

POONAMALLEE MUNICIPALITY

SCHEDULE

Name of work: Construction of Sanitary materials storage room with toilet 4seats and 2 bath facilities for sanitary workers in poonamallee trunk road.

Estimate Amount: Rs. 17.90 Lakh

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
1	40.00	M3	Earth work excavation for foundation in Hard stiff clay, stiff black cotton, hard red earth, shales murram, gravel, stoney earth and earth mixed with small size boulders SS 20B and Sand, silt or other loose soil, wet sand, silt not under water, light black cotton soil, sandy loam ordinary soil and to full depth as may be directed except in hardrock requiring blasting inclusive of shoring shuttering and baling out water wherever necessary refilling the sides of foundation with excavated soil other than sand in layers of 15cm thick well rammed and completed, cleaning and levelling the site etc., complete - Narrow Foundations - First Depth Upto 2.00M				1 Cum (One Cubic meter)	
2	8.00	M3	Earth work excavation for foundation in Hard stiff clay, stiff black cotton, hard red earth, shales murram, gravel, stoney earth and earth mixed with small size boulders SS 20B and Sand, silt or other loose soil, wet sand, silt not under water, light black cotton soil, sandy loam ordinary soil and to full depth as may be directed except in hardrock requiring blasting inclusive of shoring shuttering and baling out water wherever necessary refilling the sides of foundation with excavated soil other than sand in layers of 15cm thick well rammed and completed, cleaning and levelling the site etc., complete - Plinth Beam				1 Cum (One Cubic meter)	
3	3.00	M3	Supplying and filling in foundation and basement with filling sand in layers of not more than 15cm thick well rammed watered and compacted etc., complete complying with standard specification.				1 Cum (One Cubic meter)	
4	8.00	M3	Plain Cement concrete 1:4:8 (one cement, four sand, eight aggregate) using 40mm gauge hand broken granite stone jelly for foundation including dewatering if found necessary and laid in layers of not more than 15 cm thick and compacted,etc., complete complying with standard specification.				1 Cum (One Cubic meter)	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
5	33.00	M2	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification - Plinth Beam				1 Sqm (One Square meter)	
6	41.00	M2	Centering for soffits of RCC slabs of plane surface like lintels, beams ,etc.,including strutting 3m high using mild steel sheets of size 90cm X 60cm X and B.G 10 stiffened with M.S angles of size 25mm X 25mm X 3mm laid over silver Oak (C.W) joists of size 10cm X 6.5cm (spaced at about 90cm c/c)and supported dy casurina props of 10cm to 13cm dia (spaced of 75cm C/C) complying with standard specification and directed - For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.				1 Sqm (One Square meter)	
7	163.00	M2	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 13cm dia spaced at not more than 75cm centre to centre etc. complete complying with the standard specificaliton. - For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.				1 Sqm (One Square meter)	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
8	28.00	M3	Providing and laying in position Standardised Concrete Mix M-20 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/ cum and maximum water cement ratio of 0.55 including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS 9103 to accelerate, related setting of concrete, improve workability without impairing strength and durability with about (5.0cum), 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum), 5156kg of 10 - 12mm machine crushed stone jelly and with about (4.79cum) 7670 kg of sand, but excluding cost of reinforcement grill and fabricating charges centering and shuttering but 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 cost etc., complete complying with standard specification and as directed by the departmental officers - The Coarse and Fine aggregates to be used should comply with the requirements of IS standards. (No separate payment will be made by the Department for the excess usage of materials) - Upto Basement				1 Cum (One Cubic meter)	
9	1.70	Mt	Supply and fabrication of steel required for all RCC items of works involved in the schedule, cost of steel at site fabrication, labour charges for cleaning the rods straightening, cutting, bending, tying grills, including overlapping to the required length whenever necessary and placing the reinforcement in position as as per design given and specified in the drawings, including cost of binding wire, provision of spacer bars, cover blocks and all other incidental charges etc complete as per standard specification				1 M.T (One Metric Tonne)	
10	4.00	M3	Brick work in CM 1:5 (one cement & Five sand) using II class ground moulded bricks of size 9"X43/8"X 23/4" standard specification including finishing, curing, etc., complete complying with standard specification (Masonry projections wherever necessary for obtaining required elevation shall be done without extra cost)- Upto Basement				1 Cum (One Cubic meter)	
11	16.00	M3	Brick work in CM 1:5 (one cement & Five sand) using II class ground moulded bricks of size 9"X43/8"X 23/4" standard specification including finishing, curing, etc., complete complying with standard specification (Masonry projections wherever necessary for obtaining required elevation shall be done without extra cost) - Ground Floor				1 Cum (One Cubic meter)	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
12	58.00	M2	Brick Partition walls in CM 1:3 (one cement & three sand) using II class ground moulded bricks of size 9"X43/8"X23/4" using hoop iron reinforcement 2 Nos of 6mm dia M.S.rod at every three alternate layers and the cost shall inclusive of iron reinforcement, Brick work etc, complete as per standard specification - Ground Floor				1 Sqm (One Square meter)	
13	19.00	M2	Brick Partition walls in CM 1:3 (one cement & three sand) using II class ground moulded bricks of size 9"X43/8"X23/4" using hoop iron reinforcement 2 Nos of 6mm dia M.S.rod at every three alternate layers and the cost shall inclusive of iron reinforcement, Brick work etc, complete as per standard specification - First Floor				1 Sqm (One Square meter)	
14	53.00	M2	Special ceiling plastering in all floors and finishing the exposed surface of RCC items of work such as slab, beam, sunshade, 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 and providing cement mortar nosing, beading for sunshade, staircase, step, landing slab etc., including neat finishing and curing etc., complete complying with standard specification and as directed by the departmental officers.				1 Sqm (One Square meter)	
15	339.00	M2	Plastering with cement mortar 1:5 (One cement and five sand) 12mm thick in all floors including cost and conveyance of all materials to site etc,complete as per standard specifications.				1 Sqm (One Square meter)	
16	10.00	M2	Supply and fixing of PVC Solid Doors using 19gauge 19mm MS Sq,tubes for styles and frames, 15mm MS Sq.tubes for to, 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 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 tabate for housing the shutter etc, complete as per standard specification.				1 Sqm (One Square meter)	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
17	2.00	M2	Supplying and fixing UPVC (Un-Plasticized PolyvinylChloride) Louvered Ventilators 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				1 Sqm (One Square meter)	
18	4.00	M3	Weathering Course with Concrete Broken Brick (S.I.No.278) & (P & D) Data 54.Jelly 20mm gauge in pure slaked lime (no sand to be added) over roof slab,the proportion of brick jelly to lime being '32 :12.5 well beaten with wooden beaters for giving required slope and thickness 80mm as directed by the departmental officers etc., complete.				1 Cum (One Cubic meter)	
19	56.00	M2	Finishing the top of roof with one course of machine pressed tiles of size 200 mm x 200 mm x 20 mm of approved quality in Cement Mortar 1:3 (One Cement add three sand) 12 mm 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				1 Sqm (One Square meter)	
20	1.00	M3	Plain Cement Concrete 1:8:16 (one cement, eight fine aggregates and sixteen coarse aggregates) using 20mm size ISS HBG metal including cost and conveyance of all materials to site and including for the mixing, laying and labour charges and all incidental charges etc., complete as per standard specification				1 Cum (One Cubic meter)	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
21	32.00	M2	Paving the floor with Vitrified Marbonite tiles of approved quality and colour of size 600x600x8mm thick of approved make, quality and colour in all floors over a base layer of cement mortar 1:3(one cement three sand) 20mm thick and laid straight alignment and pointed neatly with colour cement at the rate of 0.40kg/m2 laid without any air gap in the tiles neatly and fixing in position as per standard specifications and as directed by the departmental officer. The colour & quality of tiles should be got approved by Municipal Engineer before use on work				1 Sqm (One Square meter)	
22	25.00	M2	Paving the floor with design Antiskid ceramic tiles (colour and shade as directed) of size 305 mm x 305mm x 6 mm in all floors over a base layer of cement mortar 1:3 (one cement and three sand) 20mm thick laid in-situ and pointed with same coloured cement etc, complete as per standard specification.				1 Sqm (One Square meter)	
23	59.00	M2	Dadoing walls with Glazed tiles of sizes 305mm X200mm X 6mm size of approved make and quality and colour I Set in cement mortar 1:2 (one cement ,two sand) over 10 mm base layer plastering and pointing with white cement neatly as directed etc., complete as per standard specification				1 Sqm (One Square meter)	
24	392.00	M2	Painting two coats of newly plastered wall surface with Cement paint of first quality and of approved colour over a priming coat including preparing the surface, clean removal of dirt and including necessary plaster of paris putty wherever required etc., complete complying with standard specification.				1 Sqm (One Square meter)	
25	8.00	Rm	Providing & fixing PVC RAIN WATER DOWNFALL PIPE of 110mm dia with necessary T.W.Clamps Plugs, Shoes,Bemds, other clamps, screws nails etc.,complete complying with standard specification. The rate is inclusive of cost of removable iron gratings of appropriate size. The size of Teak Wood plugs used is 150X25mm in front & 200x75mm in rear (wall side) with a depth of 110mm. The pipe is to be fixed by means of "U" clamps at the centre of pipes to be fixed.110mm dia PVC Pipe [4 Kg/SqCm]				1 Rm One Running meter	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
26	4.00	No	Supplying and fixing in position best quality approved make white glazed earthenware wash hand basin of size 550 X 400 mm with a pair of cast iron brackets, including cost of 15mm diameter brass chromium plated pillar tape, 32 mm diameter C.P. Waste union, 32 mm diameter P.V.C. waste pipe with rubber plug and chain, 15mm diameter G.M. wheel valve, 15mm dia brass nipple, 15mm dia nylon connections etc., including fixing the wash hand basin in the wall in position with a pair of C.I. brackets with teak wood plugs and screws and giving necessary water supply connection and painting the brackets with two coats of paint over a priming coat of anticorrosive paint including testing for leakage etc., complete complying with standard specifications				1 No One Number only	
27	2.00	No	Supplying and fixing in position White Glazed European Water Closet of best quality and approved make with 100mm 'P' or 'S' trap with Double flapped rigid P.V.C. seat cover with C.P. brass hinges with 12.5 litres PVC Low Level Flushing Tank with all internal fittings etc., complete complying with standard specifications, labor inclusive of fixing low level flushing tank.				1 No One Number only	
28	2.00	No	S/F in position of Indian Make White/Colour glazed earthen ware lipped mouth Flat Back Urinal of best approved quality with G.I. Pipe connection to suitable length, 32mm bell mouthed P.V.C connection, 15mm dia G.M. Wheel valve, fixing the urinal to the wall in position with necessary T.W. plugs, clamps, screws, shellac etc., including dismantling masonry if necessary and redoing the same to original condition, fixing the 15mm dia. G.I. pipe connection and wheel valve, painting the pipe with two coats of approved paint over one coat of primer and checked without any leakage complete, complying with standard specifications.				1 No One Number only	
29	0.00	0.00	Supplying laying and jointing P.V.C pipes (6Kg/SqCm) of approved quality and best variety conforming to I.S.S & with I.S.I mark, of the following sizes including cutting, Fixing to PVC specials using Adhesive but excluding cost of such specials and fixing to wall with necessary teak - Wood Plugs, PVC Clamps and screws, making holes on the wall or drilling holes in roof and making good the dismantled portions to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges.					

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
a	30.00	Rm	32MM dia,PVC pipe				1 Rm One Running meter	
b	30.00	Rm	25mm dia.PVC pipe				1 Rm One Running meter	
c	30.00	Rm	20MM dia,PVC pipe				1 Rm One Running meter	
30	2.00	No	Supplying and fixing in position indian make bewelled edge mirror of approved quality and brand of size 600 X 450mm wth necessary plastic back, PVC frame with bottom stand of approved colour with brass screws,rawal plugs etc., complete complying with standard specifications.				1 No One Number only	
31	2.00	No	Supplying and fixing best approved quality Brass C.P anodised Towel rail 600mm. long and 20mm Diameter with brackets of same material including cost of Teak-Wood plugs and C.P.Screws etc., complete complying with standard specifications				1 No One Number only	
32	2.00	No	Supplying and fixing best approved quality C.P.Soap Tray of size 150mm X 100mm including cost of Teak Woodplugs, brass screws complete complying with standard specifications.				1 No One Number only	
33	6.00	No	Supply and fixing of PVC. Nahini / Floor Trap with stainless Steel Gratings - 100 mm x 75 mm including all charges etc, complete as per standard specification.				1 No One Number only	
34	0.00	0.00	Supplying laying and jointing G.I. Pipes of approved quality and best varity of B Class pipe of the following sizes including fixing G.I specials but excluding cost of such specials cutting threading of pipes and fixing to wall with necessary teak wood plugs, clamps and screws masking holes on the wall or drilling holes in roof and making good the dismantled portions to original conditions with necessary brick work and concrete and plastering where ever necessary with necessary scaffolding charges. The pipes are to be painted with two coats of good variety and best approved quality of synthetic enamel paint over a priming coat of red-oxide primer etc., complete.					
a	30.00	Rm	20MM dia,G.I pipe				1 Rm One Running meter	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
b	30.00	Rm	25MM dia,G.I pipe				1 Rm One Running meter	
c	30.00	Rm	32MM dia,G.I pipe				1 Rm One Running meter	
35	0.00	0.00	Supplying and fixing in position first quality and approved variety of Gun Metal Gate Valve (Heavy type) with I.S.I.mark of the following sizes including cost of Shellac , thread etc.,including labour for cutting and threading of G.I.Pipes etc.,complete complying with standard specifications for both internal and external water Supply arrangements.					
a	2.00	No	20mm dia G.M.Gate Valve				1 No One Number only	
b	2.00	No	25mm dia G.M.Gate Valve				1 No One Number only	
c	2.00	No	32mm dia G.M.Gate Valve				1 No One Number only	
36	6.00	No	Suppling and fixing in position 15mm.diameter brass screw down tap (heavy duty) of approved make conforming to I.S.specifications and quality including cost of shellac, thread etc.complying with standard specifications and including cutting and threading wherever necessary.				1 No One Number only	
37			Supplying and fixing in position P.V.C. specials such as plain bend, door bend, plain tee, door tee, offsets,Y-junction, plain or with door of various sizes best quality confirming to I.S.S and providing leakproof joints including fixing to wall and giving connection to the P.V.C, soil stacks, dismadling the brick masonry or R.C.C. floor or Roof slab and redoing the dismantled portion to original condition etc., complete complying with standard specifications.					
a	5.00	No	110mm dia PVC Elbow				1 No One Number only	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
b	5.00	No	110mm dia PVC Tee				1 No One Number only	
c	5.00	No	110mm dia PVC Door Elbow				1 No One Number only	
d	5.00	No	110mm dia PVC Door Tee				1 No One Number only	
e	5.00	No	110mm dia PVC Door Yee				1 No One Number only	
f	5.00	No	90mm dia PVC Elbow				1 No One Number only	
g	5.00	No	90mm dia PVC Tee				1 No One Number only	
h	5.00	No	90mm dia PVC Door Elbow				1 No One Number only	
i	5.00	No	90mm dia PVC Door Tee				1 No One Number only	
j	5.00	No	90mm dia PVC Door Yee				1 No One Number only	
38	0.00	0.00	Supplying and fixing in position best quality P.V.C soil/ waste pipes (6KSC) of various sizes having ISI mark and providing leakproof joints including fixing to the wall with P.V.C/ M.S clamps etc., and making connection to all sanitary fittings, dismantling masonry/R.C.C. works wherever necessary and making good the dismantled portion to the original condition, complying with standard specifications.					
a	10.00	Rm	110mm dia PVC 6KSC Pipe				1 Rm One Running meter	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
b	10.00	Rm	90mm dia PVC 6KSC Pipe				1 Rm One Running meter	
39	10.00	Pt	Wiring with 2 x 1.5 sqmm (22 /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 inflush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch with continuous earth wire connection of 14 SWG TC wire for making good of the concealed portion with suitable colour for PVC concealed light point / Fan point (For Electronic regulator). SD 23				1 pt (One Point)	
40	2.00	Pt	Wiring with 2 x 1.5 sqmm (22 /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 inflush with wall with 150 x 100 x 113 mm TW switch box with 3mm hylum sheet cover for 5A 3 pin non inter locking CS plug with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed PVC plug point. SD 38				1 pt (One Point)	
41	80.00	Rm	Supply and run of 2 of 1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour. SD 54				1 Rm One Running meter	
42	10.00	No	Supply and fixing of single box type 4'36 W flu fitting complete with copper choke and condensor with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting SD 87				1 No One Number only	
43	1.00	No	Earthing as per P.W.D. standard with an earth electrode of 2Mtr. Class 'B' GI pipe of dia not less than 32mm complete with necessary masonry work.SD 234				1 No One Number only	
44	1.00	No	Supply and fixing of Horizontal type 4 way triple pole neutral MCB distribution board in sheet steel enclosure with 40 A 4 pole MCB isolater as incoming and 12 Nos. 6A to 32 A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. The MCBDB and MCB's should be with the ISI mark (lik standard make) SD. 179				1 No One Number only	

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					Figures	Words		
45	30.00	Rm	Supply and run of 2 of No.8 SWG GI wire for guarding with cradle with No.8 SWG GI wire at the equal interval of 1.5m SD.75				1 Rm One Running meter	
46	30.00	Rm	Supply and run of 4 X 6 sq.mm (84/0.3) 7/20sqmm PVC unshealed copper cable in suitable PVC rigid pipe concealed on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour SD 68				1 Rm One Running meter	
47	1.00	No	Supply and fixing of TNEB Board suitable for 3 Phases 63A 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 1/2 feet of 6mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos 63A 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.SD 129				1 No One Number only	
48	17.00	M3	Supplying and filling in foundation and basement with Well Gravel in layers of not more than 15cm thick well rammed watered and compacted etc., complete complying with standard specification.				1 Cum (One Cubic meter)	
49	12.88	Rm	Supply and fixing of Stainless steel (Salem stainless steel) Door frame (Box section using stainless steel plate of 1.6mm thick) of size 100mm X 60mm with a rebate of 30 / 35mm X 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel holdfast etc.				1 Rm One Running meter	
50	4.00	M2	Supplying & fixing door shutters for Medium Density Fiber Board of exterior grade 35 mm thick, single leaf 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 three coats of best quality varnish but excluding cost of furniture fittings. such as 300 mm tower bolt 2nos, 200mm tower bolt 1 no. 300mm Aldrop 1 No. Alu handle ornamental type 2 Nos, and 1 No. Door stopper etc complete.				1 Sqm (One Square meter)	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
51	3.00	No	Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 25GSM 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 spag 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				1 Sqm (One Square meter)	
52	1.00	No	Investigation charges for Geophysical survey finding of yield to the point drilling of Borewell for all etc., complete				1 No One Number only	
53	0.00	0.00	Drilling of 125mm (4 1/2") nominal Dia vertical borewells anywhere in Tamilnadu in all formations, suitable for down the hole hammer drilling such as medium hard rock to hard rock formation, consolidated formation etc. and drilling over burden to a Dia not less than 200mm including insertion of 165 mm PVC casing pipe, couplings caps and other relevant materials required up to the depth as directed by the Engineer or his representative including grouting of cement 25kg (minimum) up to the depth of over burden are including borewell development flushing of borewell at a pressure 7kg/cm ² (100 lb. per square inch) including yield test, crew charges, cost of consumables, transportation charges of casing pipes and all other materials including assembling complete to the satisfaction of the Engineer and as stipulated in the technical specification. The entire works should be carried out as per IS 2800 Part I & II / 1979. Finished Dia of borewells shall not be less than 145mm					

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a	20.00	Rm	Upto 60m depth				1 Rm One Running meter	
54	1.00	No	Supply and delivery of clear water vertical wet type submersible pump suitable for 150mm Dia borewell conforming to IS 8034/2002 as amended thereafter and BEE 3 Star Rated capable of discharging noted LPM against head of water column due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze or Cast SS impeller, brass screws and CI FG 200 grade pump bowl/diffuser with ISI mark. The pump shall be directly coupled to a continues rated two pole suitable wet type vertical squirrel cage induction motor as per IS 9283 /1995 and as amended there after, suitable for operation in AC three phase 415 V+/- 10 %, 50 HZ +/- 5 % (PAGE 88) (50 Lpm X 60 m)				1 No One Number only	
55	1.00	No	Labour Charges for the erection of Submersible pump set in borewell including fixing and jointing submersible cable with proper clamps up to the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, and erection of panel board consisting of TPICN switches starter voltmeter, Ammeter, three point (indicating) lamps capacitor single phasing preventor and laying and jointing the cable and twin earthing for etc., Complete and testing the pump set and trail run for 10 days.				1 No One Number only	
56	0.00	0.00	Supply and Delivery of 150mmdia PVC casing Pipes including cost and conveyance of materials and Labour charges etc. complete as per standard. specifications					
a	20.00	Rm	150mm Dia PVC Casing Pipe				1 Rm One Running meter	
57	1.00	No	Supply and delivery of 3 phase panel board star delta with two level guard and auto start to suitable for 5 HP submersible pump set etc. complete				1 No One Number only	
58			Supplying delivery of G.I and PVC Pipes and specials of approved quality and best verity of B Class pipe including cost conveyance of materials to work site etc., complete.					

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
a	36.00	Rm	50mm Dia G.I Pipe				1 Rm One Running meter	
b	6.00	No	50mm Dia G.I Coupling				1 No One Number only	
c	2.00	No	50mm Dia G.I Elbow				1 No One Number only	
d	1.00	No	50mm Dia G.I Union				1 No One Number only	
e	1.00	No	50mm Dia Non Return valve				1 No One Number only	
f	1.00	No	Borewell Clamp set				1 No One Number only	
g	1.00	No	Borewell Cover Plate				1 No One Number only	
h	20.00	Rm	40mm Dia PVC pipe				1 Rm One Running meter	
i	1.00	No	40 mm Dia PVC Coupling				1 No One Number only	
j	1.00	No	40 mm Dia PVC Elbow				1 No One Number only	
k	1.00	No	40 mm Dia PVC Bend				1 No One Number only	
l	1.00	No	40 mm Dia PVC Reducer 50 x 40 mm				1 No One Number only	

Sl. No.	Probable Quantity		Description of work	TNDSS Number	Rates in		Units in words	Amount (Rs.)
					Figures	Words		
59	60.00	Rm	Supply and delivery of PVC includes and sheeted 3 core flat type 4.00sq.mm castle conformists				1 Rm One Running meter	
60	L.S		Provision for Goods Service Tax @ 12%					

Schedule Item 1 to 60 Only