

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 139/IWD/ED/570****SCHEDULE OF QUANTITY****Name of Work: Providing power supply through DG set near Type-II multistorey flats for passenger lift & emergency lighting at Yoga centre community centre type IIT Kanpur.**

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit/ PVC trunking as required.				
1.1	3 x 1.5 sq. mm	30.00	Mtr.		
1.2	3 x 4 sq. mm	25.00	Mtr.		
1.3	6 x 6 sq. mm	20.00	Mtr.		
2	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
2.1	20 mm	30.00	Mtr.		
2.2	25 mm	25.00	Mtr.		
2.3	32 mm	20.00	Mtr.		
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
3.1	15/16 amp switch	12.00	Each		
3.2	6 pin 15/16 amp socket outlet	4.00	Each		
4	Supplying and fixing following size/ modules, GI/PVC box alongwith modular base & cover plate for modular switches in recess etc as required.				
4.1	3 Module (100mmX75mm)	3.00	Each		
4.2	4 Module (125mmX75mm)	2.00	Each		

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5	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	8.00	Each		
6	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.)				
6.1	4 way (4 + 12), Double door	1.00	Each		
7	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.				
7.1	100 A, 16 KA, TPMCCB	2.00	Each		
8	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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.				
8.1	Single pole	6.00	Each		
8.2	Double pole	1.00	Each		
8.3	Triple pole	2.00	Each		
9	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	1.00	Each		
10	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and without lamp as required complete.				
10.1	Bulk head fitting suitable for 60W GLS lamp	8.00	Each		
11	Supply / fixing and connecting & commissioning following CFL / lamps in existing fitting as reqd.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11.1	LED bulb 10 W	8.00	Each		
12	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required				
12.1	50 mm dia	30.00	Metre		
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.				
13.1	3½ X 70 sq. mm (38mm)	4.00	Each		
14	Supplying of PVC insulated, PVC sheathed XLPE aluminium conductor armored cable of Following size, 1.1 KV grade, etc. as required [conforming to I.S-1554/1/88].				
14.1	3½ X 70 sq. mm	300.00	Mtr.		
15	Laying of PVC insulated, PVC sheathed XLPE aluminium conductor armored cable of Following size, 1.1 KV grade , direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
15.1	Above 35 sq. mm and upto 95 sq. mm	250.00	Mtr.		
16	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
16.1	Above 35 sq. mm and upto 95 sq. mm	30.00	Mtr.		
17	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.				
17.1	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	20.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
18	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2.00	Set		
19	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	12.00	Mtr.		
20	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	25.00	Mtr.		
21	Providing and fixing of Steel Enclosure for 125 A, 36 KA MCCB with drilling holes and making connections, etc. as required.	1.00	Each		
	<b>Total Rs.</b>				