

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 121/IWD/ED/661

SCHEDULE OF QUANTITY

Name of work: Repairing and replacement of defective electrical items in NWTF, Aerodynamics Lab, New Core Building R.N. 207, NCL corridor R.No. 106, ACES-305, AIC and different labs and office in academic area on complaint basis.

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'	2.00	Nos.		
2	Rewiring for light point/ 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'	2.00	Nos.		
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	178.00	Mtr		
b	3 X 2.5 Sq.mm	61.00	Mtr		
c	2 X 4 Sq.mm	15.00	Mtr		
d	3 x 4 Sq.mm	44.00	Mtr		
e	3 X 6 Sq.mm	10.00	Mtr		
4	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	95.00	Mtr		
5	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.				

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a	20 mm	3.00	Mtr		
6	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.	5.00	Mtr.		
7	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a	20 x 12 mm	8.00	Mtr.		
8	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	121.00	Mtr.		
9	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a	End cap	1.00	Nos.		
b	Internal angle/ External angle	1.00	Nos.		
c	Changeable flat angle	1.00	Nos.		
d	Flat Junction	1.00	Nos.		
10	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated shet cover in front including painting etc as reqd.				
a	100 mm X 100 mm X 60 mm deep	1.00	Nos.		
11	Supplying and fixing following rating, 240 volts, 'C' series, minature 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)	1.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	2.00	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.		
f	Double Pole (40 Amp to 63 Amp)	1.00	Nos.		
g	Four Pole (40 Amp to 63 Amp)	2.00	Nos.		
12	S/F, connecting, testing and commissioning of 10 Watt LED bulkhead fitting IP65 surface mounting luminaires with suitable LED lamp and connection etc.as reqd.	7.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
13	Supply & retrofitting 18 watt LED PLL lamp in existing fitting and connection etc.as reqd	52.00	Nos.		
14	Supply & retrofitting 20 watt Tube LED lamp in existing fitting and connection etc.as reqd	172.00	Nos.		
15	Supply & fixing of 12 watt round Surface mounted LED flat panel light etc.as reqd.	24.00	Nos.		
16	S/F, connecting, testing and commissioning 1 x 18/20 watt LED tube fitting surface mounting/ceiling suspended luminaires suitable mounting rail for T-LED lamps with 1 No. 18/20 watt T-LED lamps (Polycarbonate) and connection etc.as reqd	13.00	Nos.		
17	S/F, connecting, testing and commissioning 2 x 18/20 watt LED tube fitting surface mounting/ceiling suspended luminaires suitable mounting rail for T-LED lamps with 2 No. 18/20 watt T- LED lamps (Polycarbonate) and connection etc.as reqd	1.00	Nos.		
18	S/F, connecting, testing and commissioning 18 watt LED recess mounted luminaires with diffuser suitable for moduler ceiling/POP/Gypsem ceiling etc.as reqd.	14.00	Nos.		
19	S/F, connecting, testing and commissioning 18 watt LED surface mounted luminaires with diffuser etc.as reqd.	25.00	Nos.		
20	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminaires with diffuser suitable for 600 mm X 600 mm moduler POP/Gypsem ceiling etc.as reqd.	2.00	Nos.		
21	Supply / fixing and connecting & commissioning following lamps in existing fitting as reqd.				
a	PL-s 11 watts	6.00	Nos.		
b	PL-c 18 watts	41.00	Nos.		
22	Alteration of internal wiring in existing fitting of any type for retrofitting of tube LED i/c dismentelling & refixing as reqd.	76.00	Nos.		
23	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc as reqd.				
a	5/6 amps switch	2.00	Nos.		
b	15/16 amps switch	1.00	Nos.		
c	5 pin 5/6 amps socket outlet	1.00	Nos.		
d	6 pin 15/16 amps socket outlet	1.00	Nos.		
e	2 way 5/6 amps switch	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
24	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	29.00	Nos.		
b	15/16 amps switch	28.00	Nos.		
c	3 pin 5/6 amps socket outlet	9.00	Nos.		
d	6 pin 15/16 amps socket outlet	30.00	Nos.		
e	Blanking Plate	16.00	Nos.		
25	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	1 or 2 Module	11.00	Nos.		
b	3 Module	5.00	Nos.		
c	4 Module	8.00	Nos.		
d	6 Module	5.00	Nos.		
e	8 Module	2.00	Nos.		
f	12 Module	1.00	Nos.		
26	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	1 or 2 Module	11.00	Nos.		
b	3 Module	4.00	Nos.		
c	4 Module	2.00	Nos.		
d	12 /16 Module	1.00	Nos.		
27	Supply fixing connecting & commissioning of 5 Amp. 3 pin Plug top as reqd.	2.00	Nos.		
28	Supply fixing connecting & commissioning of 15 Amp. 3 pin Plug top as reqd.	1.00	Nos.		
29	Supply fixing connecting & commissioning 3 pin metal enclosed plug top 20 Amp. as reqd.	3.00	Nos.		
30	Supply fixing connecting & commissioning 3 pin metal clade socket 20 Amp. as reqd.	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
31	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc as required.	4.00	Nos.		
32	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	1.00	Nos.		
33	S & F following rating modular RJ-11 telephone jack (1M) complete with modular box i/c modular base & cover plate etc as reqd.	1.00	Nos.		
34	S,F,C,&C testing 100 watt step rotary switch/socket type fan regulator on existing board I/c connection etc as reqd.	2.00	Nos.		
35	Supply,Installation of exhaust fan 220 volt, 50 Hz of following sizes in the existing opening I/c connection, testing, commissioning etc as reqd.				
a	300 mm	5.00	Nos.		
b	375 mm	7.00	Nos.		
c	450 mm	5.00	Nos.		
36	S/F, Exhaust fan shutter of following sizes on rag bolts as reqd.				
a	375 mm	1.00	Nos.		
37	S & F of 400 mm sweep AC 230/250 volts, 50 HZ wall mounting revolving fan with brackets etc. complete	2.00	Nos.		
38	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	4.00	Nos.		
39	Drawing of computer network cable/ PVC insulated flexible cooper/ Aluminium single core cable of size 1.5sqmm to 25 sqmm/ telephone cable upto 10 pair in existing pipe / casing and capping as reqd including numbering the wires at both the ends.	90.00	Mtr.		
40	Fixing 100 A to 400 A TPN switch / MCCB /Changeover switch on existing frame / board i/c providing nut and bolts with washer etc. as reqd.	1.00	Nos.		
41	Fixing, testing & commissioning of all type light fitting etc as reqd.	3.00	Nos.		
42	Fixing of ceiling fan / rally fan / cabin fan on rag bolts.	2.00	Nos.		
43	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	3.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
44	Dismantling & refixing DB/TPN Switches upto 100A/ loose wire boxes/ M.S. boxes alongwith all accessories etc as reqd.	4.00	Nos.		
45	Fixing of 20/25 mm dia steel conduit pipe/DLP plastic trunking alongwith the accessories in surface/recessed I/c painting in case of surface conduit or cutting the wall & making good the same in case of recessed conduit as reqd.	5.00	Mtr.		
46	Locating fault in wiring rectifying moving & restoring supply the same & making good the damages etc as reqd.	8.00	Nos.		
47	Cleaning of any type of fittings.	79.00	Nos.		
	Total Rs.				