

BILL OF QUNATITY

Name of work: Miscellaneous electrical works including power wiring in juice centers and shifting of main distribution boards in A_Block and C_Block in Lohit hostel of IITG

Sl. No.	Description	Unit	Qty.	Rate in Fig. (Rs.)	Rate in words (Rs.)	Amount (Rs.)
1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required					
a	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	mtr	70			
b	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	mtr	95			
c	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	mtr	135			
d	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	mtr	40			
e	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	mtr	122			
2	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
a	5/6 A switch	each	20			
b	3 pin 5/6 A socket outlet	each	10			
c	15/16 A switch	each	16			
d	6 pin 15/16 A socket outlet	each	16			
3	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	each	2			
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.					
a	12 Module (200mmX150mm)	each	2			

b	8 Module (125mmX125mm)	each	2			
c	6 module (200mmX75mm)	each	4			
d	3 Module (100mmX75mm)	each	8			
5	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
a	Single pole	each	52			
b	Double pole	each	2			
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
a	8 way , Double door	each	4			
7	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	each	8			
8	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required	each	2			
9	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	each	30			

10	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					
a	8 way (4 + 24), Double door	each	2			
11	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
a	40 A	each	2			
12	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.					
a	100 A, 16 KA,TPMCCB	each	2			
13	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required					
a	2 X 10 sq. mm (19mm)	each	8			
b	3½ X 70 sq. mm (38mm)	each	2			
14	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required					
a	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	mtr	40			
15	Supply of five star rated 1200mm sweep ceiling fan (Make havells/CG/Orient/Berilia)	each	2			

16	Supply of 20watt batten LED Tube Light Set.(Make Jaquar/Bajaj/Philips/CG/Havells)	each	8			
17	Supply of follwing types and sizes of 1.1kV grade PVC insulated aluminium conductor armored underground cable					
a	3.5 C X 70 sq mm	Meter	40			
						Total amount =
						<u>Discount@.....%, if any =</u>
						<u>Net Quoted amount =</u>
						Say =

(Rupees.....
.....only)

N.B: Quoted rates shall be inclusive of all taxes & GST