

Name of work

## Construction of Odhuvar Training School Building at Kurchi in Tirunelveli District.

## SCHEDULE A

Sl No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
			<b>Building</b>			
1	247.00 (Two Hundred and forty seven Cubic metre only)	cum	<b>Earth work excavation for foundation (for narrow excavation) in all soils and sub-soils</b> and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification		cum (one cubic metre)	
2	19.00 (Nineteen Cubic meter only)	cum	<b>Cement Concrete 1:5:10</b> (One Cement, Five sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for <b>foundation</b> 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		cum (one cubic metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
3	72.00 (Seventy Two Cubic Meter only)	cum	<b>Refilling with excavated earth other than sand</b> with an initial head load of 100 mts. and depositing the earth as shown by the departmental officers in layers of not more than 15 cm thick well rammed, watered and consolidated etc. complete complying with standard specification		cum (one cubic metre)	
4	36.00 (Thirty Six Cubic Meter Only)	cum	Supplying and filling in foundation, basement, etc with <b>filling M.sand</b> 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.		cum (one cubic metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
5	512.00 (Five Hundred and Twelve Square meter only)	sqm	Supplying and erecting steel centering for sides and soffits including supports and strutting up to 3.29 metre height for plain surfaces such as <b>RCC square or rectangular columns, top and bottom slabs of sunshade</b> boxing sill slabs etc., with necessary facia etc., with all cross bracings using mild steel B.G., 10 sheets of size 90cm x 60cm stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding laid over silver oak (Country wood) Joists of size 10cm x 6.5cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia spaced at 75cm centre to centre etc., complete complying with standard specification.		sqm (one square metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
6	108.00 (one Hundred and eight square meter only)	sqm	Supplying and erecting steel shuttering including necessary supports for plain surfaces for reinforced cement concrete works such as <b>grade beams, column footing, plinth beam, staircase steps, pedestals</b> bed blocks cover slab etc., using mild steel B.G 10 sheets of size 90cm X 60cm Stiffened with mild steel angles of size 25mm X 25mm X 3mm for boarding laid over silver oak (Country wood) joists of size 10cm X 6.5cm spaced at about 90cm centre to centre, supported by casurina props 10cm to 13cm diameter spaced at 75cm centre to centre etc., complete complying with standard specification.		sqm (one square metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
7			Supplying and erecting <b>centering for sides</b> 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 specificaiton. (Payment for centering shall be given			
	748.00 (Seven hundred and fourty eight square meter only)	sqm	For <b>plane surfaces such as RCC floor slab, roof slab, beams, lintels</b> , bed blocks, landing slab, waist slab, portico slabs and beams, etc.		sqm (one square metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
8			Providing and laying in position, Standardised Concrete Mix M20 Grade in accordance with IS : 456-2000, using 20 mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg /m <sup>3</sup> and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS : 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about ( 5 cum )7730 kg of 20 mm machine crushed stone jelly and with about ( 3.30 cum )5156 kg of 10 - 12 mm 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 and also including laying, vibrating with mechanical vibrators, finishing, curing etc. and providing fixtures like fan clamps in RCC floor / roof slabs where ever necessary without claiming extra etc, complete complying with standard specification and as directed by Departmental officers. The course and fine aggregates to be used should comply with the requirements of IS Standards. ( No separate payment will be made by the Department for the excess usage of materials.) 10 cum			

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Sl No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
a	39.00 (Thirty nine cubic meter only)	cum	<b>Foundation and Basement</b>		cum (one cubic metre)	
b	54.00 (Fifty four cubic meter only)	cum	<b>Groundfloor</b>		cum (one cubic metre)	
c	54.00 (Fifty four cubic meter only)	cum	<b>First Floor</b>		cum (one cubic metre)	
d	9.00 (Nine Cubic meter only)	cum	<b>Second Floor</b>		cum (one cubic metre)	
9	201.00 (Two Hundred and one Quintol only )	Qtl	<b>Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works</b> 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)		Qtl ( one quintal)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
10			<b>Brick work in cement mortar 1:6</b> (one cement and Six sand) using Country Bricks of size 8 3/4" x4 1/4"x 2 3/4" f or the following items including curing etc complete complying with standard specification.			
	25.00 (Twenty five cubic meter only)	cum	<b>a. Foundation and Basement</b>		cum (one cubic metre)	
	85.00 (Eighty Five cubic meter only)	cum	<b>b. Ground Floor</b>		cum (one cubic metre)	
	84.00 (Eighty four Cubic Meter Only)	cum	<b>c. First Floor</b>		cum (one cubic metre)	
	24.00 (Twenty Four Cubic Meter Only)	cum	<b>d. Second Floor</b>		cum (one cubic metre)	
11			<b>Brick work in cement mortar 1:6</b> (one cement and Six sand) using Country Bricks of size 8 3/4" x4 1/4"x 2 3/4" f or the following items including curing etc complete complying with standard specification.			

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
	28.00 (Twenty Eight Cubic Meter Only)	cum	<b>a. Foundation and Basement</b>		cum (one cubic metre)	
	2.00 (Two Cubic Meter Only)	cum	<b>b. Ground Floor</b>		cum (one cubic metre)	
12	44.00 (Fourty Four Square Meter Only)	sqm	<b>Damp proof course with Cement Mortar 1:4</b> (One Cement and Four sand) <b>12mm thick</b> mixed with best approved quality water proofing compound conforming to Indian Standard specification as specified by the departmental officers at 2% by weight of cement used, finishing and curing etc. complete complying with standard specification.		sqm (one square metre)	
13			<b>Brick partition walls</b> using best quality using Country 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 and as directed by the Departmental officers. (Hoop iron reinforcement will be measured and paid for separately)			

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
	38.00 (Thirty Eight Square Meter Only)	sqm	<b>a. Ground Floor</b>		sqm (one square metre)	
	41.00 (Fourty One Square Meter Only)	sqm	<b>b. First Floor</b>		sqm (one square metre)	
14	1725.00 (One Thousand Seven Hundred & Twenty Five Square Meter Only)	sqm	<b>Plastering</b> with Cement Mortar <b>1:5 (One cement and Five sand)</b> , <b>12mm thick</b> in all floors including curing etc. complete complying with standard specification and as directed by the Departmental officers.		sqm (one square metre)	
15	616.00 (Six Hundred and Sixteen Square Meter Only)	sqm	<b>Special ceiling</b> 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 <b>1:3 (One Cement and Three Sand)</b> <b>10mm thick</b> including hacking the surfaces, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing, etc., in all floors complying with standard specification and as directed by the Departmental officers		sqm (one square metre)	

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16	20.00 (Twenty Cubic Meter Only)	cum	<b>Cement Concrete 1:5:10</b> (One cement, Five sand and Ten hard broken stone) using 40 mm gauge hard broken jelly for <b>flooring</b> including laying, consolidating, finishing, rendering the top surface rough to receive the floor, curing, etc. complete complying with standard specification. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers		cum (one cubic metre)	
17	285.00 (Two hundred and Eighty five only)		Floor finishing with CM 1:3 using vetrified tiles size 2'0" x 2'0" in all floors over a base layer of cement mortar 1:3 (One cement and three sand) 20mm thick and pointed with colour cement at the rate of 0.3 kg/ sqm including finishing neatly, curing, etc complete, complying with standard specification and as directed by the departmental officers complete. including cost and conveyance of all materials and all labour charges etc complete.			

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
18	96.00 (Ninety Six Square Meter Only)	sqm	Supplying and paving the floor with design <b>ceramic antiskid tiles</b> of approved brand and quality (Colour/shade of the ceramic tiles shall be got approved by the departmental officers concerned) of size 200mm x 200mm x 6mm in all flooring over a base mortar 20mm hick laid in situ tructo alignment and pointed with colour cement (White cement mixed with colouring pigment) to suit the colour and shade of the ceramic tiles etc., complete complying with standard specification and as directed by the departmental officers.		sqm (one square metre)	
19	186.00 (One Hundred and Eighty Six Square Meter Only)	sqm	<b>Dadooing walls</b> with following best approved quality, white / colour glazed tiles of following sizes set in Cement Mortar 1:2 (One Cement and Two sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. / sq.m. neatly in all floors, curing, etc., complying with standard specification and as directed by the departmental officers.		sqm (one square metre)	

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20	17.00 (Seventeen Cubic Meter Only)	cum	<b>Weathering course</b> 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 as per standard specification and as directed by the departmental		cum (one cubic metre)	
21	206.00 (Two Hundred And Six Square Meter Only)	sqm	Finishing the top of roof with one course of <b>machine pressed tiles</b> of size <b>230mm x 230mm x 20mm</b> 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 etc., complete complying with standard specification and as directed by the departmental officers		sqm (one square metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
22	41.00 (Fourty One Running Meter Only)	RM	Supplying and fixing in position best approved of BIS quality <b>PVC rain water down fall pipes</b> having a pressure of <b>4 kg. / sq.cm</b> 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.		RM (One Running metre)	
23	1518.00 (One Thousand Five Hundred and Eighteen Square Meter Only)	sqm	Painting two coats of newly plastered wall surface with ready mixed plastic <b>Interior emulsion paint</b> of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.		sqm (one square metre)	

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24	721.00 (Seven Hundred and Twenty One Square Meter Only)	sqm	Painting two coats of newly plastered wall surface with water based <b>exterior emulsion paint</b> of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.		sqm (one square metre)	
25	21.00 (Twenty One Running Meter Only)	RM	<b>CRC Door Frame of 100mm x 65mm</b> cross sectional size with necessary rebate for housing the shutters manufactured with cement concrete of grade not less than M20 using 10mm and below graded stone jelly and using steel reinforcement		RM (One Running metre)	
26	17.00 (Seventeen Square Meter Only)	sqm	Supplying & fixing door shutters for <b>Mediun Density Fiber Board</b> of exterior grade laminated 35 mm thick conforming to IS:12406/1989 with 35x12 mm T.W.Lipping on all edges with necessary adhesives and CP screws complying with standard specifications. The rate is inclusive of threee coats of best quality varnish but excluding cost of furniture fittings.such as 300 mm tower bolt 2nos, 200mm towerbolt I no. 300mm Aldrop 1 No. Alu handle ornamental type 2 Nos,and 1 No. Door stopper etc complete.		sqm (one square metre)	

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27			Supplying and fixing rigid <b>PVC panelled door</b> shutter made from M.S box section of size 19mmx19mm, 19gauge covered with heat moulded PVC 5mm thick and width of 50mm to form styles and rails. The panel shall be 5mm thick PVC rigid foam sheet inserted into the frame sealed to the styles and rails and 5mmx25mm PVC beading is provided on all sides with furniture fittings etc., complete.			
	32.00 (Thirty Two Square Meter Only)	sqm	a.Solid PVC door with frame		sqm (one square metre)	

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28	29.00 (Twenty Nine Square Meter Only)	sqm	Supply and fixing of UPVC windows of casement type of the following sizes of approved standard quality 1.50x1.75m, 1.20x 1.75m, 1.20x1.30m, 0.90x1.30m. The window should be of multi chambered sections with wall thickness of 2.20mm reinforced with hot dip galvanized to 125GSM and 100% corrosion free. The corners and joints should be screwed and pasted. The window should with stand weather and resist UV radiation. Pin headed glass of 4mm thick should not allow leakage of water even in most ranging storms and should have multi chamber profile with double seal that ensures in herent insulation against sound infiltration. The window shutter should have key lockable action security protective hinges, strong double and triple glazing options are to be provided as per the size for arresting noise and every loss. The connecting mechanism between sash & outer frame that enables opening of the window to the desired size and non corrosive SS304 grade should be used for friction stay. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The cost inclusive of supply conveying and fixing in position by sealing the gap between the windows and the with silicon etc.,		sqm (one square metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
28	9.00 (Nine Square Meter Only)	sqm	Supplying and fixing <b>UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators</b> of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work		sqm (one square metre)	
29	156.00 (One Hundred and Fifty Six Kilogram Only)	kg	Supplying & fixing of <b>Collapsible Gate</b> with iron Angles frame of size 40mm x 40mm x 6mm and inner side 12mm Square rods and necessary painting with one coat of Red Oxide primer including cost and conveyance of all materials and all alabour charges etc complete as directed by departmental officers		1kg (one Kilogram)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
30	1034.00 (One Thousand and Thirty Four Kilogram Only)	kg	Supplying & fixing of <b>Grill with iron Angles frame of size 40mm x 40mm x 6mm</b> and inner side 12mm Square rods and necessary painting with one coat of Red Oxide primer including cost and conveyance of all materials and all alabour charges etc complete as directed by departmental officers		1kg ( one Kilogram )	
32	41.00 (Fourty One Square Meter Only)	sqm	Manufacturing, Supplying and Fixing of <b>Stainless Steel Hand rails</b> for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between The vertical pipe has to be welded to the 100 x 100 x 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc complete		sqm (one square metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
33	40.00 (Fourty Square Meter Only)	sqm	<b>Painting new iron works</b> 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 excluding cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Departmental officers before use on works.)		sqm (one square metre)	
			<b>Electrification arrangements</b>			
34	110.00 ( One Hundred and Ten Points Only)	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 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch and making good of the concealed portion with suitable colour for PVC concealed light / Fan Point (For electronic regulator) (5 Points Per Coil)		1Pts. (One point)	
35	11.00 (Eleven Numbers Only)	Nos.	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)		1No (One number)	

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36	4.00 (Four Numbers Only)	Nos.	Supply and fixing of 5A / 15A 3 pin combined flush type wall socket with 15A flush type switch on suitable TW Box		1No (One number)	
37	40.00 (Fourty Numbers Only)	Nos.	Supply and fixing of battern holder and 7 / 9W LED lamp for B.N.point.		1No (One number)	
38	26.00 (Twtnety Six Numbers Only)	Nos.	Supply and fixing of 20 W LED tube complete with Light fitting Ts (Single side) TW round blocks on Wall or ceiling with PVC unsheathed Copper leads from terminals to the fitting.		1No (One number)	
39	7.00 (Seven Numbers Only)	Nos.	Supply and fixing of 30 W LED street light flu.fitting complete with copper choke and condensor with 32 mm dia GI pipe (Class 'B') with 1 No 32mm GI Bend complete on the existing post wall with 16 A aerial fuse unit on MS plate with PVC unsheathed Copper leads MS clarnps and aluminium painting with flu.tubes		1No (One number)	
40	16.00 (Sixteen Numbers Only)	Nos.	Supply and fixing of 1200 mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator, with 1 metre down rod on existing clamp		1No (One number)	

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41	1.00 (One Number Only)	Nos.	Supply and fixing of Horizontal type 6 way 7 segment MCB distribution board in sheet steel enclosure 6A to 32 A SP MCB in flush with wall and making good of the concealed portion with earth		1No (One number)	
42	4.00 (Four Numbers Only)	Nos.	Supply and fixing of 8 way single pole and neutral MCB sheet steel enclosure distribution board of double door type with metal door with IP43 protection with 1 No. 32A DP MCB as incoming and 6 Nos. 6A to 32A SPMCB outgoing in flush with wall and making good of the concealed portion with earth connection only. The MCB DB and MCB's should be with ISI mark (like Legrant / haggen make.standard make)		1No (One number)	
43	1.00 (One Number Only)	No.	Supply and fixing of 63 Amps 4 Pole MCS sheet steel enclosure with metal door cover with IP 42 Protection with Cable entry box with 63 A 10 KA 4 PMCB		1No (One number)	
44	100.00 (Hundred Running meter Only)	RM	Supply and run of 2 of 4sqmm (56/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14SWG TC wire and making good of the concealed portion with suitable colour (SD 57)		RM (One Running metre)	

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45	20.00 (Twenty Running meter Only)	RM	Supply and run of 4 of 10sqmm (84/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14SWG TC wire and making good of the concealed portion with suitable colour		RM (One Running metre)	
46	1.00 (One Number Only)	No.	Supply and fixng of TNEB Meter Board suitable for 3 Phases 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 7/16 PVC insulated copper wire with earth connection complete		1No (One number)	
47	1.00 (One Number Only)	No	Supply and fixng of 63 A arieal fuse with 3 no's 63 A fuse 1 (500 V ) on suitable angle iron frame on the tapping pole with necessary lamps.		1No (One number)	

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48	140.00 (One Hundred And Fourty Running meter Only)	RM	Supply and run of 2 of 2.50 sqmm (35/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe on wall and ceiling along with continuous earth wire connection of 14SWG TC wire with painting suitable colour.		RM (One Running metre)	
49	21.00 (Twenty One Number Only)	No's	Supply and fixing of 300 mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall (SD114)		1No (One number)	
50	21.00 (Twenty One Number Only)	No's	Supply and fixing of louvers shutters arrangements for 300 mm (12") sweep (light duty) AC exhaust fan. SD 120		1No (One number)	
51	2.00 (Two Numbers Only)	No's	Earthing as per P.W.D standard with an earth electrode of 2 Mtr. Class 'B' GI pipe of dia not less than 32mm complete with necessary masonry work (SD 234)		1No (One number)	
			<b>Water supply arrangements</b>			

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52			Supplying laying and jointing <b>CPVC pipes</b> of super thick of approved quality and best quality conforming to ISS and with ISI mark of the following sizes including cutting threading and fixing G.I. specials but excluding cost of such specials. Fixing into Bore well / <b>below ground level</b> for erection of compressor motor, suction line air pipe etc., complete complying with standard specification.			
	60.00 (Sixty Running meter Only)	RM	<b>40mm dia CPVC Pipe</b>		RM (One Running metre)	
53			Supplying, laying and jointing <b>CPVC Pipes</b> of the following dia of approved quality and best variety <b>above ground level</b> including fixing of G.I Specials but excluding cost of such specials and cutting and threading of pipes but including fixing to the wall with necessary clamps and screws, Teak wood plugs making holes in the wall (or) drilling holes in the roof and making good of the disturbed portion to the original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges. etc., complete complying with standard specification.			

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
	85.00 (Eighty Five Running meter Only)	RM	b) 32 mm dia CPVC Pipe		RM (One Running metre)	
	80.00 (Eighty Running meter Only)	RM	b) 20 mm dia CPVC Pipe		RM (One Running metre)	
54			Supplying and fixing in position the following <b>uPVC and CPVC Specials</b> of heavy type and approved quality and good variety excluding fixing charges but including necessary cutting and threading of GI pipes, jointing the GI specials and painting with two coats with good variety and best quality synthetic enamel paint over a coat of red oxide primer and jointing the specials with pipe line using shellac etc., complete complying with standard specification. (The GI specials should be got approved by the Executive Engineer concerned before use on works.)			
	1.00 (One Number Only)	No	40 mm CPVC Tee		1No (One number)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
	7.00 (Seven Numbers Only)	No's.	40 mm CPVC Elbow		1No (One number)	
	10.00 (Ten Numbers Only)	No's.	40mm CPVC Coupling		1No (One number)	
	2.00 (Two Numbers Only)	No's.	40mm x 32 mm uPVC Reducer Elbow		1No (One number)	
	6.00 (Six Numbers Only)	No's.	32mm CPVC Coupling		1No (One number)	
	10.00 (Ten Numbers Only)	No's.	32mm x 25mm uPVC Reducer Tee		1No (One number)	
	20.00 (Twenty Numbers Only)	No's.	25mm x 20mm uPVC Reducer		1No (One number)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
	12.00 (Twelve Numbers Only)	No's.	32 mm CPVC Union		1No (One number)	
	10.00 (Ten Numbers Only)	No's.	20 mm CPVC Union		1No (One number)	
	20.00 (Twenty Numbers Only)	No's.	15 mm Pipe Nipple		1No (One number)	
55			Supplying and fixing in position the following <b>Gun Metal Wheel</b> of best approved make and heavy type quality including cost of cutting, threading of the pipes and fixing to the G. I. Pipe in position with white lead, spun yarn etc., complete complying with standard specification.			
	1.00 (One Number Only)	No	a) 25 mm dia Wheel Valve		1No (One number)	
	2.00 (Two Numbers Only)	No's.	b) 20 mm dia Wheel Valve		1No (One number)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
56	20.00 (Twenty Numbers Only)	No's.	Supplying and fixing in position <b>15mm dia brass CP screw down tap / Pillar tap</b> (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 Executive Engineer before use on the works)		1No (One number)	
57	2.00 (Two Numbers Only)	No's.	Supplying and fixing of <b>PVC water storage tank</b> of best approved quality and make of super thick with lid of capacity of 1000 litres with accessories etc., complete as directed by the departmental officer. (The PVC water storage tank should be got approved by the Engineer before use on work)		1No (One number)	
			<b>Internal Sanitary arrangements</b>			

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
58	6.00 (Six Numbers Only )	No's.	Supplying and fixing in position white / colour glazed <b>European Water Closet</b> of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin 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 (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe including cost of 600mm length of 110mm dia 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 specifications. (The EWC and flushing tank wiht all accessories should be got approved by the Executive Engineer before use on works)		1No (One number)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
59	8.00 (Eight Numbers Only)	No's.	Supplying and fixing in position best Indian make white glazed earthenware <b>Oriya type Indian water closet</b> 580mmx440mm of approved brand and best quality with P or S trap with sand cushion and after conducting necessary leakage test the portion should be filled up with brick jelly lime concrete 1:2:5 (One lime two sand and five brick jelly using 40mm size broken brick jelly) for 100mm thick encasing the water closet and top left rough to receive the floor finish and giving necessary connection to P.V.C. soil stack including dismantling masonry RCC works wherever necessary and redoing the same to the original condition without any leakage etc., complete complying with standard specification ( The water closet 'P' or 'S' trap are to be got approved from the Executive Engineer before use on work). Holes should be left in walls for taking out the pipe from 'P' or 'S' trap and these should later be plugged with concrete.		1No (One number)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
60	10.00 (Ten Numbers Only)	No's.	Supplying and fixing in position best quality and approved make Indian made white / colour glazed earthenware <b>wash hand basin of size 550 x 400mm</b> (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 officers before use on works)		1No (One number)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
61	8.00 (Eight Numbers Only)	No's.	Supplying and fixing position <b>CI Nahani Trap</b> / Floor Trap of the following 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 and five part of 40mm gauge 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 / PVC pipes, etc., complete complying with standard specification. (The Nahani Trap should be got approved by the Executive Engineer before use on works)		1No (One number)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
62			Supplying and fixing in position best quality <b>PVC soil / waste pipes</b> of various 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 Executive Engineer before use on works). The rate for earth work excavation will be measured and paid separately in the cases where			
	48.12 (Fourty Eight point one two Running meter Only)	RM	<b>a.110 mm PVC Soil Pipe</b>		RM (One Running metre)	
	25.00 (Twenty Five Running meter Only)	RM	<b>b.75 mm PVC Soil Pipe</b>		RM (One Running metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
63			Supplying and fixing in position <b>PVC specials</b> of the following dia and types of approved quality confirming to BIS and providing leak proof joints including fixing to the walls and giving connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to original condition etc., complete complying with standard specifications. (The PVC specials should be got approved by the Executive Engineer before use on works).			
	18.00 (Eighteen Number Only)	No's.	110mm dia PVC door bend		1No (One number)	
	2.00 (Two Numbers Only)	No's.	75 mm dia PVC door bend		1No (One number)	
64	2.00 (Two Numbers Only)	No's.	Supplying and fixing in position <b>CP shower rose with CP stop cock</b> arrangement of size 15mm dia inlet and 100mm outlet to the pipe line with necessary cutting, threading and jointing using shellac etc., complete complying with standard specification and as directed by the departmental officers (The CP shower rose should be got approved by the Executive Engineer before use on works).		1No (One number)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
65	18.00 (Eighteen Number Only)	No's.	Supplying and fixing approved best quality brass <b>CP towel rail 600mm long and 20mm dia</b> with brackets of same materials including cost of teak wood plugs and CP screws, etc., complete complying with standard specifications. (The tower rail should be got approved by Executive Engineer before use on works).		1No (One number)	
66	4.00 (Four Number Only)	No's.	Supplying and fixing best approved best quality <b>Brass CP soap tray of size 150 mm x 150 mm</b> including cost of teak wood plugs, brass screws, etc., complete complying with standard specifications. (The soap tray should be got approved by Executive Engineer before use on works).		1No (One number)	
			<b>External Sanitary arrangements</b>			
67	30.00 (Thirty Cubic Meter Only)	Cum	<b>Earth work open excavation</b> (Open excavation) in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 mts. within the compound in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification.		cum (one cubic metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
68	8.00 (Eight Cubic Meter Only)	Cum	Supplying and <b>filling 40mm guauge HBGS stone jelly</b> for dispersion trench including loading conveying and unloading and as directed by the departmental officers etc. complete complying with standard specification.		cum (one cubic metre)	
69	24.00 (Twenty Four Square Meter Only)	sqm	Manufacturing, supplying and fixing <b>Precast Reinforced Cement Concrete slabs</b> of following thickness in <b>RCC 1:1.50:3</b> (one cement, one and half sand and three aggregates), using following 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. 50mm thick		sqm (one square metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
70	31.12 (Thirty One point one two Running meter Only)	RM	Supplying, laying and jointing glazed <b>stone ware pipes of the following dia of approved quality with spigot</b> and socket ends and fixing them in dry condition using spun yarn and <b>cement joint</b> including petty masonry shoring and strutting wherever found necessary and laying the pipe line in the alignment at the specified gradient and testing with necessary tools and plants, etc., and re-filling the trench with excavated earth and levelling the ground etc., complete complying with standard specifications. (Earth work excavation, re-filling with excavated earth will be measured and paid separately). <b>100 mm Stoneware Pipe</b>		RM (One Running metre)	
71	6.00 (Six Running meter Only)	RM	Supplying, laying and jointing glazed <b>Stoneware pipes of 100 mm dia of approved best quality with spigot and</b> socket ends (in reverse direction) in dry condition and laid in <b>loose joints</b> (i.e.) without cement and spun yarn, so that the waste water can be drained to the trenches already available, excluding cost of earth work excavation, cost of re-filling with sand / earth, but including laying the pipe in true alignment and gradient and conducting required water supply test for draining with necessary tools and plants, etc., complete complying		RM (One Running metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
72	2.00 (Two Numbers Only)	No's.	Supplying and fixing PVC ventilating shaft of 110mm dia (having working pressure 4 kg. / sq.cm) with 3 metre height including cost of PVC cylindrical cowl of best approved quality etc., complete complying with standard specifications and as directed by the departmental officers		1No (One number)	
73			Supplying and fixing in position <b>SW specials</b> of the following dia and types of approved quality confirming to BIS and providing leak proof joints including fixing to the walls and giving connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to original condition etc., complete complying with standard specifications. (The PVC specials should be got approved by the Executive Engineer before use on works).			
	2.00 (Two Numbers Only)	No's.	100 mm Dia SW Tee		1No (One number)	
74	2.00 (Two Cubic Meters Only)	Cum	<b>Cement Concrete 1:3:6</b> (One Cement, Three sand and Six broken stone jelly) using 20mm size hard broken stone jelly, excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete.		cum (one cubic metre)	

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
75	20.00 (Twenty Square Meter Only)	Sqm	<b>Plastering the surface of walls with Cement Mortar 1:3</b> (One cement and Three sand), 12mm thick in all floors including curing etc., complete complying with standard specification and as directed by the departmental officers.		sqm (one square metre)	
			<b>Disposal of Sullage Water</b>			
76	2.00 (Two Cubic Meters Only)	Cum	<b>Brick work with Dry Bricks</b> using country bricks of size 8 <sup>3</sup> / <sub>4</sub> "x4 <sup>1</sup> / <sub>4</sub> "x2 <sup>3</sup> / <sub>4</sub> " for the following items including curing etc complete complying with standard specification. TNBP No : SS 31 and similar to 31C in Ground floor		cum (one cubic metre)	
77	1.00 (One Number Only)	No	. Supplying and fixing in position 110mm dia PVC tee of best quality with spun yarn and conducting necessary water test etc., complete as directed by the departmental officers. Complete complying with standard specification. (The stoneware specials are to be got approved by the Executive Engineer before use on works.)		1No (One number)	
78	1.00 (One Cubic Meter Only)	cum	<b>Refilling with Conveyed Gravel</b> other than sand with an initial head load of 100 mts. and depositing the earth as shown by the departmental officers in layers of not more than 15 cm thick well rammed, watered and consolidated etc. complete complying with standard specification		cum (one cubic metre)	
			<b>Fire protection arrangements</b>			

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SI No	Probable Qty	Unit	Description of work	Rate in Figure and words	Unit figures and words	Amount in figure
79	4.00 (Four Numbers Only)	No's.	Supply and fixing of stored pressure <b>ABC (Mono Ammonium Phosphate) Powder Type Fire Extinguisher</b> of 6 kg capacity as per IS :15683 with pressure Gauge, discharge hose & control nozzle, wall mounting bracket,safety clip etc including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc, complete as per standard specification and as directed by the Departmental Officers, Make: EXCELLANT / SAFETYFIRST / EQUIVALENT		1No (One number)	
			<b>Total</b>			
			<b>CGST at 6 %</b>			
			<b>SGST at 6 %</b>			
			<b>Total with GST</b>			

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