

Schedule -A						
NAME OF WORK : Construction of Working Women's Hostel Building at SIPCOT Industrial Park in THOOTHUKUDI (G+2) floors						
Section		Description of work			Amount (Rs.)	
I		Civil Works				
II		Electrical Works				
III		Circular Sump				
IV		Septic Tank				
V		Compound Wall				
VI		Cement Concrete Road				
		Sub Total				
		GST 18% on Sub Total				
		GRAND TOTAL				
(Rupees_____only)						
I. Civil Work						
Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
I. Civil Works						
1		Earth work excavation for foundation 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 complying with standard specifications and as directed by SIPCOT Officers. (including Refilling)				
a	631.00 Cum (Six Hundred and Thirty One cubic metre only)	0 to 2m depth			1 Cum (One Cubic metre)	
b	277.00 Cum (Two Hundred and Seventy Seven cubic metre only)	2 to 3m depth			1 Cum (One Cubic metre)	

No. of Corrections:
No. of over writings:

Contractor

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
c	56.00 Cum (Fifty Six cubic metre only)	3 to 4m depth			1 Cum (One Cubic metre)	
2	34.00 Cum (Thirty Four cubic metre only)	Supplying and filling in foundation and basement with filling Crushed stone Sand in layers of 100mm thickness well watered, rammed and consolidated complying with relevant standard specification including cost of supplying Crushed stone sand etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
3	410.00 Cum (Four Hundred and Ten cubic metre only)	Supply and filling in foundation and basement with earth in layers of 150mm thickness well watered, rammed and consolidated complying with relevant standard specification including cost of earth etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
4	132.00 Cum (One Hundred and Thirty Two cubic metre only)	Supply and filling of stone dust including all cost and conveyance of materials and all labour charges etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
5	28.00 Cum (Twenty Eight cubic metre only)	Plain Cement Concrete 1:4:8 (One of cement, four of Crushed stone sand and eight of hard broken stone jelly) for foundation using 40mm gauge hard broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
6	78.00 Cum (Seventy Eight cubic metre only)	Plain Cement Concrete 1:5:10 (One of cement, four of Crushed stone sand and eight of hard broken stone jelly) for foundation using 40mm gauge hard broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete complying with standard specifications and as directed by SIPCOT Officers. For Plinth beam			1 Cum (One Cubic metre)	

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1	2	3	4	5	6	7
7		Providing and laying in position, Standardised Concrete Mix M-30 Grade in a accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for the all RCC items of works with minium cement content of 400 Kg/m3 and maximum water cement ratio of 0.45, 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 cum) 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum) 5156 Kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670Kg of sand (for making 10 cum) 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 specifications and as directed by SIPCOT Officers. The coarse and fine aggregates to be used should comply with requirements of IS standards. (No separate payment will be made by the Department for the excess usage of materials)				
	220.00 Cum (Two Hundred and Twenty cubic metre only)	Foundation, basement, plinth beam and grade beam upto basement			1 Cum (One Cubic metre)	
8		Providing and laying in position, Standardised Concrete Mix M-25 Grade in a accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for the all RCC items of works with minium cement content of 350 Kg/m3 and maximum water cement ratio of 0.50, 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 cum) 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum) 5156 Kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670Kg of sand (for making 10 cum) 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 specifications and as directed by SIPCOT Officers. The coarse and fine aggregates to be used should comply with requirements of IS standards. (No separate payment will be made by the Departmental for the excess usage of materials)				
a	164.00 Cum (One Hundred and Sixty Four cubic metre only)	In Ground floor column upto roof beam bottom, beam, lintel, sunshade, stair case and slab portion etc.			1 Cum (One Cubic metre)	

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1	2	3	4	5	6	7
b	163.00 Cum (One Hundred and Sixty Three cubic metre only)	In First floor column upto roof beam bottom, beam, lintel, sunshade, stair case and slab portion etc.			1 Cum (One Cubic metre)	
c	163.00 Cum (One Hundred and Sixty Three cubic metre only)	In second floor column upto roof beam bottom, beam, lintel, sunshade, stair case and slab portion etc.			1 Cum (One Cubic metre)	
d	47.00 Cum (Forty Seven cubic metre only)	In third floor (Terrace)			1 Cum (One Cubic metre)	
9		Brick work in cm 1:5 (One of cement and five of crushed stone sand) using Kiln burnt chamber bricks of size 23x11.4x7.5 cm in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
	101.00 Cum (One Hundred and One cubic metre only)	a. Foundation and basement			1 Cum (One Cubic metre)	
10		Brick work in cm 1:6 (One of cement and five of crushed stone sand) using Kiln burnt chamber bricks of size 23x11.4x7.5 cm in super structure including dewatering wherever necessary proper setting, curing etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	51.00 Cum (Fifty One cubic metre only)	For Superstructure - Ground floor			1 Cum (One Cubic metre)	
b	52.00 Cum (Fifty Two cubic metre only)	In First floor			1 Cum (One Cubic metre)	
c	52.00 Cum (Fifty Two cubic metre only)	In second floor			1 Cum (One Cubic metre)	
d	39.00 Cum (Thirty Nine cubic metre only)	Terrace floor			1 Cum (One Cubic metre)	

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1	2	3	4	5	6	7
11		Brick partition wall in Cement Mortar 1:4 (One of cement and four of crushed stone stone sand) 114mm thick for super structure in the following floors using kiln burnt chamber bricks of size Bricks of size 23x11.4x7.5 cm 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.				
a	422.00 Sqm (Four Hundred and Twenty Two Square metre only)	a. Ground floor			1 sqm. (One Square metre)	
b	424.00 Sqm (Four Hundred and Twenty Four Square metre only)	b. In first floor			1 sqm. (One Square metre)	
c	424.00 Sqm (Four Hundred and Twenty Four Square metre only)	c. In Second floor			1 sqm. (One Square metre)	
12		Brick partition wall in Cement Mortar 1:4 (One of cement and four of crushed stone stone sand) 50 mm thick for super structure in the following floors using kiln burnt country Bricks of size 22X11X5Cm cm including labour for staicase hand rail , curing etc., complete in all respect complying with relevant standard specifications and drawings.				
a	6.00 Sqm (Six Square metre only)	Ground floor			1 sqm. (One Square metre)	
b	6.00 Sqm (Six Square metre only)	1st floor			1 sqm. (One Square metre)	
c	8.00 Sqm (Eight Square metre only)	2nd floor			1 sqm. (One Square metre)	
13		Providing Form work 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 supported by caurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the RCC works etc., complete complying with standard specifications and as directed by SIPCOT Officers.				

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1	2	3	4	5	6	7
		Upto Ground floor				
a	904.00 Sqm (Nine Hundred and Four Square metre only)	For Column footings, plinth beam, Grade beam, Raftbeam, Raft slab etc.,			1 sqm. (One Square metre)	
b	692.00 Sqm (Six Hundred and Ninety Two Square metre only)	Rectangular Column upto roof (GF, FF, SF)			1 sqm. (One Square metre)	
c	3352.00 Sqm (Three Thousand Three Hundred and Fifty Two Square metre only)	Ground floor to 2nd floor and terrace floor Form work and centering for roof slabs, beams , lintels etc			1 sqm. (One Square metre)	
14	99.00 MT (Ninety Nine metric Tonne only)	Supplying, fabricating and placing in position of Ribbed Tor Steels for reinforcement for all floors including cost of binding wire, bending, tying etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 MT. (One Metric Tonne)	
15	1303.00 Sqm (One Thousand Three Hundred and Three Square metre only)	Suppling and laying of Stain Free Nano Polish Vitrified Tiles 600 x 600 x 8mm in CM 1:3 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., complete complying with standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
16	218.00 Sqm (Two Hundred and Eighteen Square metre only)	Supplying and fixing of colour ceramic tiles Anti skid without corrugated design for flooring and other similar works (best approved quality colour and shade shall be got approved from the EE before using) over cement 1:3 (one cement and three of sand) 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., complete complying with standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
17	976.00 Sqm (Nine Hundred and Seventy Six Square metre only)	Supplying and fixing of colour glazed tiles (best approved quality and the same shall be got approved from the Executive Engineer before using) over cement plastering in CM 1:2 (one of cement and two of sand) 10mm thick including fixing in position, cutting the tiles to the requaired size wherever necessary, pointing the joints with Grout (Tile joint filler), curing, finishing etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
18	418.00 Sqm (Four Hundred and Eighteen Square metre only)	Supplying and laying of granite tile 10mm thick.(600x300mm) in CM 1:3, 20mm thick including fixing in position, cutting to the required size wherever necessary, pointing the joints with grout (Tile joint filler) curing, finishing etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
19	57.00 Sqm (Fifty Seven Square metre only)	Supplying and laying of colour designer tiles (eurocon) in CM 1:3 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., complete complying with standard specifications and as directed by SIPCOT Officers. Ivery granite fantasy 20mm thick.			1 sqm. (One Square metre)	

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1	2	3	4	5	6	7
20	667.00 Sqm (Six Hundred and Sixty Seven Square metre only)	Finishing the top of Terrace floor with one course of solar reflective water proof, heat proof and cool roof ceramic tiles of size 305mmx305mmx7mm thick of approved quality laid in cement mortar 1:3 (one part of cement and three parts of sand) over base concrete mixed with calcium based mineral powder (60 kg for 1000 sqft) (before laying tiles, the tiles should be dipped with salin based nano liquid) and top Grouting with cement mortar 1:3 (one part of cement and three parts of sand) mixed with white cement, silicon powder and polimer additives (20kg for 1000 sqft.) and joint pointed with zycosil oil (200gm for 1000 sqft.) after grouting acrylic salin based liquid including cost of base concrete 1:2:4 mix using 6-10mm chips - 40mm thick etc., complete complying with standard specifications including cost of all materials, labour charges for lifting to open terrace, laying and finishing and other incidental charges etc., complete and as directed by the SIPCOT officers. (The Brand and quality of tiles should be got approved from the SIPCOT officer before using).			1 sqm. (One Square metre)	
21		Plastering with CM 1:5 (One of cement and five of crushed stone sand) 12mm thick finishd with neat cement including providing band cornice, ceiling cornice, curing scaffolding etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	4727.00 Sqm (Four Thousand Seven Hundred and Twenty Seven Square metre only)	Inside			1 sqm. (One Square metre)	
b	1882.00 Sqm (One Thousand Eight Hundred and Eighty Two Square metre only)	Outside			1 sqm. (One Square metre)	
22	2115.00 Sqm (Two Thousand One Hundred and Fifteen Square metre only)	Special ceiling Plastering with CM 1:3 (One of cement and three of crushed stone sand) 10mm thick finishd with neat cement including providing band cornice, ceiling cornice, curing scaffolding etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
23	4727.00 Sqm (Four Thousand Seven Hundred and Twenty Seven Square metre only)	Painting the new walls with TWO COATS OF OIL BOUND DISTEMPER over the primer coat of white cement of approved brand over cement plastered wall surfaces including cost of paints, putty, brushes, watering, curing, etc., complete complying with standard specifications and as directed by SIPCOT Officers. (paints and its shade shall be got approved from the Executive Engineer before use).			1 sqm. (One Square metre)	

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1	2	3	4	5	6	7
24	1882.00 Sqm (One Thousand Eight Hundred and Eighty Two Square metre only)	Painting new walls two coats with ready mixed PLASTIC EMULSION PAINT of first class quality paint of approved colour and shade over a priming coat on cement plastered / concrete wall surfaces or other similar works, including cost of necessary brushes, labour charges, patty etc., complete complying with standard specifications and as directed by SIPCOT Officers.. The paint should be supplied by the contractors at his own cost. (The quality and shade of the paint should be got approved by the Executive engineer before use.)			1 sqm. (One Square metre)	
25	2115.00 Sqm (Two Thousand One Hundred and Fifteen Square metre only)	White washing three coats using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding etc., complete in all respects. - Ground floor, First floor, Second floor - as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
		Water supply arrangements				
26	66.00 Nos (Sixty Six numbers only)	Supplying and fixing of half turn C.P Long body Tap of 15mm dia of Best quality including cost of half turn CP tap with required specials and labour for fixing etc., complete complying with standard specifications and as directed by SIPCOT Officers. (The quality and brand should be got approved from Executive Engineer before use).			1 No. (One Number)	
27	59.00 Rmt (Fifty Nine Running metre only)	Supplying and fixing of 110mm dia PVC SWR pipe with ISI mark confirming to IS 13952:1992 Type 'A' for Rainwater Down fall pipe with relevant specials such as gratings, shoes, bends, offsets confirming to IS 14735 including jointing with seal ring confirming to 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 CI gratings at the junction of parapet and floor or roof slab etc., including finishing etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
28	62.00 Nos (Sixty Two numbers only)	Supplying and fixing Brass Chromium Plated Soap Tray of size 150mm x100mm including labour charges using any equipments in all etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
29	98.00 Sqm (Ninety Eight Square metre only)	Providing Solid PVC Door Shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC Sheets. Shutter using 5mm thick solid PVC Sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm with suitable rabate for housing the shutter with frame etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	

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1	2	3	4	5	6	7
30	114.00 Sqm (One Hundred and Fourteen Square metre only)	Supplying and fixing of Solid Core Flush door Shutters with teakply on both side with teakwook lipping alround 35mm thick with TW palin Labour for Wrought & Putup,Door Handle with CP screws 6' ,5" Butt Hings,6"x1/2" Tower Bolt,10"x5/8" Aldrop,Brass Screws,Rubber bush, Door Stopper including labour charges in all etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
31	4.00 Nos (Four numbers only)	Providing Rain water harvesting pit of 1m dia and 600mm depth and filling the pit with 40mm stone jelly to a depth of 300mm from the top of the augering portion and filling with filling sand to a depth of 300mm over the stone jelly and covered with the pre-cast RCC perforated slab of 40mm thick excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
32	12.00 Rmt (Twelve Running metre only)	Augering 30cm dia 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., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
33		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 etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	2.00 Cum (Two cubic metre only)	a. 2m to 3m length			1 Cum (One Cubic metre)	
b	0.5 Cum (Zero point Five cubic metre only)	b. 0m to 2m length			1 Cum (One Cubic metre)	
34		Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Window and Ventilator of casement type (open) from the profile the size of outer frame 60mm x 58mm 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. The window should be got approved from the Executive Engineer before use on work etc., complete complying with standard specifications and as directed by SIPCOT Officers.				

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1	2	3	4	5	6	7
a	269.00 Sqm (Two Hundred and Sixty Nine Square metre only)	(a) Windows			1 sqm. (One Square metre)	
b	26.00 Sqm (Twenty Six Square metre only)	(b) Ventilators			1 sqm. (One Square metre)	
35	7475.00 Kg (Seven Thousand Four Hundred and Seventy Five Kilogram only)	Supplying and fixing of iron grills for the windows & venlators using 12mm square rods & MS flat alround 18x4 mm as including one coat of red oxide primer cutting ,welding, labour for fixing etc complete in all respect as directed by the SIPCOT officer.			1 kg. (One Kilogram)	
36	299.00 Sqm (Two Hundred and Ninety Nine Square metre only)	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 and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
37	10.00 Nos (Ten numbers only)	Supply 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 varities 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 SIPCOT officers. (Tree sappling shall be got approved from EE before planting).			1 No. (One Number)	
38	10.00 Nos (Ten numbers only)	Supplying and fixing of triangular shape chicken mesh tree guard using 8cm dia casuarina 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 SIPCOT officers.			1 No. (One Number)	
39	1.00 No (One number only)	Supplying Fabrication and Erection in position of M.S. scheme name and layout board 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 PCC 1:5:10 (One of cement, five of sand 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 sand and four of 20mm HB Stone Jelly) at 0.30 x 0.30 x 0.30m above Ground level for erection, conveyance charges etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	

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1	2	3	4	5	6	7
40	658.00 Sqm (Six Hundred and Fifty Eight Square metre only)	Providing pre-constructional Antitermite treatment 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 rates 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% termicide. "Chloripyrifos" and spraying the same termicide 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 SIPCOT officers.			1 sqm. (One Square metre)	
41		Supplying and fixing of Indian Water Closet white glazed (oriya type) of size 580 mm X 440 mm of approved make with ISI mark (to be got approved from EE 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 sand 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 sand) 12mm thick mixed with water proofing compound at 2Kg / m2 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 complying with standard specifications and as directed by SIPCOT Officers.				
	5.00 Nos (Five numbers only)	a) GF			1 No. (One Number)	
	10.00 Nos (Ten numbers only)	b) Other than GF			1 No. (One Number)	
42	20.00 Nos (Twenty numbers only)	Supplying and fixing EWC superior variety (white) 500mm with PVC SWR grade 'P' or 'S' trap including cost and fixing of double flapped coloured 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 10litres capacity including fittings such as CI brackets. PVC connection GM wheel valve, Hex nipple, etc., complete complying with standard specifications and as directed by SIPCOT Officers.(The Quality and brand of EWC and plastic cover shall be got approved from the Executive Engineer before fixing)			1 No. (One Number)	
43	62.00 Nos (Sixty Two numbers only)	Supply & Fixing of Bevelled edge mirror 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 complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	

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1	2	3	4	5	6	7
44	66.00 Nos (Sixty Six numbers only)	Supplying and fixing 150mm x 100mm size stone ware Gully trap with cast iron double gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and brick masonry wall 114 mm thick using chamber burnt bricks of size 9"x4-1/2"x3" (23x11.4x7.5cm) in CM 1:5 (One of cement and five of sand) plastered with CM 1:3 (One of cement and three of sand) 12mm thick etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
45	20.00 Nos (Twenty numbers only)	Supplying and fixing of PVC Nahani Trap 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 sand and ten of 40 mm gauge brick jelly) etc., complete complying with standard specifications and as directed by SIPCOT Officers.. (The PVC Nahani Trap should be got approved from the EE before use)			1 No. (One Number)	
46	30.00 Nos (Thirty numbers only)	Supplying and fixing of porcelain Wash hand basin (white without pedestal), superior variety of size 550x400mm with all accessories such as powder coated cast iron brackets, 32mm dia C.P. waste coupling, Rubber plug and aluminium chain, 32mm dia 'B' class G.I. / PVC waste pipe, Angle Valve, 15mm dia Nylon connection including necessary, specials etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
47	2.00 Nos (Two numbers only)	Supply and fixing of SS Sink of size 1200mm x550x180mm for Kitchen and dinning area in Ground floor etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
48	185.00 Sqm (One Hundred and Eighty Five Square metre only)	Supplying and fixing of Fibre mixed precast slab of 50mm thick of all required shapes made in cement concrete 1:3:6 (One of cement, three of sand and six of 20mm HBS jelly) using 20mm hard broken stone jelly mixed with secondary reinforcement fibre of approved quality of 0.25% by weight of cement (125 gm of fibre for 1 bag i.e 50 kg 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 SIPCOT officers. (The shapes of slab and brand and quality of fibre should be got approved from the SIPCOT officer before use)			1 sqm. (One Square metre)	
49	201.00 Sqm (Two Hundred and One Square metre only)	Supplying and laying rubber moulded hydraulic pressed paver block 83 mm thick including labour charges for laying etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
50	32.00 Nos (Thirty Two numbers only)	Supplying and fixing of aluminium towel rails of 60cm long and 20mm dia with brackets, including cost of screws, TW plugs and labour charges for fixing in position etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	

No. of Corrections:
No. of over writings:

Contractor

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
51		Supplying, laying, fixing and jointing the following PVC pipes 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., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	86.00 Rmt (Eighty Six Running metre only)	a) 32mm dia ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials			1 Rmt. (One Running Metre)	
b	240.00 Rmt (Two Hundred and Forty Running metre only)	b) 25mm dia ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials			1 Rmt. (One Running Metre)	
52	630.00 Rmt (Six Hundred and Thirty Running metre only)	c) 20mm ASTM D schedule 40 threaded PVC pipe with necessary PVC/GI specials			1 Rmt. (One Running Metre)	
53		Supplying and fixing the following dia PVC (SWR) pipe 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 complying with standard specifications and as directed by SIPCOT Officers.				
a	468.00 Rmt (Four Hundred and Sixty Eight Running metre only)	a) 110mm dia PVC SWR pipe including all required PVC specials etc., all complete.,			1 Rmt. (One Running Metre)	
b	394.00 Rmt (Three Hundred and Ninety Four Running metre only)	b) 75mm dia PVC SWR pipe including all required PVC specials etc., all complete.,			1 Rmt. (One Running Metre)	
54	300.00 Rmt (Three Hundred Running metre only)	Supplying, laying and concealing the 50mm dia PVC (SWR) pipe 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 complying with standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
55	200.00 Rmt (Two Hundred Running metre only)	Supply and Delivery of DWC Structured Wall Polyethylene Piping Systems (Pipe with online/ offline coupler and elastomeric sealing ring) with required specials non-smooth external annular corrugated and smooth internal surface (Double wall) 150mm inner dia SN 8 Class pipe for non-pressure underground sewerage, drainage application generally as per IS-16098 (Part-2) type B etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
56	128.00 Rmt (One Hundred and Twenty Eight Running metre only)	Supplying and fixing of 20mm dia CPVC pipe ratio 11 high pressure rating with pipe thickness including specials etc. for hot line connection etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
57	32.00 Nos (Thirty Two numbers only)	Supplying and fixing of CP Shower arm with over head shower rose etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
58	35.00 Nos (Thirty Five numbers only)	Supplying and fixing of two way bib cock with Health faucet approved quality with ISI mark (Health faucet shall be got approved from the E.E. before use.) including all accessories etc. complete complying with relevant standard specifications and as directed by the SIPCOT officers.			1 No. (One Number)	
59	99.00 MT (Ninety Nine metric Tonne only)	Applying one coat of anticorrosive treatment on steel reinforcement rods (20 ltrs. Of anitcorrosive chemical for one mertic tonne of steel reinforcement rods) at site including a cost of required quantity of anticorrosive chemicals, (best approved quality) cement, consumables such as brushes, gloves and labour for anticorrosive coating etc., complete complying with standard specifications and as directed by SIPCOT Officers. (The Quantity and brand of anticorrosive chemical should be got approved by the EE before use).			1 MT. (One Metric Tonne)	
60	10.00 Nos (Ten numbers only)	Providing construction of Inseption chamber size 0.60x0.60x0.75m including E.W AND REFILLING, C.C(1:8:16)USING 40mm B.J METAL, B.W IN C.M (1:5), PLASTERING IN C.M (1:3) 12 mm Tk, R.C.C (1:2:4) PETTY WORKS,(50mmTk PCC SLAB) in all etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
61	2.00 Nos (Two numbers only)	Supplying and fixing of manhole cover with Frame arrangements of approved quality and brand of size 0.6mx0.6m (HD) as per standard specifications including cost of material, labour charges for fixing etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
62	10.00 Nos (Ten numbers only)	Supplying and fixing of SFRC manhole cover of approved quality and brand of size 0.6mx0.6m as per standard specifications including cost of material, labour charges for fixing etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
63	6.00 Nos (Six numbers only)	Supply and delivery of Sanitary Inceneratorator as per standard specifications including cost of material, labour charges for fixing etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
64	1.00 No (One number only)	<p>Design, supply, Delivery, installation and commissioning of Passenger Lift (Brand: Johnson / Kone / OTIS) of capacity 13 persons as per the following specifications.</p> <p>1. Type of Lift : Passenger MRL</p> <p>2. Load / Speed: 13 persons / 1.00m per second.</p> <p>3. Drive: Micro Processor based VVVF</p> <p>4. Travel / Pit / Head room: 14.4m / Pit 1400mm / Head room 4000mm</p> <p>5. Number of Floors: 11 (Stilt + 10 upper floors)</p> <p>6. Floor Display Chart: S,1,2,3,4,5,6,7,8,9,10. Number of Landing Entrances: (Stilt + 10 upper floors)</p> <p>7. Number and entrances: 1 (One), In Front only</p> <p>8. Position of Machinery: Directly above the lift well Gearless</p> <p>9. Size of Lift Well: 2430 x 2430mm Position of car</p> <p>10. Lin car inside size 2000 x 1100 x 2200mm</p> <p>11. Clear opening of Gates / Doors / Lintel 800x 2000mm, Lintel - 2200mm</p> <p>12. Type of Design of Lirf car: Stainless steel 1.5mm - Hairline finish</p> <p>13. Car ceiling/ Car flooring Integrated ceiling with RL 20F - Granite flooring 20mm recess</p> <p>15. Car fittings: RL 20F / Fan - Axial Now 1000 cum / Hour</p> <p>14. Type of Car Front Entrance protection: Power operated Centre Opening sliding door - Stainless steel - Halrline finish (Silver standard)</p> <p>15.Lariding Entrance Protection (S,1,2,3,4,5,6,7,8,9,10) door - stainless steel (1.5mm) - Hairline inlsh</p> <p>16. Landing entrance protection (S,1,2,3,4,5,6,7,8,9,10):</p> <p>17. Landing door frame (S,1,2,3,4,5,6,7,8,9,10): Stainless steel Hairline finish</p> <p>18. Type of Control system : Micro Processor baned simplex selective collective control with / without attendant</p> <p>19. Car safety gear type: Progressive gear type</p> <p>20. Electric supply: AC 415 volts, 3 phase, 50 cycles.</p> <p>Special Inclusions: 1. Battery Operated Emergency Light and Alarm bell 2. Call Register signal and Vr door operator 3. Landing push button in landing Door frames 4. Automatic Rescue Device Push button- 5. Illumination 6. Full car operating panel 7. Dot matrix LED, D& P indicators in car & landing, - orange colour 8. Floor annunciator 9. Firemans switch 10. False ceiling in car 11. Infra Red Door screen 12. Overload warning indicator 13. Scaffolding 14. 3 way intercoin / Press and speak phone 15 Free servich for one year 16. Pit Ladder 17. SS Handrail 18. LIA license 19 Minor builders work 20. Stainless steel Braille button with SS Cover and etc., complete complying with standard specifications and as directed by SIPCOT Officers. (The quality and brand should be got approved from the EE before fixing) Earthing, Shaft, Machine power mains as per CEIG norms</p>			1 No. (One Number)	
		Section I - 64 Items (Sixty Four Items only)			Sub Total-I	

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Contractor

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
II. Electrical Works						
		POINT WIRING				
1	720.00 Points (Seven Hundred and Twenty points only)	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with switch box and 5A FT switch and making good of the concealed portion with suitable colour for PVC concealed light / fan Point (for electronic regulator) & Exhaust Fan Point etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
2	108.00 Points (One Hundred and Eight points only)	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with switch box and 5A FT switch and making good of the concealed portion with suitable colour for PVC concealed light (for rooms like bath, toilet & pumproom, etc.) point etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
3	14.00 Points (Fourteen points only)	Wiring with 3 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 3mm thick hylem sheet coveredswitch box and 5A FT switch (two way) with continuous earth wire connection by 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed staircase light point etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
4	133.00 Points (One Hundred and Thirty Three points only)	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm switch box with 3mm thick hylem sheet cover for 5A 3 pin non inter locking wall socket with 5A flush type switch with continuous earth wire connection of 14 SWG TC wire/(1 X 1.5 Sqmm copper wire) and making good of the concealed portion with suitable colour for concealed PVC Indipendent plug point etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
5	171.00 Nos (One Hundred and Seventy One Numbers only)	Supply and fixing of 5A 3 pin and 2 pin combined flush type wall socket with 5A flush type switch concealed in suitable MS box in flush with wall and concealed with 3mm thick hylem sheet (Switch Board Itself) etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	

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Contractor

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
		POWER SOCKET & CIRCUIT MAINS				
6	67.00 Points (Sixty Seven points only)	Wiring with 2 x 4 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm switch box with 3mm thick hylem sheet for 15A 3 pin non inter locking wall socket with 15A flush type switch with continuous earth wire connection of 14 SWG TC wire/(1 X 1.5 Sqmm copper wire) and making good of the concealed portion with suitable colour for concealed Power plug and AC Point etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
7	8.00 Points (Eight points only)	Supply and fixing of 5A / 15A 3 pin combined flush type wall socket with 15A flush type switch concealed in suitable MS box in flush with wall and covered with 3mm thick hylem sheet (Switch Board Itself) etc., complete complying with standard snecifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
8	156.00 Points (One Hundred and Fifty Six points only)	Supply and fixing of 3 Nos. 5A (3 pin and 2 pin) combined flush type wall socket with control switches concealed in suitable TW box covered with hylem sheet in flush with wall with earth connection (for computer plug socket) etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
9	594.00 Rmt (Five Hundred and Ninety Four Running metre only)	Supply and run of 2 of 2.5 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 1 x1.5 sqmm wire and making good of the concealed portion with suitable colour for circuit main etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
10	364.00 Rmt (Three Hundred and Sixty Four Running metre only)	Supply and run of 2 of 4 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 1X2.5sqmm wire and making good of the concealed portion with suitable colour etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
11	36.00 Rmt (Thirty Six Running metre only)	Supply and run of 2 of 6 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 1X2.5sqmm wire and making good of the concealed portion with suitable colour etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
12	49.00 Nos (Forty Nine Numbers only)	Supply and fixing of 20A DP plug and socket in sheet enclosure with 32A DP MCB in flush with wall with earth connection (For AC Plug Point) etc., complete in all respects complying with relevant standard specifications.			1 No. (Each)	
13	1.00 Nos (One Numbers only)	Supply and fixing of 32A,DP MCB sheet enclosure in flush mounting with wall with earth connection (For UPSIncoming Plug point)at Electrical room etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
14	12.00 Nos (Twelve Numbers only)	Supply and fixing of 40A DP MCB sheet steel enclosure in flush mounting on the wall with earth connection (For Water heater Plug point) bath room area etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
15	1.00 Nos (One Numbers only)	Supply and fixing of 32A,4P MCB sheet enclosure in flush mounting with wall with earth connection at Terrace floor Room etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
16	1.00 Nos (One Numbers only)	Supply and fixing of 63A,4P MCB sheet enclosure in flush mounting with wall with earth connection (For LIFT Incoming Plug point) at lift head Room etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
		CEILING FAN & EXHAUST FANS				
17	195.00 Nos (One Hundred and Ninety Five Numbers only)	Supply and fixing of 1200mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator with 1 metre down rod with fan clamp etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
18	81.00 Nos (Eighty One Numbers only)	Supply and fixing of 300mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall etc., complete complying with standard specifications and as directed by SIPCOT Officers..			1 No. (Each)	
19	9.00 Nos (Nine Numbers only)	Supply and fixing of 450mm (18") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
20	81.00 Nos (Eighty One Numbers only)	Supply and fixing of louvers shutters arrangements for 300mm (12") sweep (light duty) AC exhaust fan etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
21	9.00 Nos (Nine Numbers only)	Supply and fixing of light trap (louvers shutters) arrangements for 450mm (18") sweep exhaust fan etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
22	6.00 Nos (Six Numbers only)	Supply and fixing of 1500W automatic electric water heater of 35 litres capacity suitable for 230V 50 c/s AC supply on suitable MS clamps with 3 core flex wire but without plumbing connection etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
23	6.00 Nos (Six Numbers only)	Supply and fixing of 1000W automatic electric water heater of 25 litres capacity suitable for 230V 50 c/s AC supply on suitable MS clamps with 3 core flex wire, but without plumbing work etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
24	6.00 sets (Six sets only)	LIGHTING DISTRIBUTION BOARD(LDB): 2 nos Each Floors			1 Set (One Set)	
		4 WAY TPN 3 TIER MCB DB (7 Segment DB)				
		INCOMER : 40AMPS TPN MCB of C Curve- 01 No.				
		OUTGOING 25AMPS DP 30mA RCCB- 03 Nos.				
		: 6 AMPS SP MCB of C Curve- 12 Nos.				

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1	2	3	4	5	6	7
25	6.00 sets (Six sets only)	POWER DISTRIBUTION BOARD(PDB): 2 nos Each Floors etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers. 4 WAY TPN 3 TIER MCB DB (7 Segment DB) INCOMER : 63 AMPS TPN MCB of D Curve- 01 No. OUTGOING : 63AMPS DP 30mA RCCB .. 03 Nos. : 32 - 40 AMPS SP MCB of D Curve . 12 Nos.			1 Set (One Set)	
26	1.00 set (One set only)	VERTICAL POWER DISTRIBUTION BOARD(VPDB) : at Kitchen etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers. 12WAY TPN VERTICAL TYPE MCB DB INCOMER: 125 AMPS TPN MCCB 25 KA (Ics) -1No, OUTGOINGS :16 - 40AMPS TP MCB of D Curve . 12Nos.			1 Set (One Set)	
27	2.00 sets (Two sets only)	EMERGENCY LIGHTING DB(ELDB)at Electrical Room & Terrace Floor etc., complete in all respects complying with relevant standard specifications. 12 WAY SPN MCB DB INCOMER : 25 AMPS DPMCB .. 01 No. OUTGOING : 6-16AMPS SP MCB of C Curve .. 12 Nos.			1 Set (One Set)	
28	95.00 Nos (Ninety Five Numbers only)	LIGHT FIXTUES Supply and fixing of ceiling fixture 250 / 300mm complete with gallery etc clear glass Opac / Crystal suitable for 40W / 60W bulb with bulb or equivalent LED DOWN LIGHT etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
29	303.00 Nos (Three Hundred and Three Numbers only)	Supply and fixing of single box type 4'36W fluorescent fitting complete with electronic ballast with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting or equivalent 1 X 28w LED tube light fitting etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
30	16.00 Nos (Sixteen Numbers only)	Supply and fixing of 4'40W twin box type fluorescent fittting complete with copper choke and condensor with conduit pipe suspension from ceiling with PVC unsheathed copper leads from terminals to the fitting with fluorescent Tubes for staircase or equivalent LED 2X 28w fitting etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
31	11.00 Nos (Eleven Numbers only)	Supply and fixing of 4'40W twin industrial type fluorescent fitting complete copper choke and condensor with conduit pipe suspension from the ceiling with PVC unsheathed copper leads from the terminals to the fitting with fluorescent Tube light or equivalent LED 2X 28w fitting for KITCHEN etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
32	16.00 Nos (Sixteen Numbers only)	Supply and fixing of 4'40W twin street light fluorescent fitting complete with copper choke and condensor with 19mm dia GI pipe (Class 'B') with 1 No. 19mm GI bend complete on the existing post / wall with 16A aerial fuse unit on MS plate with PVC unsheathed copper leads with MS clarnps and aluminium painting with fluorescent tubelights or equivalent25w LED Street light fitting for Builder outer light fixed on the wall etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
		TELEPHONE WIRING				
33	47.00 Points (Forty Seven points only)	Supplying,erecting and connectingTelephonesockets of RJ11 inMSmounting box etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
34	53.00 Rmt (Fifty Three Running metre only)	Supplying,wiring 4Pair telephone cables unarmoured 0.5mm in already laid in PVC conduit concealed in wall/ ceiling necessaryclamps, screws,etc. with necessary accessories etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
35	106.00 Rmt (One Hundred and Six Running metre only)	Supplying, wiring and connecting 2 Pair telephone cables ie half rate due to unarmoured in already laid in PVC conduit concealed in wall/ ceiling necessaryclamps, screws,etc. with necessary accessories etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
36	2.00 Points (Two points only)	Supplying, erecting and connecting Cable tv I/O sockets of RJ45 in MS mounting box etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	
		EMPTY CONDUITS				
37		Supplying and laying the following 2mm thick ISI PVC / MS Conduits concealed / open in wall/ceiling with necessary clamps, screws etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.				
a	6.00 Rmt (Six Running metre only)	19mm DIA MS CONDUITS			1 Rmt. (One Running Metre)	
b	6.00 Rmt (Six Running metre only)	25mm DIA MS CONDUITS			1 Rmt. (One Running Metre)	
c	36.00 Rmt (Thirty Six Running metre only)	19mm DIA PVC CONDUITS			1 Rmt. (One Running Metre)	
d	72.00 Rmt (Seventy Two Running metre only)	25mm DIA PVC CONDUITS			1 Rmt. (One Running Metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
		EARTHING				
38	1.00 No (One Number only)	Supplying, installing and connecting a Copper plate earthing of size600mm.x 600 mm.x 3.15mm. at adepth of 2000 mm. in an earthpit of 700 x 700 x 2500 mm.filled with saltand charcoal mixedwith sand in alternat layers 150 mm. each upto a height of 2000mm. from bottom. The GI pipe shall have provision forwatering through a funnel. It shall also have provision for connecting 50 x 6 mm. Copper Flat on two sides. SS nuts &bolts for connection to the equipment / interconnection to theother pits to form equipotential bonding. A masonry strucutre shall be constructed to a depth of 750mm. and aheavy duty CI Cover shall be used to cover the pit. The cost ofdigging and back filling shall also be included. Sand, salt and charcoal are in the Contractor's scope etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
39	6.00 Nos (Six Numbers only)	Earthing as per the ISI specification with an earth electrode of 2.10 metre Class 'B' GI pipe of dia not less than 40mm with copper earth plate of size 125mm x 50mm x 6mm with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
40	68.00 Rmt (Sixty Eight Running metre only)	Supply and run of 1 of No.8 SWG GI wire for earth connection etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
41	36.00 Rmt (Thirty Six Running metre only)	Supply and run of 25mm x 3mm tinned copper flat with necessary clamps / supports on wall / floor / ground for earth connection etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
42	24.00 Rmt (Twenty Four Running metre only)	Supply and run of 25mm x 6mm tinned copper flat with necessary clamps / supports on wall / floor / ground for earth connection etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Rmt. (One Running Metre)	
		L T PANELS				
43	1.00 set (One set only)	MAIN MV PANEL atGround Floor,CABLE ENTRY : TOP / Bottom			1 Set (One Set)	
		Supplying, erecting, testing and commissioning of FLOOR MOUNTED CUBICLE TYPE MAIN POWER PANEL necssary foundation channels, etc.The cost shall also including unloading, positioning, etc., complete in all respects complying with relevant standard specifications. The Board shall be incorporated with the following:-				
		All MCCBs shall be of Thermal Magnetic Type with adjustable overloads and fixed short circuits.				
		INCOMING :				
		250AMPS 4PMCCB 50 KA(Ics) Withstanding Capacity..1No. For EB				
		125AMPS 4P MCCB 50 KA(Ics) Withstanding Capacity..1No. For DG				
		(BOTH ARE MECHANICALLY INTERLOCKED)				
		OUTGOING :				
		125 AMPS TP+N MCCB 36 KA(Ics) --2 Nos				

No. of Corrections:
No. of over writings:

Contractor

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
		100 AMPS TP+N MCCB 36 KA(Ics) -1No				
		63 AMPS TP+N MCCB 36 KA(Ics) --7 Nos				
		BUSBARS : ALUMINUM--RATING :400 AMPS				
		The Phase Bus bar shall be of 3R 50 x10mm. and the Neutralbar shall be1R 50 x6 mm.				
		The Earth Bus bar shall be 2 Runs of 25 x 6mm.				
		One set of Metering Compartmentincorporated with the following:-				
		i) 3 Nos Single Core Tape wound CTs of ratio 250 / 5 A ofClass 1.0 for measurementThe CT burden shall be 15 VA.				
		ii)1No Class1,72 Sqmm.Digital Muilt function meterwithRS485C port(V.A,f,PF,Kwhr)				
		iii)RYB Indicating Lamps of LED Clustered type andControl MCBs shall be provided.				
44	1.00 set (One set only)	MAIN LIGHTING PANEL at Ground Floor CABLE ENTRY : TOP / Bottom etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Set (One Set)	
		INCOMING :100 AMPS TPN MCCB 36 KA(Ics) Withstanding Capacity. 1No.				
		OUTGOING :40AMPS TPN MCB 25 KA(Ics) Withstanding Capacity. 11Nos.				
		BUSBARS : ALUMINUM--RATING :250 AMPS				
		hePhase Bus bar shall be of 3R30 x6mm.and the Neutralbar shall be1R25 x6 mm.				
		The Earth Bus bar shall be 2 Runs of 25 x3mm.				
		One set of Metering Compartmentincorporated with the following:-				
		i) 3 Nos Single Core Tape wound CTs of ratio 250 / 5 A ofClass 1.0 for measurementThe CT burden shall be 15 VA.				
		ii)1No Class1,72 Sqmm.Digital Muilt function meterwithRS485C port(V.A,f,PF,Kwhr)				
		iii)RYB Indicating Lamps of LED Clustered type andControl MCBs shall be provided.				
45	1.00 set (One set only)	25KVAR APFC PANEL at Ground FloorCABLE ENTRY : TOP etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Set (One Set)	
		INCOMER :100AMPS TNPMCCB of 36 KA (Ics)withstanding capacity ... 1No.				
		32Amps TPMCB with 20 AMPS TPContactor,Thermal Over load relays.The Coil				
		415Volts AC, 10KVAR CAPACITOR with ON/OFF Iluminated pushbuttons- 01 Set				
		25Amps TPMCB with 10 AMPS TPContactor,Thermal Over load relays.The Coil				
		415Volts AC, 5KVAR CAPACITOR with ON/OFF Iluminated pushbuttons- 02Set				
		16Amps TPMCB with 10 AMPS TPContactor,Thermal Over load relays.The Coil				
		415Volts AC, 3KVAR CAPACITOR with ON/OFF Iluminated pushbuttons- 01 Set				
		10Amps TPMCB with 6 AMPS TPContactor,Thermal Over load relays.The Coil				

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
		415Volts AC, 2KVAR CAPACITOR with ON/OFF Illuminated pushbuttons- 01 Set				
		A 5 Stage APFC Relay with transducer shall be incorporated to maintain the power factor. The Panel shall also be made suitable to accommodate the following Capacitor Banks with all interconnections.				
		10 KVAR Detuned 7% Harmonic filter Reactor at 440V and 525V heavy duty				
		Rectangular Capacitor- 01 Nos.				
		5 KVAR Detuned 7% Harmonic filter Reactor at 440V and 525V heavy duty				
		Rectangular Capacitor- 02 Nos.				
		3KVAR Detuned 7% Harmonic filter Reactor at 440V and 525V heavy duty				
		Rectangular Capacitor- 01 Nos.				
		2KVAR Detuned 7% Harmonic filter Reactor at 440V and 525V heavy duty				
		Rectangular Capacitor- 01 Nos.				
		One set of Metering Compartment incorporated with the following:-				
		i) 3 Nos Single Core Tape wound CTs of ratio 250 / 5 A of Class 1.0 for measurement The CT burden shall be 15 VA.				
		ii) 1 No Class 1, 72 Sqmm. Digital Multi function meter with RS485C port (V, A, f, PF, Kwhr)				
		iii) RYB Indicating Lamps of LED Clustered type and Control MCBs shall be provided.				
46	1.00 set (One set only)	CT- METERING PANEL: at EB ROOM			1 Set (One Set)	
		INCOMING : 250AMPS 4PMCCB 50 KA. 1 No.				
		300A FUSE CUT OUT- 3 Nos				
		200/5A - Current transformer. (Rating should be confirmed and tested by TNEB Authorities) with connecting terminal block and required copper busbar etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers				
		CABLE LAYING & END TERMINATION				
47		Supply and laying of PVC LTUG aluminium armoured cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 metre layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers				
a	12.00 Metres (Twelve metres only)	2 c 4 Sq.mm. CU Armoured Cable			1 Mtr. (One Metre)	
b	12.00 Metres (Twelve metres only)	4 X 10 sq.mm PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
c	12.00 Metres (Twelve metres only)	4 x 16 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
d	10.00 Metres (Ten metres only)	3-1/2 x 50 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
e	24.00 Metres (Twenty Four metres only)	3-1/2 x 70 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
f	32.00 Metres (Thirty Two metres only)	3-1/2 x 120 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
48		Supply and clarnping of PVC LTUG armoured cable on post or on wall with MS clamps etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.				
a	96.00 Metres (Ninety Six metres only)	4x 10 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
b	90.00 Metres (Ninety metres only)	4 x 16 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
c	36.00 Metres (Thirty Six metres only)	3-1/2 x 50 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
d	16.00 Metres (Sixteen metres only)	3-1/2 x 70 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
e	20.00 Metres (Twenty metres only)	3-1/2 x 120 sq.mm. PVC LTUG aluminium armoured cable			1 Mtr. (One Metre)	
49		Supply and providing CABLE END TERMINATION of PVC LTUG aluminium armoured cable with necessary aluminium cable sockets by crimping etc with electrical connection complete etc., complete in all respects complying with relevant standard snecifications and as directed by SIPCOT Officers.				
a	18.00 Nos (Eighteen Numbers only)	3-1/2 x 25 sq.mm. PVC LTUG aluminium armoured cable			1 No. (Each)	
b	4.00 Nos (Four Numbers only)	3-1/2 x 50 sq.mm. PVC LTUG aluminium armoured cable			1 No. (Each)	
c	6.00 Nos (Six Numbers only)	3-1/2 x 70 sq.mm. PVC LTUG aluminium armoured cable			1 No. (Each)	
d	4.00 Nos (Four Numbers only)	3-1/2 x 120 sq.mm. PVC LTUG aluminium armoured cable			1 No. (Each)	
		LIFT WIRING: MS CONDUIT.				
50	3.00 Points (Three points only)	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable heavy gauge MS conduit pipe on wall and ceiling with MS accessories with MS switch Box and 5A FT switch with painting of suitable colour continuous earth wire connection of 14 SWG TC wire for light point etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers			1 POINT (One Point)	
51	3.00 Points (Three points only)	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable heavy gauge MS conduit pipe on wall and ceiling with MS accessories with 150mm x 100mm x 75mm MS switch box inflush with wall with 3mm thick hylum sheet cover for 5A 3pin non interlocking flush type CS plug with painting of suitable colour with continuous earthwire connection of 14SWG TC wire for open plug point etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 POINT (One Point)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
52	3.00 Nos (Three Numbers only)	Supply and fixing of WT bulk head fitting with guard suitable for 11W CFL lamp including lamp etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
		SAFETY EQUIPMENTS				
53	1.00 No (One number only)	Supplying, erecting and connecting a4.5Kg CO2 FIRE EXTINGUISHER properly fixed on the wall with necessary clamps, screws, bolts and nuts etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
54	1.00 Nos (One Numbers only)	Supplying of Treatment Chart in English and Tamil directly fixed onto the wall etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (Each)	
55	1.00 set (One set only)	Supplying, and laying ISI Marked2MX1M Rubber mats for LT Panel Boards. (1set=5nos.) etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Set (One Set)	
56	2.00 Nos (Two numbers only)	Supplying and fixing 440 V Danger Board etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
57	3.00 Nos (Three numbers only)	First Aid Box with all medicines-EB room, Warden room & HC etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
58	1.00 set (One set only)	Supplying,andfixing fire buckets made out of 40x40x6mm MS angle &Filled sand with necessary accessories.-4nos. Set etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Set (One Set)	
59	2.00 sets (Two sets only)	Hand Gloves 11 kv grade etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Set (One Set)	
		Perforated Powder Coated GI hot dip 16swg CableTrays				
60		Supply and installation of following sizes of perforated Powder coated Cable trays of 2mm thickness and 50mm hight for supporting cables inclusive of pre-fabricated clamps, couplers, nuts, bolts , GI fasteners and other accessories complete & as required etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers				
a	30.00 Rmt (Thirty Running metre only)	300 x 50mm Size			1 Rmt. (One Running Metre)	
b	40.00 Rmt (Forty Running metre only)	150 x 50mm Size			1 Rmt. (One Running Metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
		Ladder Type MS CableTrays				
61	30.00 Kg (Thirty Kilogram only)	Supply and installation of following sizes of perforated Ladder Type MS CableTrays inclusive of fabricated clamps, couplers, nuts, bolts , GI fasteners and other accessories complete & as required etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers. 300 x 50mmx 2mm Size 450 x 50mm x2mm Size			1 kg. (One Kilogram)	
		62.5KVA DG Set				
62	1.00 set (One set only)	Supply, installation, testing and commissioningof 62.5 kva silent type water cooled diesel driven generating set conforming to CPCB 2 norms comprising of radiator, 4 stroke multi cylinder engine of suitable BHPto deliver rated kva at prevailing site conditions equipped with fly wheel, residential type silencer, feul governer, fuel pump, built in fuel tank, electric starting equipments with required nos of suitable AH Sealed maintence free batteries etc., directly coupled to 62.5 KVA, 415Vat 1500 Rpm, 0.8pf Alternator suitable for 3phase, 4wire 50hz AC Supplysystem with the entire system mounted on common base frame etc., on an existing foundation, exhaust piping with thermal insulation, control wiring from alternator to control panel, acoustic enclosure,etc., as specified and consisting of AMF Panel as per specification given below etc., as required. 200A-4POLE, MCCB, 50KA, 415V as an incomer 255A power contactor withinterlocking arrangements with Automatic Mains Failure function unit for emergency and stand by power supply etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Set (One Set)	
		EXHAUST SYSTEM				
63	6.00 sets (Six sets only)	Supply and erection of residential silencer and cladding of silencer. The silencer shall be placed above the enclosureor 62.5 KVA D G set etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Set (One Set)	
64	4.00 Cum (Four cubic metre only)	Excavation for foundation in soft soil including dressing of sides and ramming of bottom, lift up to 1.5m including getting out the excavated soil and disposal of surplus soil as directed with in a lead of 50 metres (=3.0*1.8*.65) etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
65	1.00 Cum (One cubic metre only)	Providing and laying in position cement concrete1:4:8 in foundation DG Set including form work etc., as required for 3000mm x 1800mm x150mm etc., complete in all respects complying with relevant standard specifications.			1 Cum (One Cubic metre)	
66	6.00 Cum (Six cubic metre only)	Providing and laying in position cement concrete1:2:4 in foundation DG Set including form work etc., as required for 3000mm x 1800mm x1000mm etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
67	6.00 Metres (Six metres only)	Providing laying and fixing 300mm dia RCC Hume Pipe NP2 Class - IS 458/2003 in ground complete withRCC Collers, jointing with cement mortar1:2 including trenching earthwork 750mm deep and refilling etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Mtr. (One Metre)	
68	6.00 Metres (Six metres only)	Providing laying and fixing 100 mm dia GI Pipe B (medium class)in ground complete including trenchingearth work 750mm deep and refilling etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 Mtr. (One Metre)	
		Section II - 68 Items (Sixty Eight Items only)			Sub Total-II	
III. Circular Sump						
1		Earthwork excavation in hard stiff clay, black cotton, hard red earth, shales, murrams, ordinary gravel stoney earth murrams, ordinary gravel stoney earth mixed with 50% fair sized boulders etc., with an initial lead of 10m and lift of 2m. and as directed by SIPCOT officers. For Foundation				
	73.00 Cum (Seventy Three cubic metre only)	First depth of 0 to 2 m			1 Cum (One Cubic metre)	
	22.00 Cum (Twenty Two cubic metre only)	2nd depth of 2m to 3m			1 Cum (One Cubic metre)	
2		Levelling coarse in cement concrete 1:4:8 (one cement,four sand and eight aggregate using 40mm hard broken stone for foundation and leveling coarse inclusive of shoring,strutting,bailing out water, ramming, curing, materials, finishing etc., complete and as directed by SIPCOT Officers.				
	4.00 Cum (Four cubic metre only)	PCC Laying (beyond 1.5 m from GL)			1 Cum (One Cubic metre)	
3		Reinforced Cement Concrete with M25design mix for the following members excluding the cost of reinforcement and fabricating, centering, shuttering and strutting charges but including the cost all materials mixing ,placing in position, lifting, vibrating, finishing & curing, etc. complete.and as directed by SIPCOT Officers.				
a	21.00 Cum (Twenty One cubic metre only)	Beyond 1.50 m & upto 4.50 m below GL			1 Cum (One Cubic metre)	
b	7.00 Cum (Seven cubic metre only)	Upto 1.50 m above GL			1 Cum (One Cubic metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
4		Supply and erection of steel centering, shuttering for soffits and sides including necessary supports andstrutting for all RCC works using MS sheets of suitable size of BG 10 stiffened with MS angle of size 25 X 25 X 3mm for boarding laid over Silver Oak joists of size 10cm X 6.5cm space at 10cm c/c and supported by Casurino Props 10cm - 13cm spaced at 75cm c/c etc., complete and as directed by SIPCOT officers.				
a	5.00 Sqm (Five Square metre only)	For Plane Surface			1 sqm. (One Square metre)	
b	60.00 Sqm (Sixty Square metre only)	For Curved Surface			1 sqm. (One Square metre)	
5		Supplying, fabricating and placing in position of RTS rods for reinforcement including cost of steel and binding wire, labour charges etc., complete for RCC works and as directed by SIPCOT officers. For RCC Works				
	2.50 MT (Two point Five metric Tonne only)	Upto 16 mm dia			1 MT. (One Metric Tonne)	
6	129.00 Sqm (One Hundred and Twenty nine square metre only)	Special Plastering with CM 1:3 (One of cement and three of crushed stone sand) 10mm thick finishd with neat cement for walls and floor including curing etc., complete in all repects and complying with relevant standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
7	2.00 Nos (Two numbers only)	Providing and fixing of cut stone (Rough dressed) set in CM 1:3 of size 0.45 X0.45 X 0.15M at site including cost of all materials, labour charges, curing etc., complete and as directed by SIPCOT officers.			1 No. (One Number)	
8	2.00 Nos (Two numbers only)	Providing PVC ventilating arrangements as perTWAD Manual using 110 mm PVC cowl with mosquito net etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
9	2.00 Nos (Two numbers only)	Supply,Delivery and fixing of SFRC Manhole frame with cover of following size including cost of all materials, fixing of MS clamps,Bolt and nuts etc.,complete and as directed by SIPCOT Officers. Size 0.60m x0.60m			1 No. (One Number)	
10	8.00 Sqm (Eight Square metre only)	Providing Colour washing two coats using EMELSON paint including cost of cost of all materials, labour charges, etc., complete and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
11	1.00 No (One number only)	Supply, delivery and fixing of RCC inside Access ladder suitable for Sump with storage depth of 4.0m with Hand rails 2 nos. of size 0.15x0.15x4.56m with steps of size 0.15x0.05x0.45m at an intenrval of 0.3m c/c using M30 concrete and RTS reinforcement with main rod of 8mm 4 nos. for each Hand rails and 8mm stirrups at 0.15m c/c and with main rod of 8mm 2 nos. for each step with 8mm distributer at 0.1m c/c including cost of all materials, moulding charges, all labhour charges finishing curing etc.. complete as directed by SIPCOT officers.			1 No. (One Number)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
12	1.00 No (One number only)	Supply, delivery and fixing of outside MS Ladder of size 45cm clear wide out of 50mm x 50mm x 6mm MS angle for sides and steps in 16 joined etc., providing with suitable side supports, clamps and locking arrangements provided with two coats of approved enamel paint over one coat of redoxide paint, for providing access to roof top of sump of suitable inclined length, including bottom anchorage and transportation and as directed by SIPCOT officers. The rate includes concrete bed block of suitable size with necessary anchor bolts.			1 No. (One Number)	
13	21.00 Cum (Twenty One cubic metre only)	Refilling the foundationwith excavated soil (other than sand) in layers of not more than 15cm thick watering,well ramming,consolidation complying with standard specification and as directed by SIPCOT officers.			1 Cum (One Cubic metre)	
14	3.00 Sqm (Three Square metre only)	Painting emblem on the sump as directed by SIPCOT officers.			1 sqm. (One Square metre)	
		Section III - 14 Items (Fourteen Items only)			Sub Total-III	
IV. Septic Tank						
1		Earthwork excavation in hard stiff clay, black cotton, hard red earth, shales, murrams, ordinary gravel stoney earth murrams, ordinary gravel stoney earth mixed with 50% fair sized boulders etc., with an initial lead of 10m and lift of 2m. and as directed by SIPCOT officers. For Foundation				
	79.00 Cum (Seventy Nine Cubic metre only)	First depth of 0 to 2 m			1 Cum (One Cubic metre)	
	5.00 Cum (Five Cubic metre only)	2nd depth of 2m to 3m			1 Cum (One Cubic metre)	
2		Levelling coarse in cement concrete 1:4:8 (one cement,four sand and eight aggregate using 40mm hard broken stone for foundation and leveling coarse inclusive of shoring,strutting,bailing out water, ramming, curing,materials, finishing etc., complete and as directed by SIPCOT Officers.				
	4.00 Cum (Four Cubic metre only)	PCC Laying (beyond 1.5 m from GL)			1 Cum (One Cubic metre)	
3		Reinforced Cement Concrete with M20design mix for the following members excluding the cost of reinforcement and fabricating, centering, shuttering and strutting charges but including the cost all materials mixing ,placing in position, lifting, vibrating, finishing & curing, etc. complete. and as directed by SIPCOT Officers.				
a	27.00 Cum (Twenty Seven Cubic metre only)	Beyond 1.50 m & upto 4.50 m below GL			1 Cum (One Cubic metre)	
b	8.00 Cum (Eight Cubic metre only)	Upto 1.50 m above GL			1 Cum (One Cubic metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
4		Supply and erection of steel centering, shuttering for soffits and sides including necessary supports and strutting for all RCC works using MS sheets of suitable size of BG 10 stiffened with MS angle of size 25 X 25 X 3mm for boarding laid over Silver Oak joists of size 10cm X 6.5cm space at 10cm c/c and supported by Casurino Props 10cm - 13cm spaced at 75cm c/c etc., complete and as directed by SIPCOT officers.				
a	139.00 Sqm (One Hundred and Thirty Nine Square metre only)	For Plane Surface			1 sqm. (One Square metre)	
5		Supplying, fabricating and placing in position of RTS rods for reinforcement including cost of steel and binding wire, labour charges etc., complete for RCC works and as directed by SIPCOT officers. For RCC Works				
	3.00 MT (Three metric Tonne only)	Upto 16 mm dia			1 MT. (One Metric Tonne)	
6	86.00 Sqm (Eighty Six Square metre only)	Special Plastering with CM 1:3 (One of cement and three of crushed stone sand) 10mm thick finishd with neat cement for walls and floor including curing etc., complete in all respects and complying with relevant standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
7	2.00 Nos (Two numbers only)	Providing and fixing of cut stone (Rough dressed) set in CM 1:3 of size 0.45 X0.45 X 0.15M at site including cost of all materials, labour charges, curing etc., complete and as directed by SIPCOT officers.			1 No. (One Number)	
8	2.00 Nos (Two numbers only)	Providing PVC ventilating arrangements as perTWAD Manual using 110 mm PVC cowl with mosquito net etc., complete in all respects complying with relevant standard specifications and as directed by SIPCOT Officers.			1 No. (One Number)	
9	2.00 Nos (Two numbers only)	Supply, Delivery and fixing of SFRC Manhole frame with cover of following size including cost of all materials, fixing of MS clamps, Bolt and nuts etc., complete and as directed by SIPCOT Officers. Size 0.60m x0.60m			1 No. (One Number)	
10	46.00 Sqm (Forty Six Square metre only)	Providing Colour washing two coats using EMULSION paint including cost of cost of all materials, labour charges, etc., complete and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
11	7.00 Nos (Seven numbers only)	Supply, delivery and fixing of PVC mould CI steps inside the tank including cost of all materials, labhour charges finishing etc., complete as directed by SIPCOT officers.			1 No. (One Number)	
12	14.00 Cum (Fourteen Cubic metre only)	Refilling the foundation with excavated soil (other than sand) in layers of not more than 15cm thick watering, well ramming, consolidation complying with standard specification and as directed by SIPCOT officers			1 Cum (One Cubic metre)	

No. of Corrections:
No. of over writings:

Contractor

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
13	3.00 Cum (Three Cubic metre only)	Painting emblem on the tank as directed by SIPCOT officers			1 Cum (One Cubic metre)	
		Section IV - 13 Items (Thirteen Items only)			Sub Total-IV	
V. Compound Wall						
1		Earth work excavation for foundation 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 and as directed by SIPCOT Officers.. (including Refilling)				
	18.00 Cum (Eighteen Cubic metre only)	a. 0 to 2 mt.			1 Cum (One Cubic metre)	
2	2.00 Cum (Two Cubic metre only)	Supply and filling of stone dust including all cost and conveyance of materials and all labour charges etc., complete.			1 Cum (One Cubic metre)	
3	1.18 Cum (One point One Eight Cubic metre only)	Plain Cement Concrete 1:5:10 (One of cement, four of Crushed stone sand and eight of hard broken stone jelly) for foundation 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 SIPCOT officers			1 Cum (One Cubic metre)	
4		Reinforced Cement Concrete with M20design mix for the following members excluding the cost of reinforcement and fabricating, centering, shuttering and strutting charges but including the cost all materials mixing ,placing in position, lifting, vibrating, finishing & curing, etc. complete. and as directed by SIPCOT Officers.				
a	8.00 Cum (Eight Cubic metre only)	In Foundation & Basement			1 Cum (One Cubic metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
5		Providing Form work 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 supported by caurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the RCC works etc., complete complying with standard specifications and as directed by the SIPCOT officers.				
a	56.00 Sqm (Fifty Six Square metre only)	Plane surface for Plinth beam, Grade beam, Raft beam			1 sqm. (One Square metre)	
b	32.00 Sqm (Thirty Two Square metre only)	Vertical Surface for column using M.S. sheet			1 sqm. (One Square metre)	
6	2.00 Cum (Two Cubic metre only)	Brick work in cm 1:5 (One of cement and five of crushed stone sand) using Kiln burnt chamber bricks of size Bricks of size 23x11.4x7.5 cm in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
7	76.00 Sqm (Seventy Six Square metre only)	Brick partition wall in Cement Mortar 1:4 (One of cement and four of crushed stone sand) 114mm thick for super structure in the following floors using kiln burnt chamber bricks of size Bricks of size 23x11.4x7.5 cm 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.			1 sqm. (One Square metre)	
8	180.00 Sqm (One Hundred and Eighty Square metre only)	Plastering with CM 1:5 (One of cement and five of crushed stone sand) 12mm thick finishd with neat cement including providing band cornice, ceiling cornice, curing scaffolding etc., complete in all repects and complying with relevant standard specifications and as directed by SIPCOT Officers.			1 sqm. (One Square metre)	
9	180.00 Sqm (One Hundred and Eighty Square metre only)	White washing three coats using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding etc., complete in all respects complying with relevant standard specifications.			1 sqm. (One Square metre)	
10	0.56 MT (Zero point Five Six Metric Tonne only)	Supplying, fabricating and placing in position of Ribbed Tor Steels for reinforcement for all floors including cost of binding wire, bending, tying etc., all complete and as directed by the SIPCOT officers for all sizes. (without cement slurry wash)			1 MT. (One Metric Tonne)	

No. of Corrections:
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Contractor

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
11	675.00 Kg (Six Hundred and Seventy Five Kilogram only)	Fabricating, supply and fixing of MS gate size 4.50x2.1m double leaf with using MS flat and angle including cost of all materials and conveyance on two side in front of main road complete as per direction of SIPCOT officers.			1 kg. (One Kilogram)	
12	29.00 Sqm (Twenty Nine Square metre only)	Painting of two coats of Enamel paint including cost of materials and labour charges etc., complete in all respects and as directed by SIPCOT Officers..			1 sqm. (One Square metre)	
		Section V - 12 Items (Twelve Items only)			Sub Total-V	
VI. Cement Concrete Road						
1	102.00 Cum (One Hundred and Two Cubic metre only)	Excavation for levelling of roadway in OG Soil using manual means with initial lift and lead etc., all complete and as directed by the SIPCOT officers.			1 Cum (One Cubic metre)	
2	34.00 Cum (Thirty Four Cubic metre only)	Filling in undulations with sand including cost and conveyance of sand, watering, ramming and labour charges etc., all complete and as directed by the SIPCOT officers.			1 Cum (One Cubic metre)	
3	68.00 Cum (Sixty Eight Cubic metre only)	Laying of CEMENT CONCRETE(1:4:8) USING 40mm HBG STONE METEL including cost and conveyance of all materials, labour charges and curing etc., all complete and as directed by the SIPCOT officers.			1 Cum (One Cubic metre)	
4	68.00 Cum (Sixty Eight Cubic metre only)	Laying of Plain cement concrete pavement as per design mix M20 using 12mm and 20mm HBG Machine Crushed Metal, with side formwork, over 125 microns thick Polythene sheet including cost and conveyance of all materials, labour charges and curing etc., all complete and as directed by the SIPCOT officers			1 Cum (One Cubic metre)	
5	9.00 Sqm (Nine square metre only)	Supply, delivery and fixing of Mastic Pads of 12.70 mm thick including cost and conveyance and labour charges etc., complete for expansion joints etc., all complete and as directed by the SIPCOT officers			1 sqm. (One Square metre)	
6	300.00 Rmt (Three Hundred Running metre only)	PRECAST Plain cement concrete (P.C.C) KERB STONE 450x300x150mm etc., all complete and as directed by the SIPCOT officers.			1 Rmt. (One Running Metre)	
		Section VI - 6 Items (Six Items only)			Sub Total-VI	

No. of Corrections:
No. of over writings:

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