

**ESTIMATE FOR CONSTRUCTION OF TOILET BLOCK ( PT ) (MODEL NO - F) AT AT KATHGOLAPARA F.P SCHOOL IN WARD NO:-17 UNDER KATWA MUNICIPALITY.  
TOILET SEATS - 2 NOS AND URINAL - 3 NOS  
(Electrical Works)**

Rate As per PWD Electrical Works Schedule effect from Nov-2017 with latest agenda & corrigenda

Sl No.	Item Description	Unit	Quantity	Rate	Add dist. Ch.	(Sum) Rate	Amount
1	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish. [PWD Schedule Page No-E-14 Item No-2a] Avarage run 5mtr.	Point	12	612.00	18.36	630.36	7564.32
2	Distribution wiring in 1.1 KV grade 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1.1 KV grade 1 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire as ECC, to 5A 3 pin flush type plug socket & Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. painting the MS box and mending good the damages to original finish <b>On Board (only for pay counter)</b> [PWD Schedule Page No-E-15; I-4a]	Point	2	67.00	2.01	69.01	138.02
3	Supplying and fixing 240V 32A Double Pole AC Type 30mA RCCB.(Complete Set) (ISI marked) [Make- Legrand] (Cat No 4113/95) [ Legrand Page No-92 ]	Nos	1	5942.00	Not applicable	5942.00	5942.00
4	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC [PWD Schedule Page No-E-14 Item No-1a(ii)]	mtr	12	119.00	3.57	122.57	1470.84
	Total forwarded to next page-						15115.18

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Sl No.	Item Description	Unit	Quantity	Rate	Add dist. Ch.	(Sum) Rate	Amount
	Blance from P-01						15115.18
5	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. a) For (2+4 way) (Make -Havells) [PWD Schedule Page No-D-9;Item No-13]	No	1	935.00	28.05	963.05	963.05
6	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]	Nos	4	168.00	5.04	173.04	692.16
7	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection. 40A DP MCB Isolator (Make -Havells) [PWD Schedule Page No-D-5;Item No-6]	Nos	1	208.00	6.24	214.24	214.24
8	Supply of TMC501 conventional industrial batten (Philips make) LED Tube,model no- TMC501 P1xT-LED 22W P3241 (WB I & WD schedule P-113, I- 5:3 F.22)	Nos	3	451.00	4.51	455.51	1366.53
9	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]	Nos	3	86.00	2.58	88.58	265.74
10	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)	Nos	3	579.00	17.37	671.37	2014.11
11	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) (Make - Bajaj) [WB I&WD sch P-111, I-f.9.0.2]	Nos	1	3016.00	30.16	3046.16	3046.16
12	Supply of 12" domestic metal exhaust fan 9" 230V 50 Hz SWEEP. TRANS AIR - ( Make-Crompton/Havells/Bajaj) (UD & MA schedule P-14, I-5)	Nos	3	1863.00	Not applicable	1863.00	5589.00
	Total forwarded to next page-						29266.17

**Rate As per PWD Electrical Works Schedule effect from Nov-2017 with latest agenda & corrigenda**

No.	Item Description	Unit	Quantity	Rate	Add dist. Ch.	(Sum) Rate	Amount
	Blance from P-02						29266.17
13	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: 22.5 cm ( 9" ) [PWD Schedule Page No-C-4;Item No-28(b)]	Nos	3	247.00	7.41	254.41	763.23
14	Fixing only louver shutter/cowl on wall with necy. bolts & nuts (6 mm dia x 62 mm long) For 22.50 cm(9") Exhaust fan [PWD Schedule Page No-C-4;Item No-30(b)]	Nos	3	82.00	2.46	84.46	253.38
15	Supply of 240V A.C Ceiling Fan ( 48" sweep,1200 mm complete) [Make-Crompton [ for counter only] (UD & MA schedule P- 23, I- 70)	Each	1	2283.00	Not applicable	2283.00	2283.00
16	Fixing only Ceiling Fan [PWD sch P- C-3, I-21(a)]	Each	1	66.00	1.98	67.98	67.98
17	Supply & Fixing 240 V, 16/20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board incl. S & F 100x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required. (For Hand Dryer machine) [PWD sch P- E-6, I-17(b)]	Each	2	201.00	6.03	207.03	414.06
18	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. Modular 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)	Nos	1	784.00	23.52	807.52	807.52
19	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)	Nos	1	7920.00	Not applicable	7920.00	7920.00
20	Earthing installation by GI earth Spike (1830 X 20 mm) including 8SWG GI EarthWire & GI nuts, bolts, washer etc.	Nos	1	450.00	Not applicable	450.00	450.00
	Sub Total (A)						42225.34
	Add 18% GST ON A =(B)						7600.56
	TOTAL A+B =( C )						49825.90
	Add 1% Cess ON C						498.26
	Total						50324.16
	Add 3% Contingency ON C						1494.78
	TOTAL INCLUDING ALL						51818.94
	Say Rs.						51819.00

(Rupees Fifty One Thousand Eight Hundred Nineteen Only)

*Rabir Das*  
S.A.E

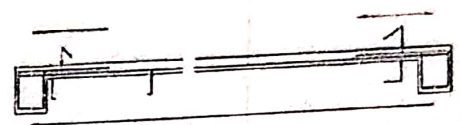
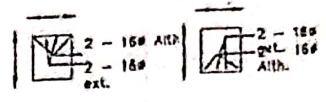
Katwa Municipality

**Sub Assistant Engineer  
(Electrical)  
Katwa Municipality**

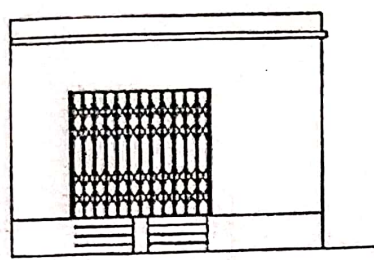
*[Signature]*  
Chairman

Katwa Municipality  
**Chairman  
Katwa Municipality**

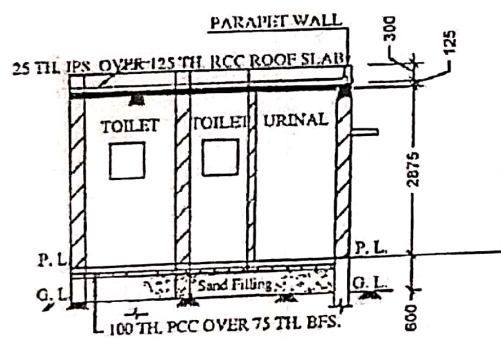
MODEL DRAWING FOR CONSTRUCTION OF C. T./P.T.  
TOILET SEATS 2 NOS URINAL 3 NOS  
MODEL NO.- F



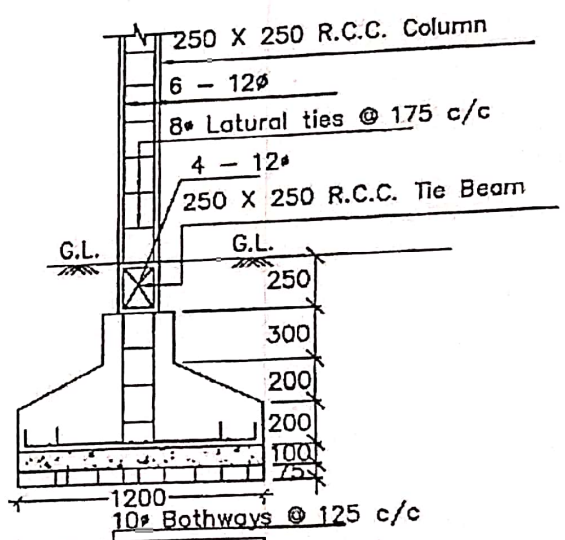
Details Of R.C.C Roof Slab & Beam  
(SCALE - 1 : 25)



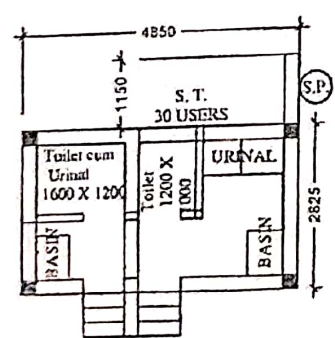
FRONT ELEVATION



SECTION - 'A - A'



DETAILS OF R. C. C COLUMN  
(SCALE - 1 : 25)



- BULK HEAD LIGHT → 03
- TUBE LIGHT → 03
- EXHAUST FAN → 03
- OUTDOOR LIGHT → 01
- CEILING FAN → 01
- GLOW SIGN BOARD → 01

Checked & Verified  
*Pradeep Kumar Pathy*  
Engineer (Civil)  
HILL INSPIRATION



*Sub Assistant Engineer*  
Katwa Municipality

*Chairman*  
Katwa Municipality

12 p/s