

ESTIMATE OF ELECTRICAL WORK FOR CONSTRUCTION OF COMMUNITY TOILET (CT) BLOCK AT HIJALPUKURIA JUNIOR BASIC SCHOOL, WITHIN WARD NO 14 UNDER HABRA MUNICIPALITY.

MODEL-F

This estimate is based on WBPWD SOR 2017, UD & MA ELEC-MECH SOR 2018 & I&W SOR 2022

SI No	Item Description	Unit	Qty	Rate	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 sheetsteel 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] (PWD sch Page No.-E-11, Item No-I-2(a)) Average run 5 mtr	Point	12	577.00	6,924.00
2	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 5A 3 pin flush type plug socket with piano key type switch (Anchor make) fixed on sheet steel fabricated CRC MS switch board with bakelite/perspex (wall matching color) top cover of 3 mm thick flushed in wall by housing the board after cutting brick wall incl. necy. connection making earthing attachment, painting and mending good damages to building works. [PVC casing-capping and plug box both on surface] On Board. [PWD Schedule Page No-E-12; I-6]	Point	1	67.00	67.00
3	Supplying and fixing Sheet steel Main Switches on flat iron frame on wall 240 V DP with fuse on L & N 32 A [Make- Havells] [PWD Schedule Page No-D-1 Item No-1(a)]	Nos	1	1277.00	1,277.00
4	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-1(c)]	Mtr	12	102.00	1,224.00

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. Make:-Havells/Siemens/Standard. 2+4 way Ref:-WBPWD SOR 2017, Page no:-D-9, Item No:-13	Each	1	935.00	935.00
6	Supplying and fixing 240/415 V MCB of Breaking capacity 10 kA & C characteristics on din rail of existing DBs and necessary connection 6-32 A SP MCB (Make-Havells) [PWD Schedule Page No-D-6;Item No-7]	Nos	4	168.00	672.00
7	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection, DP, 32A Make-Legrand/Havells/Siemens. [PWD Schedule Page No-D-5;Item No-6]	Nos	1	322.00	322.00
8	Supply and fixing of LED street light 30 Watt. Make:-Havells/Bajaj/Crompton. Ref:I&W sor 2022, Pge no 111, item no 5.3.F.9.0.1	Nos	1	3016.00	3,016.00
9	Supply and fixing of 12.0 Watt LED Lamp. Make:-Havells/Philips/Crompton. Ref:I&W SOR 2022, Page No.-114, Item NO -5.3.F.26.1	Nos	6	316.00	1,896.00
10	Supply and fixing of Angular batten holder(Anchor) on 75mm dia PVC round block/round bakelite on wall/Ceiling. Ref:-WBPWD sor 2017, Page no-D-13, Item no.-22	Each	6	38.00	228.00
11	Fixing only lamp. Ref:-WBPWD sor 2017, Page no-C-2, Item no.-11	Each	6	5.00	30.00
12	Supply of 9" domestic metal exhaust fan 230V 50 Hz (Model-Trans Air 12" Grey)(Make-Crompton/Havells/Bajaj) (UD & MA schedule P-13, I-5)	Nos	4	1863.00	7,452.00
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: 30 cm (9") [PWD Schedule Page No-C-4;Item No-28(a)]	Nos	4	247.00	988.00
14	Fixing only louver shutter/cowl on wall with necy. bolts & nuts (6 mm dia x 62 mm long) For 30 cm(9") Exhaust fan [PWD Schedule Page No-C-4;Item No-28(a)]	Nos	4	82.00	328.00
15	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]	Nos	1	784.00	784.00

16	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)	Sqft	12	495.00	5,940.00
17	Earthing installation by GI earth Spike (1830 X 20 mm) including 8 SWG GI Earth Wire & GI nuts, bolts, washer etc. Ref:UD&MA approved rate.	Nos	1	527.00	527.00
18	Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages. (ii) No 6 SWG Ref:-PWD Sch Page No:-G-2, Item No:-5(ii)	Mtr	3	13.00	39.00
Sub-Total(Rs)					32,649.00
Add GST@18% on above(Rs)					5876.82
Sub-Total(Rs)					38525.82
Add Labour Cess@1% on above(Rs)					385.26
Add Contingency@3% on above(Rs)					1155.77
Sub-Total(Rs)					40066.85
Add WBSEDCL connection charges(Rs)					5000
Grand Total(Rs)					45066.85
Say(Rs)					45067
Say Forty-Five Thousand Sixty-Seven Only					

P. Ghosh

Sub-Assistant Engineer
HABRA MUNICIPALITY

Chakraborty
Chairman
Habra Municipality

Vetted for the amount of Rs. 45067/-

Kanad Sen
31/01/2025
Executive Engineer

Kolkata Metropolitan Development Authority