

## TENDER SCHEDULE

**Name of the Work: Construction of combined office building for the joint commissioner and Assistant Commissioner HRCE Department at Officer's line , Vellore in Vellore District.**

**Value Of Tender: Rs.26363538**

**Date of tender :17.8.2022**

**Cost Of EMD : Rs.142000**

**Period Of Completion : 8 Months**

SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
1	506.50	Cum	Earth work excavation for foundation in all classes of soils and sub soils and to depth as may be directed except in hard rock, requiring blasting, including initial leads and lifts and re-filling the sides of foundation, with excavated earth in 150mm layers well watered rammed and consolidated, including depositing surplus earth as directed by departmental officers clearing and levelling the site, shoring shuttering baling out water wherever necessary etc., complete complying with standard specification.			1 Cum	

Signature of Executive Officer

No.of Correction/Overwriting:

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
2	90.90	Cum	Supplying and filling in foundation, basement, etc with filling sand in layers of not more than 15 cm thick well watered, rammed and consolidated etc. complete complying with standard specification and as directed by the departmental officers.			1 Cum	
3	380.00	Cum	Supplying and filling of Gravel for Foundation and Basemnet in layers of not more than 15cm thick well watered , rammed and consolidated including cost and conveyance of materials, Labour charges for filling etc., complete complying with standard specification .			1 Cum	
4	96.90	Cum	Plain Cement Concrete 1:5:10 (One Cement, Five sand and ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation and basement including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and curing etc. complete complying with standard specification.			1 Cum	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
5			Providing and laying in position, Standardised Concrete Mix M20 Grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325kg/m <sup>3</sup> and maximum water 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 (5.0Cum) 7730Kg of 20mm machine crushed stone jelly and with about (3.30 Cum) 5156Kg of 10-12mm machine crushed stone jelly and with about (4.79 Cum) 7670 Kg of sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering 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 requirement of IS standards. (No separate payment will be made by the Department for the excess usage of materials).				

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
a	121.60	Cum	Foundation & Basement			1 Cum	
b	165.00	Cum	Ground Floor			1 Cum	
c	144.00	Cum	First Floor			1 Cum	
d	10.00	Cum	Second Floor			1 Cum	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
6			Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificaliton. (Payment for centering shall be given after the concrete is laid)				

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
6.a	541.00	sqm	Columns			1 Sqm	
6.b	2000.40	sqm	Beams & Roof Slab			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
6.c	440.20	sqm	Supplying and erecting steel centering including necessary supports for plane surface for RCC works such as column footing, column pedestal, plinth beam, grade beam staircase steps etc which require only nominal strutting using M.S.Sheet of size 90cm x 60cm and BG 10 stiffened with welding M.S.angle of size 25mm x 25mm x 3mm for boarding, laid over silver oak joist of 10cm x 6.5cm space at 75cm centre to centre at suitable interval etc complete. complying with standard specification (Payment shall be given after the concrete is laid)			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
7	54.11	mt	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (Contractor has to make his own arrangements for the supply of steel and binding wire)			1 mt	
8			Brick work in Cement Mortar 1:5 using best quality of Second Class Ground Moulded Chamber Burnt Bricks 8 3/4" x 4 1/4" x 2 3/4"for foundation and basement including curing, etc., complete complying with standard specfiction.				
a	80.00	cum	Foundation & Basement			1 cum	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
b	163.00	cum	Ground Floor			1 cum	
c	156.00	cum	First Floor			1 cum	
d	39.00	cum	Second Floor			1 cum	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
9			Brick partition walls of 11.50cm thickness using best quality II Class Ground Chamber Burnt Bricks of size 8 3/4" x 4 1/4" x 2 3/4" in Cement Mortar 1:3 (One Cement and Three Sand) using hoop iron reinforcement if found necessary including curing etc. complete complying with standard specification. (Hoop iron reinforcement will be measured and paid separately)				
a	116.00	Sqm	Ground Floor			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
b	103.00	Sqm	First Floor			1 Sqm	
10	4053.00	Sqm	Plastering with Cement Mortar 1:5 (One cement and Five sand), 12mm thick in all floors including curing etc. complete complying with standard specification .			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
11	2571.10	Sqm	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, facia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar 1:3 (One Cement and Three Sand) 10mm thick including hacking the surfaces, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing in all floors etc complete complying with standard specification .			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
12	44.00	cum	Weathering course in brick jelly lime concrete using broken brick jelly of size 20mm uniform gauge in pure slaked lime (no sand to be used) to the proportion of brick jelly to lime being 32:12.5 by volume and laid over the RCC roof slab in a single layer of required slope and finished by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete complying with standard specification.			1 cum	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
13	542.00	Sqm	Finishing the top of roof with one course of machine pressed tiles of size 230mm x 230mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three Sand) 12mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing, finishing ,etc., complete complying with standard specification.			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
14	0.10	cum	Supply and fixing of well seasoned Teak wood Frames 127x76mm size and free from all defects including wrought and put up with necessary cutting groves for holding the shutter etc, as per standard specifications. (The teak wood used should be got approved by departmental officers before use on work)			1 cum	
14, A	1.60	cum	Supply and fixing of well seasoned Country wood Frames 127x76mm size and free from all defects including wrought and put up with necessary cutting groves for holding the shutter etc as per standard specifications.(The country wood used should be got approved by departmental officers before use on work)			1 cum	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
15	4.80	sqm	Supplying and fixing the well seasoned Teak Wood door shutter wrought and put up with vertical styles, bottom rail, lock rail top rail using 40mm thick plank as per standard size and door shutter panel using plank of size 15 to 30cm wide and 25mm thick , including cost of wind appliance, furniture fittings and cutting groves etc., complete labour charges for fixing furniture as per standard specification. (The teak wood should be got approved by the departmental officer before use on work).			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
15 A	58.60	sqm	Supplying and fixing the well seasoned Country Wood door shutter wrought and put up with vertical styles, bottom rail,top rail using 40mm thick plank as per the standard size and door shutter panel of 30mm wide , 40mm thick including cost of wind appliance, furniture fittings , cutting groves etc., complete, labour charges for fixing furniture.as per standard specification. (The country wood should be got approved by the departmental officer before use on work)..			1 sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
16	24.00	sqm	Supply and fixing Solid PVC Door shutters using 19 Gauge 19mm MS square tubes for styles with outer frames and 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 postion 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 sizes of frames shall be 50mm x 45mm with suitable rabate for housing the shutter as directed by departmental officers.The door should be fixed to the wall with 100% packing with screws.(the door should be get approved before use on work)			1 sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
17	75.30	sqm	Supply and fixing UPVC (Un-Plasticized Polyvinyl Chloride) windows of casement type (open) from the profile the size of outer frame 60mm*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 Esapd multi power point lock and also it operates as handle. The coreners and joint 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 stoR ms and should have key loackable action, security protective hinges strong locking systems as per size of 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 by the departmental officer before use on work.			1 sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
18	2800.00	kg	Supplying, Fabricating and Placing in position of M.S grill of approved design for Windows, ventilator , Handrail etc., including cost and conveyance of materials, Labour charges for cutting, Welding, fixing in position,one coat of red oxide primer etc., complete complying with standard specification.			1 kg	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
19	6.70	sqm	Supply and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators from the profile the size of outer frame 60mm x 58mm and shutter size of 60 x 78mm both 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 coreners and joint should be welded and cleaned. Radiations free pin headed plain 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. The window should be got approved by departmental officers before use on work.			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
20	866.00	sqm	Paving the floor with double charged verified tiles of size 600 x 600 x 8mm of aproved colour, shade and quality in all floors over a base layer of cement mortar 1:3 (one cement and three sand ) 20mm thick and pointed with same colour cement complying with standard specification (The make and brand of tile should be got approved by department officers before use on work)			1 sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
21	111.00	sqm	Paving the floor with design colour Ceramic tiles (colour and shade as directed) of size 305 x 305 x 6mm in all floors over a base layer of cement mortar 1:3 (one cement and three sand ) 20mm thick over the existing slab/floor including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with white cement mixed with colouring pigment at the rate of 0.3kg/sqm etc., complete complying with standard specification. (The make and brand of tiles should be got approved by department officers before use on work)			1 sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
22	275.00	sqm	Dadoing walls with design colour Glazed tiles of sizes 300 x 200 x 6mm size of approved make and quality and color set in Cement Mortot 1:2 (One Cement, Two sand) over 10mm base layer in all floors and pointing with same colour cement neatly at the rate of 0.4kg/ sqm curing etc., complete as per standard specification ( The tiles should be got approved by the departmental officers before use on work ).			1 sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
23	65	sqm	Paving the floor with prepolished Anti-Skid steps tiles of 20mm thick of approved quality and colour in all floors over a base layer of Cement Mortar 1:3 (one cement and three sand ) 20mm thick laid and pointed with same colour cement at the rate of 0.4kg/sqm , curing etc., complete complying with standard specification .( The tile should be got approved before use on work).			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
24	1.90	Cum	Brick masonry in combination mortar 1:1:4, using best quality II class Ground moulded bricks size 8 3/4" x 4 1/4" x 2 3/4" including all vaarivargams, moulds, sthambams, mukhapathramsa, koodu, nasi and all ornamental birck work complete, all pancharams, agarais, karnrakoodus, etc., foR ming core wlls of Rajagopurams/ vimanams complete including cost and conveyance of all materials including cement, all the labour charges including marking pathies shaping of the bricks, lifting of all the materials to required hts curing and all extra scaffolding for heights etc., complete as directed by departmental officers			1 cum	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
25	290.63	sqft	Providing vargapoochu over the core walls of vimanam/ gopuram with Combination Mortar 1:1:4 including shaping the mukapathiram, maha nasi, koou all ornamaental works to proper shape by embedding broken bricks or shaped chiseled bricks rough plastering with cement mortar 1:4 and finishing with final ornamental plastering and nayam threervai including cost and conveyance of all matrials labour therefore , lifting of materials all working in heights curing etc. compltete including all extra for scaffolding and clearing the debris from vimanam/ gopuram as directed by departmental officers.			1 sqft	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
26	6253.00	sqm	Painting two coats of newly plastered wall surface with water based exterior emulsion paint of first quality of approved colour and brand over a priming coat in all floor including thorough scrapping, clean removal of dirt, bushes, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.			1 sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
27	166	sqm	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors , brush, etc., complete complying with standard specification. (The brand , quality and colour of paint should be got approved by the departmental officer before use on works.)			1 sqm	
28	156.00	sqm	Painting new wood work with two coats of Synthetic Enamel paint of approved quality and color over one coat of white primer in all floors. The rate shall be inclusive of cost of all materials, brushes scaffolding charges etc, complete complying with standard specifications. (The paint should be got approved by the departmental officer before use on works.)			1 sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
29	9.00	nos	Supply and fixing in position Colour Glazed Model Floor mounted European Water Closet of best quality and approved make with 100mm 'P' or 'S' trap connecting with CI pipe of 100mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement packing, spun, yarn, teak wood plugs, brass screws etc., including supplying and fixing 10 litres capacity PVC/ low level flushing tank with a pair of CI brackets etc.complete with all fittings, such as 15mm brass ball valve with polythene float with brass handle, union coupling connected by means of 40mm white PVC flush hand using indian adopter joint including all internal fittings, such as 15mm brass connections, 15mm GM wheel valve, 15mm brass nipple (2nos) 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re doing the dismantled masonry to original condition, etc., complete complying with standard specification. (The EWC and flushing tank with all accessories should be got approved by the departmental officer before use on works).			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
30	4.00	nos	Supplying and Fixing in position Indian Water Colour Closet of size 580 x 440mm, white glazed earthen ware of approved quality with P trap or S trap confirming to IS:2556 part XII with sand cushion and forming flooring alround the closet using 40mm broken brick jelly in lime concrete 1:2:5 ( one part of lime, two parts of sand and five parts of brick jelly) 100mm thick and finishing the top to required slope and including giving necessary connection to casr iron soil pipes by dismantling Brick masonry, reinfoeced cement concrete roof/floor slab and making good the disturbed portion to original condition without quality with P traps or S traps confirming to IS : 2556 - etc., complete complying with standard specifications.(The IWC should be got approved by departmental officers before use on work).			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
31	6.00	nos	Supply and fixing in position of best Indian make white glazed earthenware lipped mouth flat back urinal of best quality and approved make of size 430mm x 260mm x 350mm with GI pipe, 32mm dia bell mouth PVC connection and waste pipe, 15mm dia GI pipe of required length, 15mm dia GM wheel valve, 15mm dia brass nipple 2 Nos., and fixing the urinals in position with necessary TW plugs, clamps, screws, etc., including dismantling masnory and re-doing the same to the original condition, etc., including painting the pipe with two coats of best quality approved synthetic enamel paint over one coat of existing red oxide primer and checked without any leakage etc. complete complying with standard specifications and as directed by the departmental officers. (The urinal should be got approved by the departmental officer before use on works.)			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
32	14.00	nos	Supplying and fixing in position best quality and approved make Indian made colour glazed earthenware wash hand basin of size 550 x 400mm (with pedestal / without pedestal) with a pair of cast iron brackets, including cost 15mm dia brass CP pillar tap, 32mm dia "B" class GI waste pipe with rubber plug and chain, 15mm dia GM wheel valve, 15mm brass nipple, 15mm dia nylon connection, 32mm dia CP brass waste coupling including fixing of wash basin using CI brackets on to the wall in position with TW plugs and screws, rubber washers, white lead and giving necessary water supply connection and painting the brackets with two coat of painting over a priming coat of anti-corrosive paint including testing for leakages etc., complete complying with standard specification and as directed by the departmental officers. (The wash hand basin and specials should be got approved by the departmental officer before use on works).			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
33	10.00	nos	Supply and fixing in position if CI Gully trap of the 150 x 100 mm with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime Concrete 1:2:4 (one part of Lime, two part of sand, four part of 20mm Brick jelly) and finished with Cement Mortar 1:3 (one cement, three sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the CI pipes, etc., complete complying with standard specification.(The Gully Trap should be got approved by the departmental officers before use on works).			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
34	8.00	nos	Supply and fixing in position of CI Nahani trap of 100 x 75 mm sizes with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime Concrete 1:2:5 (one part of Lime, two part of sand, five part of 20mm Brick jelly) and finished with Cement Mortar 1:3 (one cement, three sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the CI pipes, etc., complete complying with standard specification.(The Nahani Trap should be got approved by the departmental officers before use on works).			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
35	65.00	R m	Supplying and fixing in position best approved of BIS quality PVC rain water down fall pipes of 110mm dia having a pressure of 4 kg. / sq.cm including cost of necessary PVC shoe, PVC bend, cast iron gratings of required diameter and special clamps, brass screws, nails, etc., and fixing of cast iron gratings at junction of parapet and the RCC roof slab including finishing neatly etc., complete. The rate shall be inclusive of cast of removable cast iron grating. The PVC pipe shall be fixed in wall with special type of "U" clamp at the centre of the pipe line in addition to those for more than 3.0 metre pipe length, etc., complete complying with standard specification.(The pipe should be got approved by the departmental officers before use on work).			1 R m	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
36			Supplying and fixing in position best quality PVC soil waste pipes of following dia having 6 kg / sq.cm. pressure BIS mark and providing leak proof joints using PVC adhesives including fixing to the wall with special PVC / MS clamp, teak wood plugs, brass screws, etc., and making connection to all sanitary fittings, dismantling masonry / RCC works wherever found necessary and making the good dismantled portion to the original condition, including testing for any leakages, etc., complete complying with standard specifications. (The PVC pipes should be got approved by the departmental officer before use on works). The rate for earth work excavation will be measured and paid separately in the cases where the pipe lines are proposed to laid below ground level .				

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
a	147.00	R m	110mm diameter			R m	
b	90.00	R m	160mm diameter			R m	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
37			Supplying, laying and jointing PVC pipes (having working pressure 10 kg. / sq.cm) of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing PVC specials using PVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges, etc., complete complying with standard specifications. The PVC pipes shall be got approved by departmental officers before use on works.				
a	45.00	R m	Below GL 40mm Dia			R m	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
b	70.00	R m	Above GL 40mm Dia			R m	
c	140.00	R m	32mm Dia			R m	
38			Supplying and fixing in position 15mm dia brass CP screw down tap / Pillar tap (heavy duty) of approved make conforming to BIS specifications and quality including cost of shellac, thread, etc., complete complying with standard specification and including cutting and threading wherever necessary. (Taps should be got approved by the departmental officers before use on the works)				

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
a	22.00	nos	Pillar tap			each	
b	16.00	nos	Swan Neck tap			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
39	109.00	Sqm	Manufacturing, supplying and fixing Precast Reinforced Cement Concrete slabs of 50mm thick in RCC 1:2:4 (one cement, two sand and four aggregates), using 20mm HBGS jelly excluding cost of reinforcement steel in position but including cost of moulding charges, casting of slab, finishing, curing and fixing in position in all floors etc., complete complying with standard specification and as directed.			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
40	1.00	nos	<p>Supply and erecting in position of 250 litres capacity Industrial Model Reverse Osmosis Water-Cum-Purifier to deliver Potable Water with World Health Organisation (WHO) Standards with following accessories. a) MS Skid - 1no. b)Media 11054 No. Vessel with 20 nb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set ,(c) Feed Pump 0.50 HP – 1 No., (d) Vertical Pump 2-9, 2.00 HP / Single Phase – 1 No., (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) - 1 No. and Membrane Pressure Vessel 40 x 40 -1 No.&amp; Pressure Gauge - 2 Nos., (f) Flow Meter - 1 No. 20” Filter with Housing - 1 No., LowPressure Switch - 1 No., Level Switch - 1 No. &amp; Necessary CPVC Pipes and Fittings.The system shall be provide with Two Panel Control System with necessary Stainless Valves and Fittings and Float Control etc. The rate should be inclusive of all civil works, wherever necessary to install the System in position and intact. ( The RO should be got approved by the departmental officers before commencing the work).</p>			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
41	1.80	cum	Plain cement concrete 1:2:4 (one cement , two sand and four HBS jelly) using 20mm stone jelly for wearing coat including laying ,compacting, finishing and curing etc., complete as per standard specification.			1 cum	
42			Brick work in following Cement Mortar 1:5 using best quality of Second Class Ground Moulded Chamber Burnt Bricks 9" x 4 3/8" x 2 3/4"for foundation and basement including curing, etc., complete complying with standard specification.				
	23.00	Cum	Foundation & Basement			1 cum	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
43	64.00	Sqm	Plastering with Cement Mortar 1:3(One cement and Five sand), 20mm thick in all floors including curing etc. complete complying with standard specification.			1 Sqm	
44	126.00	Sqm	Supplying and painting the walls with two coats of cement paint over one coat of cement primer as instructed by the departmental officers including preparation of surface curing, etc., complete in all floors complying with standard specifications (The colour and shade of the cement paint shall be got approved by the departmental officers before use on work).			1 Sqm	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
45	1.00	no	Supply and Fixing in Position of AC Ventilating shaft of 100mm Diameter 3m length with A.C cowl including Cost and Conveyance of Materials, Labour charges for fixing in position etc., all complete as per standard specification.			each	
46	4.00	nos	Supply and Fixing of Cast Iron manhole Cover Slab of size 0.60 x 0.60 metre heavy duty with CI frame of best quality including cost and conveyance of materials, Labour charges for fixing in position etc., complete as directed by departmental officers.			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
47	12.00	nos	Construction of Inspection Chamber of size 60x60x60cm inner measurement including Earthwork excavation, PCC 1:5:10, Brick Work in CM 1:5 , plastering in CM 1:3 precast cover slab 50mm thick in RCC 1:2:4, benching, curing etc., complete as directed by departmental officers.			each	
48	5	nos	Supply and Fixing in position of CI steps including cost and conveyance of materials, Labour charges for fixing in position with cement mortar or concrete etc., complete as directed by the departmental officers.			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
			<b>ELECTRICAL</b>				
49	175	Pts	Wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with with metal box and 6A 1way modular Switch in flush with wall with suitable modular front plate cover foR making good of the concealed portion for PVC concealed light point /fan point for Electronic Regulator) (5 Points Per Coil) (Anchor Roma/Equivalent)			1 pt	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
50	20	Pts	Wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with with metal box and 6A 1way modular Switch in flush with wall with suitable modular front plate cover foR making good of the concealed portion for PVC concealed light point /fan point for Electronic Regulator) (6 Points Per Coil) (Anchor Roma/Equivalent)			1 pt	
51	79	Nos	Supply and fixing of single box type 4' 20 W LED fitting complete with TW round blocks on wall or ceiling with 20 W LED tube light with Single side connection with PVC unsheathed Copper leads from teR minals to the fitting. ( Havells /equivalent)			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
52	7	Nos	Supply and fixing of WT bulk head fitting with guard suitable for 11W CFL lamp with CFL			each	
53	42	Nos	Supply and Fixing of Havels 34 Watts 2 x 2 square model fitting on wall or ceiling(Like Havels)			each	
54	51	Nos	Supply and fixing of 1200mm (48") AC ceiling fan complete with stepped electronic 100W regulator with 300mm down rod on the existing clamp (make: Crompton High speed)			each	
55	7	Nos	Supply and fixing of 300mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall			each	
56	7	Nos	Supply and fixing of louvers shutters arrangements for 300mm (12") sweep (light duty) AC exhaust fan			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
57	9	Nos	Supply and fixing of 48 watts LED street light fitting with 32mm dia GI pipe (class 'B') with 1no 32mm dia GI bend complete on the existing post / wall with SMC box with 15A fuse unit and 5A flush type switch with PVC unsheathed copper leads from fuse carrier to the fitting, MS clamps and aluminium painting with including necessary labour (Havels/philips)			each	
58	52	Nos	Supply and fixing of 8 module and 1 no 12 module metal box with 1 no 12 modular plate, 3 no 6A and 16A Switch, 3 no 6A and 16A Socket in flush and making good of the concealed portion.			each	
59	11	Nos	Supply and fixing of 32A DP MCB enclosure with 32A DP MCB in flush with wall with earth connection.			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
60	6	Nos	Supply and fixing of 12 way single pole MCB sheet steel enclosure distribution board with 1No 32A DP MCB as incoming and 10 Nos 6Amps to 32Amps 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 Legrand /Hager/Equivalent)			each	
61	6	Nos	Supply and fixing of Verticle type 4 way triple pole neutral MCB distribution board ( Double door type) in sheet steel enclosure in flush with wall and making good of the concealed portion with earth connection. The MCB DB and MCB's should be with ISI mark(Like Legrand /Hager/Equivalent) IP42 Protection, with 63 A 4 pole MCB Isolator 1 Nos as incoming and 12 Nos 32A SP MCB.			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
62	1	Nos	Supply and Fixing of vertical type 8way 160A Frame TPN MCCB DB (Double Door type 24 module) in sheat steel enclosure with 43 protection in flush with wall and mking good of the concealed portion with inter connection and earth Connection . The MCB DB and MCB's should be with ISI mark (Like standard make) 160A 4 pole MCCB 1 Nos as in coming and 63A TP MCB 4 Nos and 32A sp MCB= 12nos as an Going on way with earth Connection (Required)			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
63	4	Nos	Supply and Erection of indoor units of 2 Ton capacity (3 star Rated ) split type Air condition unit conforming to ISI 1301 (Part - 2) 1992 with amendment No. 1 fitted with Hermetically sealed compressor operation on 230v 50Hz AC supply system with energy efficient operating system with Refrigerant gas R-22 suitable for high wall mounting evaporator and specification as under general requirement interconnection of pipes and cables.			each	
64	4	Nos	Supply and Erection of 5 KVA capacity Automatic Voltage Stabilizer suitable to operation on 230 V, Single Phase, 50Hz, AC supply system with time delay relay and High / Low Voltage cut off, input Voltage Range 170 V AC Single phase, wall mounting type stabilizer with necessary clamp.			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
65	8	mtr	Supply and Laying of 5/8" and 1/4" copper pipe			mtr	
66	4	Nos	Supply and Fixing of MS Stand for fixing outdoor AC unit.			each	
67	1200	mtr	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 14 SWG TC wire and making good of the concealed portion with suitable colour			mtr	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
68	100	mtr	Supply and run of 4 of 10 sq.mm (140 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in 40mm PVC rigid pipe on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour			mtr	
69	2	Nos	Supply and fixing of brass cable gland for 3-1/2 x 70 sq.mm. PVC LTUG aluminium armoured cable with earth connection			each	
70	40	mtr	Supply and laying of 3-1/2 x 70 sq.mm 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			mtr	
71	10	mtr	Supply and clamping of 3-1/2 x 70 sq.mm PVC LTUG armoured cable on post or on wall with MS clamps			mtr	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
72	2	Nos	Supply and providing cable end termination of 3-1/2 x 70 sq.mm. PVC LTUG aluminium armoured cable with necessary aluminium cable sockets by crimping etc with electrical connection complete			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
73	1	Nos	Supply and fixng of TNEB meter board suitable for 3 phase 100A service connection made up of suitable angle iron frame work of size 2 feet x 1-1/2 feet using angle iron of size 1-1/2" x 1-1/2" x 1/4" rigidly fixed on wall covered with hylem sheet of size 2 feet x 1-1/2 feet of 12mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos. 100A fuse units (500V), 1 No. neutral link, copper earth flat of size 1" x 1/4" with inter connection of EB meter to fuse units by 16 Sq.mm PVC insulated copper wire with earth connection complete			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
74	1	Nos	Supply and fixing of 100A TPN sheet double break switch with HRC fuse and neutral on suitable angle iron frame work with MS cable entry boxes and with PWD earthing			each	
75	25	mtr	Supply and run of 1 of No.8 SWG copper wire in suitable PVC rigid pipe on wall and ceiling for earth connection			mtr	
76	2	Nos	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			each	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
77	1	Nos	Supply and fixing of advanced EPABX system with built in 4 port voice, mail, 8 P7T lines, 48 no, of extensions, expandable up to 128 extensions, IP enable, called ID, Conference, Day / Night mode, Compatible to ISDN Operator Console.			each	
78	22	Nos	Supply and Installation of Caller ID Telephone Instrument.			each	
79	2	Nos	Supply, Fixing and termination of 20 Pair DB with Krone module and necessary connection with suitable Ms box, lock & keys.			each	
80	750	mtr	Supply and Laying charges of 0.5mm 2pair PVC Telephone cable with PVC pipe / Chanel with all accessories (Make: like Finolex)			mtr	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
81	250	mtr	Supply and Installation of 0.5mm 20 pair PVC Telephone cable in available PVC pipe with accessories			mtr	
82	22	Nos	Supply and Installation of RJ-11 Rosette Box			each	
83	450	mtr	Supply and Installation of 1" PVC pipe in Floor / Ceiling / roof / wall with accessories.			mtr	

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SI. No .	Quantity		Description of item	Rate		Per	Amount
	In Figure	unit		In Figure	In Words		
84	1	Nos	Supply and Installation of 12 V 26AH SMF Battery			each	
85	1	Nos	PWD Standard earthing with GI wire			each	
			<b>Total</b>				

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