10 days etc., all complete and as directed by the departmental officers.			1 No. (Each)	
121.1		<b>Supplying and delivery of three phase panel board of Direct online starter with two level guard and auto start (7 HP)</b> conforming to IS 13947 and IEC 60947-1 suitable KW rating for operation in AC/three phase/50 HZ ( $\pm 5\%$ ) and 415 V ( $\pm 10\%$ ) including ammeter, voltmeter, thermal over load relay, 16 amps 2 pole magnetic contactor with under voltage protection, indication lamp, starting capacitor, running capacitor and on/off push button switches, 5 way connector, wiring with 1 sqmm./1.5 sqmm copper PVC insulated cable, powder coated vermin proof box including the capacitor (The cost of capacitor is to be taken separately) and as directed by the departmental officers. (The three phase panel board assembly should be got approved from the Executive Engineer before use)			1 No. (Each)	
121.2	WS 0229	<b>Supplying and delivery of Direct online starter with single phasing preventor Upto 5 HP for Monoblock motor</b> with analog ammeter and voltmeter conforming to IS 13947, IEC 60947-1 with auto restart facility for pump houses where panel boards are available suitable KW rating for operation in AC/three phase/50HZ( $\pm 5\%$ ) and 415 V( $\pm 10\%$ ) including Ammeter, Overload relay, under voltage release with no volt coil, Air break contactors suitable for next standard higher KW rating, single phasing preventor, dry running preventor and on/off push button switches, including the capacitor (The cost of capacitor is to be taken separately) and as directed by the departmental officers. (The single phase panel board assembly should be got approved from the Executive Engineer before use)			1 No. (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
122		<p>Supplying and fixing of the following dia of the <b>GI, UPVC &amp; GM specials</b> confirming to IS specification with ISI mark of approved superior quality all, etc., complete and as directed by the departmental officers. (The quality of the GI, UPVC &amp; GM specials should be got approved by the Executive Engineer before use)</p> <p>a) 50 mm dia GM Non return valve</p> <p>b) 50 mm dia GM Gate valve</p> <p>c) 50 mm dia GI Union</p> <p>d) 50 mm dia GI Hex Nipple</p> <p>e) 50 mm dia CI Foot valve with stainer</p> <p>f) 50 mm dia GI Tee</p> <p>g) 50 mm dia GI Bend</p> <p>h) 50 mm dia GI Coupling</p> <p>i) 50 x 40 mm dia GI Reducer Tee</p> <p>j) 32 mm dia GI Union</p> <p>k) 32 mm dia GI Elbow</p> <p>l) 32 mm dia GI Hex Nipple</p> <p>m) 25 mm dia GI Coupling</p>			<p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p> <p>1 No. (Each)</p>	
123		<p>Supplying and Delivery of PVC insulated and sheathed <b>3 core 4 sq.mm flat type copper cable</b> confirming to <u>IS 694/1990</u>. best approved quality with ISI mark including cost of cable, delivery at site and fixing the cable in bore well etc., all complete and as directed by the departmental officers. (The quality of the material should be got approved from Executive Engineer before use)</p>			<p>1 RMT (One Running Metre)</p>	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
124		Supplying and delivery of <b>following dia GI pipe 'B' class</b> of best approved quality confirming to IS specifications with ISI mark for providing UG cable etc., all complete and as directed by the departmental officers. (The quality of the GI pipes should be got approved from Executive Engineer before using).  <b>a) 25 mm dia GI Pipe</b>  <b>b) 40 mm dia GI Pipe</b>  <b>c) 50 mm dia GI Pipe</b>			1 RMT (One Running Metre) 1 RMT (One Running Metre) 1 RMT (One Running Metre)	
125		Supplying and delivery of <b>following dia PVC pipe</b> including cost of all materials of best approved superior quality with ISI monogram etc all complete and as directed by the departmental officers. (The PVC pipe should be got approved from the Executive Engineer before use)  <b>a) 32mm dia PVC pipe/10 Kg/cm<sup>2</sup></b>  <b>b) 50mm dia PVC pipe/10 Kg/cm<sup>2</sup></b>			1 RMT (One Running Metre) 1 RMT (One Running Metre)	
125.1		Labour charges for the <b>GI and PVC pipe below ground level</b> including earth work excavation, cutting, threading, jointing, lowering, laying to proper grade and alignment and refilling the trench with excavated earth etc., all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	
125.3		Supplying of <b>32mm dia UPVC column pipe</b> for Borewell including cost of all materials of best approved superior quality with ISI mark etc all complete and as directed by the departmental officers. (The quality of UPVC column pipe should be got approved from the Executive Engineer before use)			1 RMT (One Running Metre)	
		32mm dia PVC				

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
129.1	NL0005	Supplying and fixing in position of <b>Aluminium dyecasting TNPHC logo emblem</b> of size 2'-0" (24") height including drawing model letters on the paper, preparing the design, moulding, casting, filing, colouring to the requirement by spraying the paint, transporting to site and labour for scaffolding drilling and fixing the letters by using projected rod fevicol quick fix and cement slurry and redoing the damaged area and colouring etc all complete and as directed by the departmental officers. (The design should be got approved from the Executive Engineer before moulding)				
	NL0005. a	a) 60 cm size			1 No. (Each)	
130	NL0006	Supplying and fixing of <b>Aluminium Dye Cast Letters</b> of approved size and colour. The colour treatment process is achieved with MRF colour coat and then the processed coloured layer is set into the kiln for the heat treatment process for the following sizes etc, all complete., and as directed by the departmental officers (The design should be got approved from the Executive Engineer before moulding)				
	NL0006. a	a) Aluminium Dye cast letter 9" size			1 No. (Each)	
	NL0006. b	b) Aluminium Dye cast letter 6" size			1 No. (Each)	
132	WS 0252	Drilling of <b>150mm dia</b> vertical bores in hard rock areas any where in Tamil Nadu including Transportation to the work site and developing the bore wells to the required depth including cost of rig, fuel etc., all complete and as directed by the departmental officers.			1 RMT (One Running Metre)	
133	WS 0147	Supplying and fixing of following dia <b>PVC Casing pipe</b> as per IS 12818/2010 etc., all complete and as directed by the departmental officers. (The quality of the casing pipe should be got approved from the Executive Engineer before use) a) 150mm dia PVC Casing Pipe			1 RMT (One Running Metre)	



Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
134	WS0240	Supplying and fixing of <b>160mm dia PVC end cap</b> suitable for covering the 150mm dia borewell casing pipe of approved brand etc., all complete and as directed by the departmental officers (The quality and brand of PVC end cap should be got approved by the Executive Engineer before use)			1 No. (Each)	
140	F0043	Supplying of <b>3 to 10mm size HBSJ</b> including conveyance and cost of materials etc., all complete and as directed by the departmental officers.			1 m <sup>3</sup> (One Cubic Metre)	
142		Supplying and laying of <b>83mm thick rubber moulded hydraulic pressed paver block for spreading and levelling of 3mm to 10mm size HBSJ</b> to the required thickness with compaction by earth rammer including conveyance loading and unloading charges for Paver block. Further laying of 83mm thick paver block and filling the gap between the paver blocks including labour charges and machinery charges etc., all complete and as directed by the departmental officers.			1 m <sup>2</sup> (One Square Metre)	
159.1		Supplying and fixing of <b>three phase DB box</b> with steel enclosures with cable gland plates for flush / surface mounting with buzbars neutral link and each bus bar (without MCB) etc., all complete and as directed by the departmental officers. (The quality and brand of the material should be got approved from the Executive Engineer before using)			1 No. (Each)	
160.1		Supplying and fixing of <b>Rotary Handle</b> including cost of materials and labour charges etc., all complete and as directed by the departmental officers. (The quality of the materials should be got approved by the Executive Engineer before use)			1 No. (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
164	GR 0056	Manufacturing, Supplying and Fixing of <b>Stainless Steel Hand rails</b> for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc., all complete and as directed by the departmental officers.			1 m <sup>2</sup> (One Square Metre)	
344.2	MS 0008	Supplying and fixing of <b>Beveled edge mirror</b> of approved quality and brand of size 500x400x5.5mm shelf type mounted in the PVC/ Fibre Glass framed with necessary hard board backing including labour for fixing in position etc., complete and as directed by the departmental officers.			1 No. (Each)	
361.1	FL 0116	Supplying and laying superior variety <b>concrete Designer tiles</b> for flooring in CM 1:3 (one of cement and three of <b>crushed stone sand</b> ) 20mm thick, including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with White/colour cement, finishing, curing etc., complete and as directed by the departmental officers. (The brand quality of tiles should be got approved from the Executive Engineer before use).			1 m <sup>2</sup> (One Square Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
367	PA 0027	Providing wooden <b>Melamen Polish</b> for main door new wood by removing by blade scrapping the existing dirt from the wooden surface with M50 sand paper and repeat M80 sand paper to get a smooth surface, leave atleast 4hrs drying and prepare surface by M100 sand paper and clear the surface apply one coat of touch wood stainer by brush and leave for two hrs. for drying, prepare the surface by M100 sand paper and apply one coat of ash sanding sealer mixed with approved quality thinner after drying apply one coat of sanding sealer and attend the surface to get thoroughly dried smoother surface with No.250 water emery wood cleaner fill the holes and dots by putty and packing to get the surface clean, apply surface by wax emery sheet No.250, apply first coat of melamen sealer with the thinner for preparing the surface and apply second coat of the same by after drying preparing the surface with water emery No.320 and apply two coats of melamen matt mixed with glozing and thinner 106 prepare the surface water emery No.400 and apply two coats of same and finally smoother etc., all complete including cost of all materials and labour etc., and as directed by the departmental officers. (The quality and shade of the polish should be got approved from the EE before use).			1 m <sup>2</sup> (One Square Metre)	
(373)		Supplying and installation of Air conditioner with copper coil of <b>2 TR Split type AC unit 5 Star rated</b> superior variety/make consisting of outdoor condensing unit complete with compressor and air cooler condenser with fan motor and one indoor unit with evaporator blower etc., including initial charging of refrigerant gas and suitable for single phase operation (with cardless remote control facilities). All complete and as directed by departmental officers (The quality and brand of the AC unit should be got approved from the Executive Engineer before use)			1 No. (Each)	
374.1		Supplying and laying of <b>7/8" dia copper Refrigerant pipe</b> (extra beyond 3 metres supplied with AC unit) in position etc., all complete and as directed by the departmental officers. (The quality of the copper pipe should be got approved from Executive Engineer before use).			1 RMT (One Running Metre)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
374.2	AC0035	Supplying and fixing of <b>MS stand</b> for fixing outdoor unit in position etc., all complete and as directed by the departmental officers. (The quality of the MS stand should be got approved from Executive Engineer before use).			1 No. (Each)	
374.3		Supply and fixing of water drain pipe line (1" PVC Pipe) etc., all complete and as directed by the departmental officers. (The quality of the water drain pipe should be got approved from Executive Engineer before use).			1 RMT (One Running Metre)	
375	AC0037	Supplying and installation of <b>5 KVA capacity automatic voltage stabilizer</b> with time delay relay arrangement and low and high voltage cost of face units etc., all complete and as directed by the departmental officers. (The quality of the material should be got approved by the Executive Engineer before use)			1 No. (Each)	
378.2	FL0117	Supplying and fixing of <b>Vetrified tiles</b> of best approved quality ( <b>Ivory</b> ) 600x600x8mm for flooring and other similar works (The colour and shade shall be got approved from the executive engineer before using) over cement mortar 1:3 (one of cement and three of <b>crushed stone sand</b> ) 20mm thick including fixing in position cutting the tiles to the required size wherever necessary pointing the joints with Grout (Tile Joint Filler) curing finishing etc., all complete and as directed by the departmental officers.			1 m <sup>2</sup> (One Square Metre)	
379.5.1	FL0119	Supplying and laying of <b>Granite Tile flooring</b> (super fine polished with machine cut edges of size 2' x 1', 10mm thick (Ruby red / Raw silk) using grout joint) (The Sample should be got approved by the Executive Engineer before use) over cement plastering in CM 1:3 (One of cement and three of <b>crushed stone sand</b> ) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary pointing the joints with grout curing, finishing etc., all complete and as directed by the departmental officers.			1 m <sup>2</sup> (One Square Metre)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
379.7		Supplying and fixing of (superfine polished with machine cut edges) of sizes 4'x2' of <b>granite slab (Jet black) for table slab arrangements</b> having 18-20mm thick (sample should be got approved by the Executive Engineer before use) laid over in CM 1:3 (One of cement and three of <b>crushed stone sand</b> ) 12mm tk over the RCC Platform including fixing in position cutting the slab to the required size, wherever necessary pointing the joints with coloured cement curing finishing etc., all complete and as directed by the departmental officers. <b>a. In Ground Floor</b>  <b>b. In First Floor</b>  <b>c. In Second Floor</b>			1 m <sup>2</sup> (One Square Metre)  1 m <sup>2</sup> (One Square Metre)  1 m <sup>2</sup> (One Square Metre)	
383.2		Providing Single nosing to the edges of <b>Granite slab</b> including labour, power consumption, tools & plants required, true to horizontal etc., for table slab arrangements in all floors and as directed by the departmental officers.			1 RMT (One Running Metre)	
384		Supply and fixing of 10 litre capacity Handle type <b>PVC flushing cistern</b> (wall mounting type) of superior variety (white) with all fittings inclusive of cost of all materials, labour charges for fixing in position in appropriate level (suitable for IWC) as directed by the departmental officers and as per relevant standard specifications (The colour quality and brand should be got approved from the Executive Engineer before use)			1 No. (Each)	
448.2	SA0056	Supplying and fixing of <b>PVC Tee with end cap of 32mm dia</b> and coupling of best approved quality with ISI mark to the sink and wash basin instead of bottle trap etc., complete complying with relevant standard specifications and as directed by the departmental officers. (The brand and quality of PVC specials should be got approved from the Executive Engineer before use)			1 No. (Each)	

Item No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
549	LF 0001	<p>Supply, Erection and Commissioning of 1 No of Passengers Lift (13 Persons - 884 Kgs. at site according to the following specification)</p> <p>Number of lifts / Type of lift : ONE MACHINEROOMLESS ELEVATOR - PASSENGER</p> <p>Load / Speed : 13 Persons (884Kgs) / 1.0 Mtr Per Second</p> <p>Drive : Monospace (Gearless Leco Disc) V3F Drive</p> <p>Travel / PTT / HEADROOM : 12.8m Travel / PTT 1600mm / HEADROOM 4300mm</p> <p>Number of floors : 4(GROUND) + 3 UPPER FLOORS)</p> <p>Floor Display Chair : 0,1,2,3</p> <p>Number of Landing Entrances : 4(GROUND) + 3 UPPER FLOORS)</p> <p>Number and Position of car Entrances : 1(ONE) IN FRONT ONLY</p> <p>Position of Machinery : MACHINE ROOMLESS - GEARLESS</p> <p>Size of Lift well : 2450X 1900 (MM Wide * MM Depth * MM Depth * MM Height * MM (E-Value)</p> <p>Lift Car Inside Size : 1600X 1350 (MM Wide * MM Depth * MM Depth)</p> <p>Clear opening of Gates / Doors / Lintel : 900 X 2000 (MM Wide * MM Depth * MM Height)</p> <p>Type or Design of Lift Car : STAINLESS STEEL - HAIRLINE FINISH</p> <p>Additional Car Spec : SLEEK (SMALL CIRCULAR LIGHTS)-SS HAIRLINE FINISH -20MM RECESS</p> <p>Car Ceiling - Car Floor : LED LIGHTS&amp; REGULAR (CIRCULAR)-FAN</p> <p>Car Fittings : POWER OPERATED CENTRE OPENING SLIDING DOOR - STAINLESS STEEL (1.5mm) HAIRLINE FINISH</p> <p>Type of Car Front Entrance Protection : CENTRE OPENING SLIDING DOOR - STAINLESS STEEL (1.5mm) HAIRLINE FINISH</p> <p>Land Entrance Protection(0,1,2,3) : STAINLESS STEEL (1.5mm) HAIRLINE FINISH</p> <p>Landing Door Frame(0,1,2,3) : STAINLESS STEEL - HAIRLINE FINISH</p> <p>Type of Control System : MICROPROCESSOR BASED SIMPLEX SELECTIVE COLLECTIVE CONTROL WITH / WITHOUT ATTENDANT</p> <p>Electric Supply : AC 400 / 440 VOLTS, 3PHASE, 50CYCLES</p> <p>Delivery Period / Time of Erection : 2 MONTHS / EX-WORKS / 6 WEEKS</p> <p>Special Additional Spec</p> <p>FEATURES FOR MACHINEROOMLESS ELEVATOR:-</p> <ol style="list-style-type: none"> <li>1. Light and Fan supervision in Elevator Car</li> <li>2. Stainless steel signal fixtures</li> <li>3. Painted false ceiling with fan &amp; LED lights</li> <li>4. PVC Flooring</li> <li>5. Micro Controller Based Selective Collective Logic</li> <li>6. Fireman Drive</li> </ol> <p>SPECIAL FEATURES:-</p> <ol style="list-style-type: none"> <li>1. Leco Disc with Gearless assembly made</li> <li>2. Emergency light &amp; Alarm supported with an inverter</li> <li>3. Progressive safety gear for safe stopping</li> <li>4. Load weighing Device</li> <li>5. Full length infra-red curtain assembly for passenger safety</li> <li>6. Electronic pressure Limit Switch for additional Door safety</li> <li>7. DC Motor for smooth operation of doors</li> <li>8. Automatic Rescue Device</li> <li>9. SS Handrail</li> <li>10. Lift license</li> <li>11. Minor Builders work</li> </ol>			1 No. (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
552	EL 0514	<p><b>Supply and erection of 250 Amps capacity floor mounting panel board</b> (Cubical type) with bus bar chamber made up of 14/16 SWG MS sheet for 3 phase 4 wire system with 25mm x 6mm tin coated copper flats for phases and 25mm x 3mm tin coated copper flats for neutral; cable chamber, switch chamber and with 2 Nos. 25mmx3mm tinned copper flat for the earth bus on the rear side of the panel board; necessary interconnections by copper flat of suitable sizes; suitable PVC colour sleeves for the interconnecting copper flats / rigid copper wire; earth connections to all switches / bus bar by copper flats of suitable sizes from the earth bus; hylem sheet separation between bus bar and switches; 1set LED pilot lamps with switches, fuse units, suitable angle iron frame size of 40mmx 40mmx 6mm with powder coated painting over one coat of red primer and with numbering; superscription of cables sizes, capacity of switches etc and incorporating the following:</p> <p>Incoming 1 No. 250A TPN MCCB with Manual Closing Mechanism of 25KA Short Circuit Rating with Thermal O/L and Magnetic S/C Protection. Bus Bar: 250 Amps 3 phase 4 wire Copper Bus Bar Outgoing 1 No. 250 A 25 KA TPN MCCB with Manual Closing Mechanism of 25KA Short Circuit Rating with Thermal O/L and Magnetic S/C Protection. 1 No. 200 A TPN fixed type MCCB with Manual Closing Mechanism of 15KA Short Circuit Rating with Thermal O/L and Magnetic S/C Protection Dummy provision - 1 No. 1set LED pilot lamps with fuse units, switches and interconnections; inter connection to the bus bar by 25 x 6mm T C copper flat for phases and 25 x 3 mm T C copper flat for neutral from 250 / 200 A TPN MCCB to the bus; 6mm thick hylem sheet separation between bus bar chamber and switches chamber; insulators for the support for the bus; superscribing on the panel board the size, capacity of cable, switches, location etc. 2 nos. metallic danger boards etc., all complete and as directed by the departmental officers (The quality of the material should be got approved from the Executive Engineer before use)</p>			1 No. (Each)	

Item. No	Probable Quantity	Description of Work	TNBP No	Rate in Figures And words	Unit in Figures and words	Amount
796		Painting the new walls with two coats of approved best ready mixed <b>Exterior Emulsion paint</b> in addition to one coat of approved primer coat for <b>outer wall</b> over cement plastered wall surfaces and ceiling including cost of plastic emulsion paint, putty, brushes etc., all complete and as directed by the departmental officers (The Emulsion paint and its shade should be got approved from the Executive Engineer before using)			1 m <sup>2</sup> (One Square Metre)	
796.1	PA0037	Painting the new walls with two coats of approved best ready mixed plastic <b>Emulsion paint</b> in addition to one coat of approved primer coat for <b>inner wall</b> over cement plastered wall surfaces and ceiling including cost of plastic emulsion paint, putty, brushes etc., all complete and as directed by the departmental officers (The Emulsion paint and its shade should be got approved from the Executive Engineer before using)			1 m <sup>2</sup> (One Square Metre)	