

**Electrical Work Estimate For Construction of the Community Toilet Block
at Bangsere Smanan Ward no 1 within Tarakeswar Municipality**

F

No. Of seat - Male - (W.C. -1 + Urinal -2) & Female - (W.C. -2 + Urinal -0) = Total (W.C. -3 & Urinal -2)

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 PVC Rigid CONDUIT (PWD sch P- E-11, I-2,a) E-14 | 14 12 | 577.00 612/- | Point | 8078.00 7344/- |
| 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] 30mA RCCB (LEGRAND-P/92) [PWD Schedule Page No-D-1 Item No-1(a)] | 1 | 1277.00 5942/- | Nos | 1277.00 5942/- |
| 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. Rigid Conduit 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-1(ii)) | 18 12 | 102.00 119/- | mtr | 1836.00- 1428/- |
| 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, (2+4) Way connection & provision for earthing attachment (4-way MCB enclosure) incl Isolator (Havells) [PWD SCH P-D.9 Item-11] 13 | 1 | 316.00 1143/- | No | 316.00 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) | 2 3 | 451.00 | Nos | 1353.00 902.00- |
| 7 | Fixing only single/twin fluroscent light fitting complete with all accessories' directly on wall/ceiling by screws etc.. [PWD Schedule Page No-C-2;Item No-14a] | 2 3 | 86.00 | Nos | 172.00 258.00 |
| 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) | 3 6 | 654/- 644.00 | Nos | 1962.00 3864.00 |

| | | | | | |
|-------------------------|--|-------------------|----------------------------|-----|-------------------------------|
| 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 painting. (30 Watt) (Make - Bajaj) [WB I&WD sch P-5:3 , I-f.9.0.2] | 2 1 | 3016.00 | Nos | 6032.00 3016.00 |
| 10 | Supply of 12" domestic metal exhaust fan 230V 50 Hz (Model- Trans Air 12" Grey) (Make- Crompton/Havells/Bajaj) 9" (UD & MA schedule P-14, I-5) | 2 3 | 2093.00 1863/- | Nos | 4186.00 5589.00 |
| 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") 9" [PWD Schedule Page No-C-4;Item No-28(b)] | 2 3 | 329.00 247/- | Nos | 658.00 741.00 |
| 12 | Fixing only louver shutter/cowl on wall with necy. bolts & nuts (6 mm dia x 62 mm long) 9" For 30 cm (12") Exhaust fan [PWD Schedule Page No-C-4;Item No-28(b)] | 2 3 | 110.00 82/- | Nos | 220.00 246.00 |
| 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 [for Pump] [PWD Schedule Page No-E-19, Item No-17] (Please follow in details) | 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) (UD & MA schedule P-14, I-4) | 1 | 7920.00 | Nos | 7920.00 |
| 15 | 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 |
| Sub Total of (C) | | | | | 38286.00 |
| Add S.G.S.T. @ 18% 9% | | | | | 3445.74 |
| Add C.G.S.T. @ 9% | | | | | 3445.74 |
| Cost Of Electrical Work | | | | | 45177.48 |

| | | | |
|--|---|----|----------|
| 469.25 | Add L.W.C. @ | 1% | 451.77 |
| 47394.31 | Total payable Amount Including L.W.C. | | 45629.25 |
| 1407.75 | Add Contengency @3% | | 1355.32 |
| 48802.06 | Total payable Amount Including L.W.C. and contengency | | 46984.57 |
| 48,802.00 | Say Rs. | | 46985.00 |
| In Word (Say) : Rupees Forty Five thousand Eight hundred Fifty Seven only | | | |

10.10.25
 Sub Assistant Engineer
 Tarakeswar Municipality

[Signature]
 CHAIRMAN
 TARAKESWAR MUNICIPALITY

Technically Vetted Rs. 48,802.00
 (Rupees Forty eight Thousand eight
Hundred 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

BANSGERE SMASAN

GENERAL NOTES

- ALL DIMENSIONS ARE IN MM.
- OUTER WALL IS 125 MM. TH. WITH 1ST CLASS BRICKS IN CEMENT MORTAR(6:1) AND PARTION WALL IS 125MM. TH. IN CEMENT MORTAR(4:1)
- GRADE OF CONCRETE M-20 ORDINARY CEMENT CONCRETE (MIX:1:5:3)
- GRADE OF STEEL:FE-510
- 25MM. TH D.P.C(MIX:1:2:4) WILL BE APPLIED
- PLASTERING: OUTSIDE-15MM. TH. IN CEMENT MORTER(1:6) INSIDE-15MM. TH. IN CEMENT MORTER(1:6) CEILING-10MM. TH. CEMENT MORTER(1:4)
- BEARING CAPACITY OF SOIL AT DEPTH IM BELOW G.L. = 110 KN/M2, WHICH MUCH BE EXPLODED BEFORE CONSTRUCTION. REDRAWING & REDESIGN IS NESSEARY IS BEARRING CAPACITY OF SOIL IS POOR THEN ASSUMED.

CHAIRMAN
TARAKESWAR MUNICIPALITY

Signature of Authority

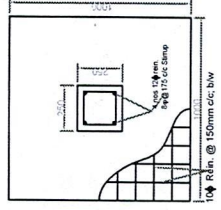
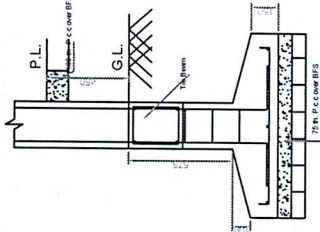
Area Statement

Builtup Area - 9.16 Sq.m.
Roof Area - 17.55 Sq.m.

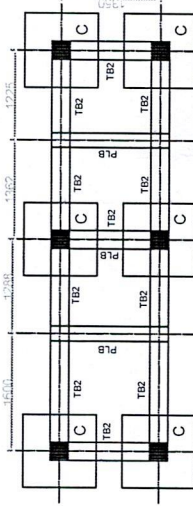
| MKD. | Size | Reinforcement | | Stirrup |
|------------|---------|---------------|-------------|--------------|
| | | Support | Span | |
| TB1&B1 | 250x300 | Top Bottom | Top Bottom | 4# @ 175 c/c |
| TB2&B2 | 200x250 | 2#16# 2#16# | 2#16# 2#16# | 4# @ 175 c/c |
| All Column | 250x250 | 4#12 | | 4# @ 175 c/c |

Door - Window Shedule

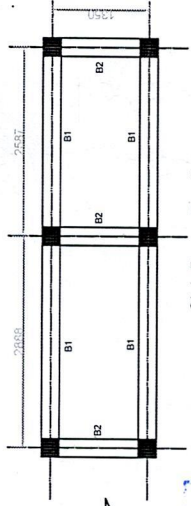
| MKD. | Size |
|------|----------|
| D | 750x1800 |
| W | 600x450 |



DETAILS OF FOUNDATION (SCALE 1:25)

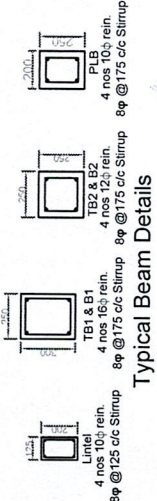


Foundation & tie Beam Details

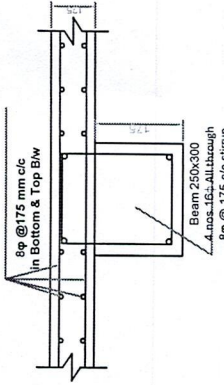


Slab Beam Details

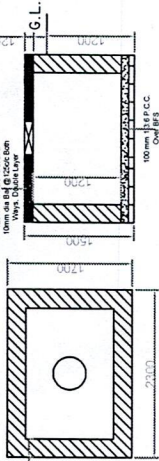
DETAILS OF WALL SECTION A-A



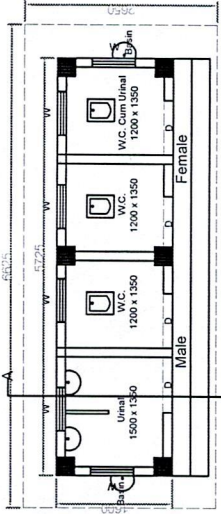
Typical Beam Details



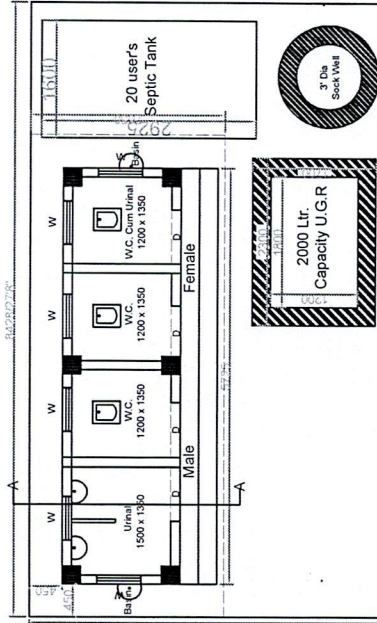
Slab Beam Details



Under Ground Reservoir Details



Ground Floor Plan



Common Passage

Sample Site Plan
For CT Plan 2

14.10.25
Sub Assistant Engineer
Tarakeswar Municipality