

3

**Electrical Work Estimate For Construction of the Institution Toilet Block  
at Tarakeswar Girls' School Ward no 14 within Tarakeswar Municipality**

A

No. Of seat - Male - ( W.C. -2 + Urinal -2) & Female - (W.C. -2 + Urinal -1) = Total ( W.C. -4 & Urinal -3)

Rate As per PWD Electrical Works ( Volume 1) With effect from 01.11.2017, WB I & WD & UD & MA schedule

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
1	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. PVC clips, fittings etc. to light/fan/call bell point with piano key type switch (Anchor make) fixed on sheet steel fabricated switch board with Perspex/bakelite top cover on wall incl. necy. connections and making earthing attachment and mending good damages to building works. [PVC casing-capping and Switch board both on surface] Average run 5 mtr (PWD sch P- E-11, I-2a) <i>(Rigid conduit)</i>	<del>18</del> 20	<del>577.00</del> 612/-	Point	<del>10386.00</del> 12240.00
2	Supplying and fixing Sheet steel Main Switches on flat iron frame on wall 240V DP with fuse on L&N 32 A [Make- Havells] <i>Soma Rccb (legromd)</i> [PWD Schedule Page No-D-1 Item No-1(a)] <i>92</i>	1	<del>1277.00</del> 5942/-	Nos	<del>1277.00</del> 5942.00
3	Wiring in 1.1 KV grade single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) of following sizes in 25mm PVC casing-capping (Precision make) incl. necy. PVC clips, fittings etc. 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC [PWD Schedule Page No-E-11 Item No-1c]	<del>25</del> 22	<del>102.00</del> 119/-	mtr	<del>2550.00</del> 2618.00
4	Supplying and fixing MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, <i>(2+4) way</i> connection & provision for earthing attachment <i>(4 way)</i> MCB enclosure) [PWD SCH P-D.9 Item-11] <i>13</i>	1	<del>316.00</del> 1143.00	No	<del>316.00</del> 1143.00
5	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection 6-32A SP MCB (Make -Havells) [PWD Schedule Page No-D-6;Item No-7]	4	168.00	Nos	672.00
6	Supply of TMC501 conventional industrial batten philips LED Tube,model no- TMC501 P1xT-LED 22W P3241 (WB I & WD schedule P-113, I- 5:3 F.22)	<del>4</del> 5	451.00	Nos	<del>1804.00</del> 2255.00
7	Fixing only single/twin flurosent light fitting complete with all accessories directly on wall/ceiling by screws etc.. [PWD Schedule Page No-C-2;Item No-14a]	<del>4</del> 5	86.00	Nos	<del>344.00</del> 430.00
8	Supply & fixing Bulk head light fittings with die cast aluminium housing frosted/clear glass on wall/ceiling incl S/F 9 watt LED Lamp complete set. [Make - Havells] (PWD sch - Page--D-13, I-23)	<del>8</del> 7	<del>644.00</del> 654.00	Nos	<del>5152.00</del> 4578.00

9	Supply & fixing smart bright street light complete with all accessories to be fixed from the wall of building or on pole incl. making holes /providing clamping arrangement & necy. GI reducer as required.S&F 40 mm GI Pipe 1.5 mtr average length & s&f necy length of 1.5 sqmm pvc insulated single core copper wire & making connections as required & mending good damages incl wall paingting. (30 Watt) <b>(Make - Bajaj)</b> <b>[WB I&amp;WD sch P-5:3 , I-f.9.0.2]</b>	2	3016.00	Nos	6032.00
10	Supply of 12" domestic metal exhaust fan 230V 50 Hz (Model- Trans Air 12" Grey) ( <b>Make-Crompton/Havells/Bajaj</b> ) <b>(UD &amp; MA schedule P-14, I-5)</b>	<del>2</del> 4	2093.00	Nos	<del>4186.00</del> 8372.00
11	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust of following diameter: 30 cm (12") <b>[PWD Schedule Page No-C-4;Iteam No-28(b)]</b>	<del>2</del> 4	329.00	Nos	<del>658.00</del> 1316.00
12	Fixing only louver shutter/cowl on wall with necy. bolts & nuts (6 mm dia x 62 mm long) For 30 cm(12") Exhaust fan <b>[PWD Schedule Page No-C-4;Iteam No-28(b)]</b>	<del>2</del> 4	110.00	Nos	<del>220.00</del> 440.00
13	S/F 240V 25A Modular type starter (brand approved by EIC)with 25 A. Modular switch DP MCB (C-Curve)and 4 Module G.I. Moduar type switch board with 4 Module Top Cover Plate flushed in wall incl. S/F switch board and Cover Plate and making necy. Connections with PVC Copper wire and earth connectivity wire etc. as per schedule <b>[for Pump]</b> <b>[PWD Schedule Page No-E-19, Item No-17] (Please follow in details)</b>	1	784.00	Nos	784.00
14	Supply and Fixing of 2 mm Polyvinyl glow sign board made of 22 SWG GI sheet box with 1"X1" aluminum channel for fixing the vinyl board after necessary cutting the letter as required & s\f LED tube light fittings along with all accessories. (16 sqft @495.00/sqft) <b>(UD &amp; MA schedule P-14, I-4)</b>	1	7920.00	Nos	7920.00
15	<del>Supply &amp; Fixing 240 V, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (CCurve) and 4 Module GI Modular type switch board with 4 Module top cover plate flushed in wall incl. S&amp;F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. ( For pump) PWD Shedule Page - E-19, Item No. -17</del>	<del>1</del>	<del>784.00</del>	<del>Nos</del>	<del>784.00</del>
16	<del>Fixing only outdoor / street light type fluorescent light fitting complete with all accessories to be fixed/projected from the wall of the building incl. making holes to building, S&amp;F 40 mm dia GI pipe (ISI-Medium) 1.50 mts. .... (A8) PWD Shedule Page - C-3, Item No. -19</del>	<del>1</del>	<del>722.00</del>	<del>Nos</del>	<del>722.00</del>
17	Supply & Fixing of P/M set (1 H.P) Monoblock for U/G Reservoir (Cromptom/ Havells)	1	6350.00	Each	6350.00

18	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts.ng and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers incl. S & F 15 mm dia GI pipe protection (1 Mts. long) to be filled with bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level as below: (a) By ISI-Medium GI pipe Set PWD Elec. It No. 2(a) Page. G-1	1	1369.00	Nos	1369.00
			62461.00	Sub Total of ( C )	51526.00
			11242.98	Add S.G.S.T. @ 18% 9%	4637.34
				Add C.G.S.T. @ 9%	4637.34
			73703.98	Cost Of Electrical Work	60800.68
			737.03	Add L.W.C. @ 1%	608.01
			74441.01	Total payable Amount Including L.W.C.	61408.69
			2211.11	Add Contingency @3%	1824.02
			76652.12	Total payable Amount Including L.W.C. and contingency	63232.71
			76,652.00	Say Rs.	63233.00
In Word ( Say ) : Rupees Fifty Two Thousand Four hundred Sixty Four only					

*JSM*  
14.10.25  
Sub Assistant Engineer  
Tarakeswar Municipality

*Chairman*  
CHAIRMAN  
TARAKESWAR MUNICIPALITY

Technically Vetted Rs.: 76,652.00  
(Rupees Seventy Six Thousand Six hundred fifty two only.)

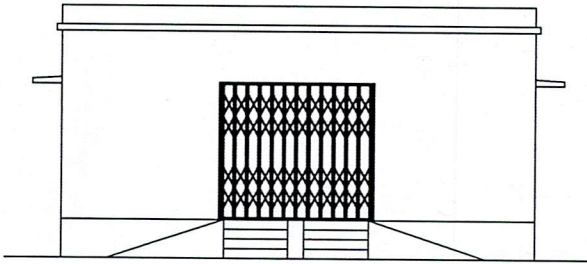
*[Signature]*  
17.12.25  
Junior Engineer  
Electrical & Mechanical Division  
SUDA

*[Signature]*  
17.12.25  
ASSISTANT ENGINEER  
ELECTRICAL & MECHANICAL DIVISION  
SUDA

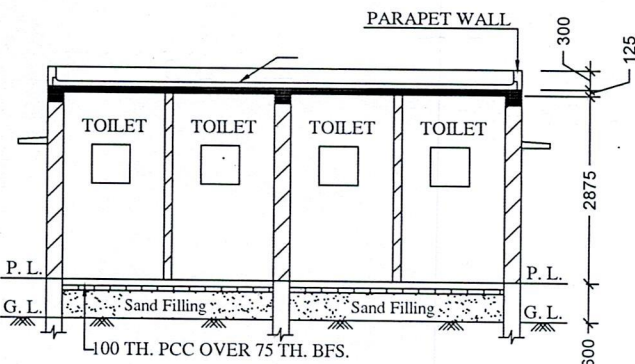
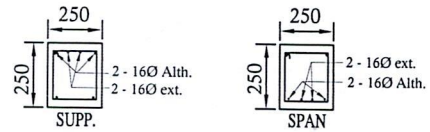
*[Signature]*  
17/12/25  
Executive Engineer (E/M)  
O/O the Secretary M.E. Dte.  
Government of West Bengal

25 TH. IPS. OVER 125 TH. RCC ROOF SLAB

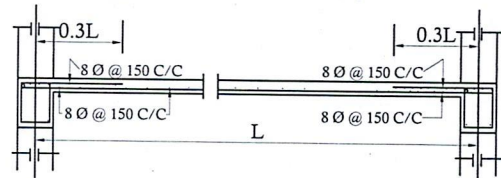
# DRAWING FOR CONSTRUCTION OF C. T. AT TARAKESWAR GIRL'S SCHOOL WARD NO. 3



**FRONT ELEVATION**

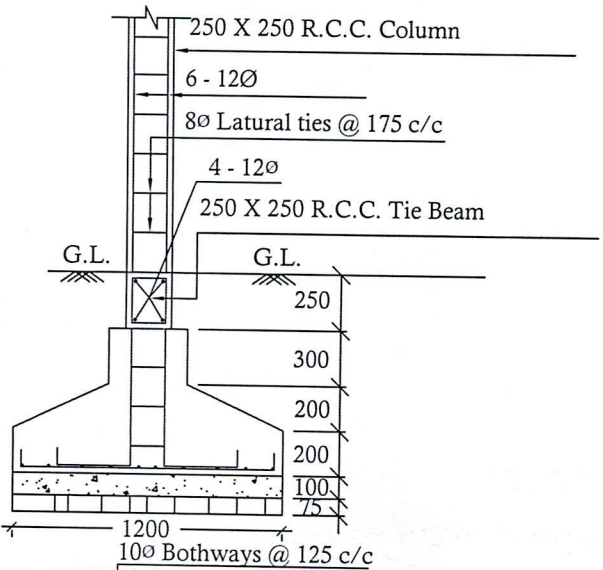


**SECTION - 'A - A'**



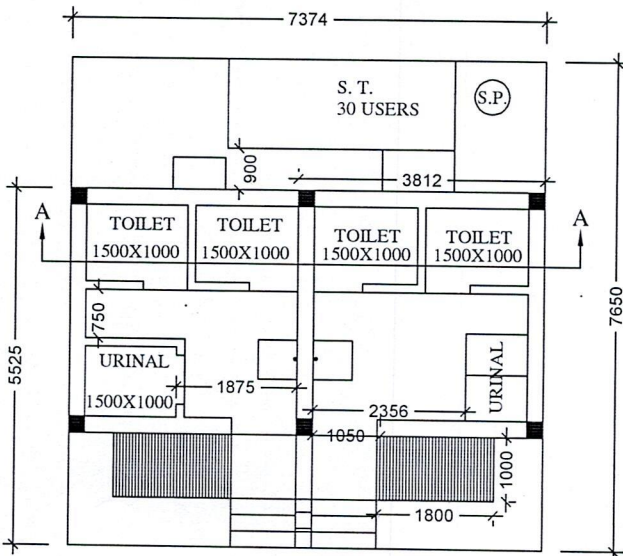
**Details Of R.C.C Roof Slab & Beam**

(SCALE - 1 : 25)

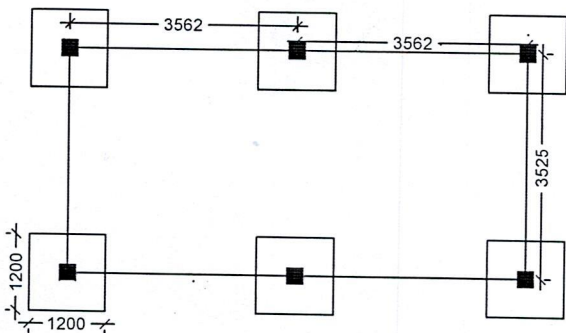


**DETAILS OF R. C. C COLUMN**

(SCALE - 1 : 25)



**PLAN**



**LAYOUT PLAN**

*Sub Assistant Engineer*  
Tarakeswar Municipality

**CHAIRMAN**  
TARAKESWAR MUNICIPALITY