

INDIAN INSTITUTE OF TECHNOLOGY KANPUR					
Tender Notice No. 128/IWD/ED/685					
SCHEDULE OF QUANTITY					
Name of work: Modification & renovation of electrical installation in CL-203A.					
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. FRLS PVC insulated copper conductor single core cable etc as required.				
a	Group C	16.00	Point		
2	Rewiring for lightpoint/ fan point/ exhaust fan point/ call bell point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 Sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
a	Group C	5.00	Point		
3	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	50.00	Mtr		
b	3 X 2.5 Sq.mm	300.00	Mtr		
c	3 x 4 Sq.mm	200.00	Mtr		
d	3 x 6 sq. mm	30.00	Mtr		
e	3 x 10 Sqmm	10.00	Mtr.		
f	3 X 16 Sq.mm	10.00	Mtr		
4	Supply and drawing PVC insulated copper conductor (Flexible) 4 core round cable 1.5 Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	50.00	Mtr		
5	Supply and drawing PVC insulated copper conductor (Flexible) 3 core round cable 2.5 Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	40.00	Mtr		
6	Supply and drawing PVC insulated copper conductor (Flexible) 4 core round cable 4.0 Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	50.00	Mtr		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	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	100.00	Mtr		
8	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	10.00	Mtr		
b	25 mm	20.00	Mtr		
c	32 mm	5.00	Mtr		
9	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	3 module (100mm x 75mm)	2.00	Nos.		
b	6 module (200mm x 75mm)	2.00	Nos.		
c	8 module (125mm x 125mm)	1.00	Nos.		
d	12 module (200mm x 150mm)	1.00	Nos.		
10	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	2 + 12 Way Double door	1.00	Nos.		
11	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)	8.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	1.00	Nos.		
c	Tripple Pole (5 Amp to 32 Amp)	1.00	Nos.		
d	Four Pole (5 Amp to 32 Amp)	1.00	Nos.		
e	Single Pole (40 Amp to 63 Amp)	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
f	Double Pole (40 Amp to 63 Amp)	2.00	Nos.		
g	Tripple Pole (40 Amp to 63 Amp)	1.00	Nos.		
h	Four Pole (40 Amp to 63 Amp)	1.00	Nos.		
12	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.	4.00	Nos.		
13	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	40.00	Mtr.		
14	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a	End cap	4.00	Nos.		
b	Internal angle/ External angle	6.00	Nos.		
c	Changeable flat angle	4.00	Nos.		
d	Flat Junction	2.00	Nos.		
15	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	50.00	Mtr.		
16	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	45.00	Mtr.		
17	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	9.00	Nos.		
b	Internal angle.	5.00	Nos.		
c	External angle	1.00	Nos.		
d	Flat Junction	1.00	Nos.		
e	Changeable flat angle	5.00	Nos.		
f	Separation partitions	20.00	Mtr.		
g	cover joint	13.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
h	Base joint	20.00	Nos.		
18	S & F following rating modular type switch on existing DLP cover plate/modular GI box i/c connection etc as reqd.				
a	5/6 amp Switch	10.00	Nos.		
b	15/16 amp Switch	40.00	Nos.		
c	5 pin 5/6 Amp.Socket outlet.	10.00	Nos.		
d	6 pin 15/16 Amp. Socket outlet	40.00	Nos.		
e	Mosiac blanking Plate	2.00	Nos.		
19	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 module	10.00	Nos.		
b	6 module	20.00	Nos.		
20	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.	8.00	Nos.		
21	Supplying fixing connecting & commissioning, RJ-11 telephone jack (1M) complete with module cover plate in surface/recessed zinc chromate passivated MS box complete as reqd.	2.00	Nos.		
22	S/F, connecting, testing and commissioning 18 watt LED recess mounted luminaires with diffuser suitable for modular ceiling/POP/Gypsem ceiling etc.as reqd.	2.00	Nos.		
23	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminaires with diffuser suitable for 600 mm X 600 mm modular POP/Gypsem ceiling etc.as reqd.	16.00	Nos.		
24	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	8.00	Nos		
25	S & F fan hook I/c cutting the slab and fixing with the reinforcement and making damage, painting etc as the same.	8.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
26	Extra for cutting and drilling hole & panting of down rod of G.I pipe,15 mm dia for ceiling fan etc as required.	8.00	Job		
27	Supplying & fixing 15 mm dia GI pipe for down rod for fixing of ceiling fans etc as reqd.	6.00	Mtr.		
28	S/F, copper cable socket suitable for following size of conductor.				
a	10 Sqmm	12.00	Nos.		
b	16 Sqmm	12.00	Nos.		
29	Drawing of computer network cable/telephone wire/ PVC insulated flexible cooper conductor single core cable 1.1 KV grade in existing pipe / casing and capping as reqd including numbering the wires at both the ends..	300.00	Mtr.		
30	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	10.00	Nos.		
31	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	6.00	Nos.		
32	Dismantelling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	14.00	Nos.		
33	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.	20.00	Mtr.		
34	Dismantling damaged DB/TPN Switches/ loose wire boxes/ M.S. boxes alongwith all accessories and depositing the same in the store as reqd.	4.00	Nos.		
35	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	5.00	Mtr.		
b	25 mm	5.00	Mtr.		
c	32 mm	10.00	Mtr.		
	Total Rs.				