

ELAMPILLAITOWN PANCHAYAT								
TENDER SCHEDULE								
Name of work: Construction of New PHC building (ua / Main) @ ElampillaiPHC in ElampillaiTown Panchayat.								
Contract value :				Estimate Amount: Rs. 50.00 lakhs				
Sl. No	Quantity		Description of work	TNDSS & Specificati on No.	Rate in		UNIT	AMOUNT
					Figures	Words		
1	2		3	4	5	6	7	8
1			Earth work excavation for foundation in Hard stiff clay, stiff black cotton, hard red earth, shales murrum, gravel,stone earth and earth mixed with small size boulders SS.20B and Sand,silt or other loose soil, wet sand,or 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 depositing the surplus excavated soil with in the compound in places shown by the departmental officers with intial lead and lifts and cleaning and levelling the site etc.,complete as per TNSS 23 & 24, V, VI (S2), VII, 9,10					

A	118	m3	First Depth - Made up soil	<b>23 &amp; 24V, VI (S2)VI 9</b>			1M3 (One cubic metre )	
B	184	M3	SDR	<b>24 &amp; 24V, VIv(S2) VI 9</b>			1M3 (One cubic metre )	
2	12	M3	Supplying and filling the basement with M.Sand Layer of not more than 15cm thick including watering with all layers and consolidation complying with standard specification including cost and conveyance of Gravel at site and all labour charges and all other incidental charges etc., complete as per Standard Specification	<b>24 &amp; 25 V, VI (S2)</b>			1M3 (One cubic metre )	
3	36	M3	Plain Cement Concrete of mix 1 : 4 : 8 (One part of Cement four part of sand eight part of aggregates) using 40mm gauge hard broken including cost conveyance of all materials to site including formwork and centering labour charges, transporting and placing in position including shoring, strutting, forming protective bunds, cofferdams bailing out of water labour for mixing compacting, finishing and curing, working at depths, tools and plants and incidental charges such as sheeting, shoring and bracing and their subsequent removal etc., complete as per standard specification. TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII	<b>28 V, VI S25, 8</b>			1M3 (One cubic metre )	

4	10165	Kg	Supplying, fabricating and placing in position M.S. or R.T.S. reinforcements grill for RCC works as per the design given including cost of steel and binding wire etc., complete complying with standard specification. (The contractor will have to make his own arrangements for the supply of M.S. plain rods / RTS rods and binding wire)	special			1 Kg (One Kili grame)	
5			Supplying and erecting centering for Sides and Soffits including necessary supports and strutting upto 3.29mt height for plane surfaces as detailed below in all floors with all cross bracings using mild steel sheets of size 90mm x 60mm and 10BG stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia supported at not more than 75cm centre to centre etc complete Complying with standard Specification without Strutting.( TNSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII					
A	167	M2	Column Footing	30 (S) 86, 86A V. VI (S3) VII			1M2 (One squire metre )	
B	192	M2	Column	30 (S) 86, 86A, V, VI (S3) VII			1M2 (One squire metre )	
C	344	M2	Roof Slab	30 (S) 86, 86A, V, VI (S3) VII			1M2 (One squire metre )	

6			Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of R.C.C 1:1 1.5:3 Mix for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and down graded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including cutting, fixing, fan clamps etc as per standard specifications and as directed by the departmental officers complete complying with standard specifications complete. 30 V, VI (S5) VII & 13					
A	47	M3	For column footing	30 (S) 86, 86A, V, VI (S3) VII			1M3 (One cubic metre )	
B	28	M3	Column up to Roof beam	30 (S) 86, 86A, V, VI (S3) VII			1M3 (One cubic metre )	
C	32	M3	Roof Slab	30 (S) 86, 86A, V, VI (S3) VII			1M3 (One cubic metre )	

7	2	m3	Reinforced Cement Concrete 1:8:16 Mix (One part cement, eight part sand and sixteen part of aggregate)using 20mm size ISS HBG metal machine crushed from approved quarry including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing but excluding cost of reinforcement etc. Complete with std. Specifications as per TNDSS NO: 30 V, VI (S3), VII-3.	<b>V, VI (S3), VII-3</b>			1M3 (One cubic metre )	
8	254	m3	Supply and filling of well gravel including cost and conveyance of all etc comolete Complying With standard specification for filling in foundation and basement complying with standard specification and all labour charges and all other incidental charges etc., complete	<b>24 &amp; 25 V, VI (S2)</b>			1M3 (One cubic metre )	
9			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 31 & Similar to 31C V, VI (S5) VII				1M3 (One cubic metre )	
A	23	M3	Below Basement	<b>31 &amp; Similar to 31C V, VI (S5) VII</b>			1M3 (One cubic metre )	
B	93	m3	Ground Floor	<b>32 &amp; Similar to 31C V, VI (S5) VII</b>			1M3 (One cubic metre )	

10	133	M2	Special ceiling Plastering in Cement Mortar 1:3 Mix (one Cement, Three sand ) 10mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete . complying with std. specifications-10 m2.	<b>56 &amp; 57 V (S4) 3</b>			1M3 (One square metre )	
11	808	M2	Plastering in Cement Mortar 1:5 Mix (one part of Cement,, five part of sand)12mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete. Complying with std. specifications.TNDSS NO: 56, 57	<b>56, 57 V (S4) 3</b>			1M2 (One square metre )	
12	194	M2	Paving the floor with descrgned coloured vitrified tiles of size 600 x 600 x 8mm of best quality and approved variety complying / confirming ISI specification land over cement mortar 1:3 (one cement and three sand) 20mm thick and pomted with same coloured cement neatly etc., complete.	<b>39F</b>			1M2 (One square metre )	
13	243	M2	Dadooing the walls with glazed tiles of 15 c.m x 15c.m 6mm size laid in cement mortar 1:2 mix 10mm thick and pointing with 0.40 kg white cement per m2 etc.	<b>39F</b>			1M3 (One square metre )	
14	23	M2	Floor finishing with fully using best quality of fully ceramic tiles of size 30cm x 30cm x 6mm over the base plastering cement mortar 1:3 mix, 20mm thick pointing with using white cement 4kg/10sq.mt. inculing cost and conveyance of all materials and all labour charges. Etc. complete.	<b>39F</b>			1M2 (One square metre )	

15	6	no	Supplying and fixing in position colour glazed EUROPEAN WATER CLOSET with 'P' or 'S' trap and double flapped seat cover, 12.50 litres capacity P.V.C. low level FLUSHING TANK including all internal fittings fixed on C.I. brackets, 12mm PVC or brass nipple, chromium plated brown headed stopcock, 12mm nylon connection with necessary teakwood plugs, clamps, screws to the portion coming with walls and floors, including dismantling masonry and redoing the same to the original condition.	special			1No (One Number )	
16	8	NO	Supplying and fixing in position best Indian make colour glazed earthenware WASH HAND BASIN of 560x406mm with a a pair of C.I. Brackets, 15mm dia C.P. Pillar tap, 32mm G.I. Waster water pipe, 32mm dia C.P. Brass waster coupling, plug with chain, 15mm dia PVC connection, 15mm G.M. wheel valve with ISI mark and necessary G.I. union and G.I. Elbow, including fixing wash hand basin in position with white lead, clamps, teakwood plugs, screws, rubber washer etc., complete without any leakage complying with standard specifications.	special			1No (One Number )	

17	36	m2	<p>Fabricating, supplying and fixing in position of SOLID UPVC DOORS with frames of different sizes as per the specifications given below: PVC door frames made out of best quality PVC extruded section of 40mm * 58 mm * 2.50 mm +/- 0.3 mm thick, having multichamber cross section and duly reinforced with steel to be mitre cut at the corners and welded including providing tie rod at the bottom and necessary weather seal etc., and PVC door shutters made out of extruded plastic section of 60 mm * 24 mm size in the configuration of an "A" section for shutter frames and multichamber hollow plastic section of 200 mm * 200 mm * 1 mm (average thickness) with tongue and groove section for panels etc., with necessary holdfasts, rubber beddings, furniture fittings, locking arrangements etc., complete including dismantling the masonry, making chippings, holes in the RCC column, beam etc., wherever necessary with power drill to the extent required and redoing the same to the original condition after fixing etc., complete as per specifications and as directed by the departmental officers.</p>	special			1M2 (One square metre)	
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18	22	M2	<p>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 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work</p>	special			1M2 (One square metre )	
			<p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride)</p> <p>Louvered Ventilators of from the profile the size of outer</p> <p>frame 60mm x 58mm and shutter profile size of 60 x 78mm</p>					

19	2	M2	<p>both profiles are reinforced with GI/1mm 125GSM and</p> <p>100% corrosion free, the profile are multi chambered</p> <p>sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter.</p> <p>The corners and joints should be welded and cleaned.</p> <p>Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with</p> <p>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</p>	special			1M2 (One squire metre )	
20	941	m2	<p>Painting the new plastered walls with two coats of Exterior emulsion paint (weather proof ) first class quality and of approved colour over a priming coat including thorough scrapping clean removal of dirt etc. complete and including necessary plaster paris putty etc. wherever required.as per (ISI STD) (It mustprovide excellent resistance against the growth of algae and fungi on the walls. And it must offer excellent protection against alkali and UV degradation and the durability period should be 5 years. 61 V, VI (S4) 3</p>	61 V, VI (S4) 3			1M3 (One cubic metre )	

21	15	M2	Weathering course over roof slab using 20 mm size brick jelly mixed with pure slacked lime no sand to be used the proportion being 32:121/2 including cost and convenience of all materials to working site, well beating with wooden beaters giving necessary slope and thickness including finishing neatly etc.	<b>51 (10-1) V, VI (S5) VII,3</b>			1M2 (One cubic metre )	
22	188	M3	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	<b>44 H V, VI, (S5A) VII, 3</b>			1M3 (One cubic metre )	
23	660	Kg	Supply and fixing of M.S Grills with Doors and Windows with one coat of Red oxide with Primer including all costs such as welding, grinding and fabrication charges, cost and conveyance of all materials to site etc,complete as per standard specification.					

24	22	M2	Painting the new iron work with two coats of best pproved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat and including cost of painting materials, brushes, putty, preparation of surfaces and scaffolding charges etc., complete complying with standard specification and as directed by the departmental officer.					
25	40	No	Wiring with 2 x 1.5 sqmm (22 / 0.3) PVC insulated SC unsheathedCu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush 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)				1No (One Number )	
26	15	No	Wiring with 2x1.5sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100 V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with 150 x 100 x for open PVC plug point.inter locking CS plug with painting of suitable colour with continuous earth wire connection of 14 SWG TC wire for PVC Plug Point (SD-36)				1No (One Number )	

27	10	No	Wiring with 2x4 sqmm(56/0.3) PVC insulated SC unsheathed Cu.Conductor cable of 1100V grade in suitable pipe on wall and ceiling with PVC accessories with 150 mm x 100 mm x 63mm TW switch box for 15 A 3 pin non inter locking CS plug with painting of suitable colour, with continuous earth wire connection of 14 SWG TC wire for open PVC power plug point. (SD-39)				1No (One Number )	
28	25	No	Supply and fixing of single box type 4'x18w crystal glass LED Tube light with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting. (SD-88)				1No (One Number )	
29	12	No	Supply and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 1meter down rod on the existing clamp. (SD-107)				1No (One Number )	
30	10	No	Supply and Fixing of WT Bulk Head Fitting with guard (Philips / Bajaj / K. Lite) Suitable for 11W CFL Lamp with CFL (SD-83)				1No (One Number )	
31	4	No	Supply and Fixing of 48w Outdoor LED Street Light Fitting (PWD SOR 17-b)				1No (One Number )	
32	30	No	Supply and laying of 31/2 x 25 sqmm pvc armoured LTUG Cable in a trench to be excavated at a depth of 0.75m putting 0.150 layer of sand and covering the cable completely (SD-204)				1No (One Number )	

33	1	Rm	Supply and fixng of TNEB Meter Board suitable for 3 Phases 200A service connection made up of suitable angle iron frame work of size 3 feet x 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 3 feet x 2 feet of 12mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos 200A 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 19/16 PVC insulated copper wire with earth connection complete - SD 131				1No (One Number )	
34	32	M	Supplying and fixing in position best approved of BIS quality PVC rain water down fall pipes 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..107 V, VI (S1) VII	special			1M (One metre )	

35	15	Rm	Manufacturing, Supplying and Fixing of Manufacturing, Supplying and Fixing of Stainless Steel Handrails for staircase using 50mm dia 304L Grade Stainless Steelpipe 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 PWD SOR Page No: 57 Sl. No : 244	special			1M (One metre )	
36	3	m3	Supply of 40mm ISS HBG metal from approved quarry and filling the same, including cost and conveyance of materials, labour charges for filling, etc., complete.	special			1M3 (One cubic metre )	
37	2	m3	Supply of 20mm Brick Jelly from approved quarry and filling the same, including cost and conveyance of materials, labour charges for filling, etc., complete.	Special			1M3 (One cubic metre )	
38	3	m3	Supply of 20mm ISS HBG metal from approved quarry and filling the same, including cost and conveyance of materials, labour charges for filling, etc., complete.	Special			1M3 (One cubic metre )	

39	2	nos	Supplying and fixing in position best Bevelled Edge MIRROR of 6mm thick of size 50cm x 40cm fibre glass shelf type with necessary plywood backing and rubber button, chromium plated screws, teakwood plugs, etc., complete complying with standard specification and as directed by the departmental officers.	special			1 No (One Number)	
40	2	nos	Supplying and fixing in position best Indian make Aluminium anodised TOWEL RAIL of approved quality and size 60cm long and 20mm dia with brackets of same material including fixing with necessary teak wood plugs C.P. Screws etc., complete as directed by the departmental officers.	Special			1 No (One Number)	
41	2	nos	Supplying and fixing of 18mm - 20mm thick white marble slab as partition for urinals including cutting to the required size and shape including fixing in wall and flooring including cost of slab and fixing for labour etc., complete.	Special			1 No (One Number)	
42	50	M	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	Special			1 No (One Number)	
			making good the dismantled portion to the original					



43	1	nos	Supplying and fixing of 1000 liters capacity PVC tank of approved quality including cost of all materials like tank fittings, lead .lift, errection etc	Special			1 No (One Number)	
			complete. PWD SOR PGNO:50					
44			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					
	2	nos	25mm Gum Metal Valve	Special			1 No (One Number)	
	2	nos	32mm Gum Metal Valve	Special			1 No (One Number)	
45			Suppling and fixing in position 15mm.diameter brass / C.P screw down tap / pillar tap (heavy duty) of approved make conforming to I.S.specifications and quality including cost of shellac, thread etc.complying with standard specifications and					
	9	nos	Pillar Tap	Special			1 No (One Number)	
			P.V.C. Pipes (10Kg/SqCm) Supplying laying and jointing P.V.C pipes (10Kg/SqCm) of approved quality and best variety conforming to I.S.S & with					

46			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					
	50	M	32mm dia Pipe					
47			Supplying PVC Specials (with working pressure 10 kg. / sq.cm.) in water supply arrangements (both in internal and external water supply arrangements					
			Coupler					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	
	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	
			Elbow					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	
	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	
			BEND					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	

	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	
			Tee					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	
	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	
			End Cap					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	
	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	
			Reducer					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	
	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	
			Reducer Tee					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	
	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	
			Reducer Elbow					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	
	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	

			Jet Nipple					
	5	nos	25mm dia Pipe	<b>Special</b>			1 No (One Number)	
	5	nos	32mm dia Pipe	<b>Special</b>			1 No (One Number)	
48			Supplying and fixing in position PVC specials 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					
			PVC Elbow					
	5	nos	110mm dia	<b>Special</b>			1 No (One Number)	
			PVC Elbow with Door					
	3	nos	110mm dia	<b>Special</b>			1 No (One Number)	
			PVC Tee					
	5	nos	110 mmdia	<b>Special</b>			1 No (One Number)	
			PVC Tee with Single Door					
	5	nos	110mm dia	<b>Special</b>			1 No (One Number)	

49	4	nos	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	Special			1 No (One Number)	
			specification.(D)					