

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 84/IWD/ED/501

SCHEDULE OF QUANTITY

Name of Work: Modification & renovation of electrical installation in Directorate & Deputy Directorate.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 Sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a	Group C	53.00	Point		
2	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/PVC conduit as reqd.				
a	3 X 1.5 Sq.mm	45.00	Mtr		
b	3 X 2.5 Sq.mm	150.00	Mtr		
c	3 x 4 Sq.mm	120.00	Mtr		
e	3 X 10 Sq.mm	15.00	Mtr		
3	Supplying and drawing following pair 0.5 Sq.mm FRLS PVC insulated copper conductor, unarmoured telephone cable in the existing surface/recessed steel/PVC conduit as reqd.				
a	2 Pair	50.00	Mtr		
4	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 reqd.				
a	20 mm	30.00	Mtr		
b	25 mm	60.00	Mtr		
c	32 mm	10.00	Mtr		
5	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	1 or 2 module (75mm x 75mm)	2.00	Nos.		
b	3 module (100mm x 75mm)	15.00	Nos.		
c	6 module (200mm x 75mm)	9.00	Nos.		
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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	12 Way, double door	1.00	Nos.		
7	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)				
a	4 way (4 + 12), Double door	1.00	Nos.		
8	Supplying and fixing following rating, 240 volts, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as reqd.				
a	Single Pole (5 Amp to 32 Amp)	20.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	1.00	Nos.		
c	Single Pole (40 Amp to 63 Amp)	4.00	Nos.		
d	Double Pole (40 Amp to 63 Amp)	1.00	Nos.		
e	Four Pole (40 Amp to 63 Amp)	1.00	Nos.		
9	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth metal enclosed plug top along with 20 amps ' C ' series SP, MCB, in the sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc as required.	2.00	Nos.		
10	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	10.00	Mtr.		

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11	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a	End cap	2.00	Nos.		
b	Internal angle/ External angle	2.00	Nos.		
c	Changeable flat angle	1.00	Nos.		
d	Flat Junction	1.00	Nos.		
12	Supplying and fixing following modular switch/socket on the existing modular plate & switch box/ DLP plastic trunking including connections but excluding modular plate etc as reqd.				
a	5/6 amps switch	35.00	Nos.		
b	15/16 amps switch	6.00	Nos.		
c	3 pin 5/6 amps socket outlet	35.00	Nos.		
d	6 pin 15/16 amps socket outlet	6.00	Nos.		
e	Blanking Plate	2.00	Nos.		
13	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.	6.00	Nos.		
14	S & F following rating modular RJ-11 telephone jack (1M) complete with modular box i/c modular base & cover plate etc as reqd.	4.00	Nos.		
15	S/F, connecting, testing and commissioning 36 watt LED recess mounted luminaires with diffuser suitable for 600 mm X 600 mm modular POP/Gypsem ceiling etc.as reqd.	22.00	Nos.		
16	S/F, connecting, testing and commissioning 18 watt LED surface mounted luminaires with diffuser etc. as reqd.	6.00	Nos.		
17	Supply, Installation, testing & commissioning of Ceiling fan of following 220 volts 50 Hz without regulator I/c wiring the down rods of standard length up to 30 cm with 1.5 sqmm PVC insulated copper conductor single core cable etc as reqd.				
a	1200 mm sweep	6.00	Nos		
18	Extra for cutting and drilling hole & panting of down rod of G.I pipe,15 mm dia for ceiling fan etc as required.	6.00	Job		
19	Supplying & fixing 15 mm dia GI pipe for down rod for fixing of ceiling fans etc as reqd.	5.00	Mtr.		

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20	S & F fan hook I/c cutting the slab and fixing with the reinforcement and making damage, painting etc as the same.	2.00	Nos.		
21	S/F, copper cable lug suitable for following size of conductor.				
a	10 Sqmm	12.00	Nos.		
22	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	2.00	Nos.		
23	Drawing of computer network cable/ PVC insulated flexible cooper single core cable existing pipe / casing and capping as reqd including numbering the wires at both the ends.	350.00	Mtr.		
24	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	10.00	Nos.		
25	S & F of 400 mm sweep AC 230/250 volts, 50 HZ wall mounting revolving fan with brackets etc. complete	2.00	Nos.		
26	Supplying and fixing connecting and commissioning of AC 230/250 volts, 50 HZ, 250 mm sweep fresh air fan including providing nuts, bolts, mounting frame and other accessories etc. complete	1.00	Nos.		
27	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	2.00	Mtr.		
b	25 mm	5.00	Mtr.		
c	32 mm	2.00	Mtr.		
28	Dismantling the old conduit pipe/wood batten of all sizes from surface/recessed & making good the damages I/c filling the holes of the surface etc as reqd.	10.00	Mtr.		
29	Dismantling damaged DB/TPN Switches/ loose wire boxes/ M.S. boxes alongwith all accessories and depositing the same in the store as reqd.	2.00	Nos.		
30	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	40.00	Nos.		
	Total Rs.				