

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**

**Tender Notice No. 78 /IWD/ED/493**

**SCHEDULE OF QUANTITY**

Name of Work: Repairing & replacement of electrical items in different labs & offices in academic area on complaint basis.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	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'	1.00	Nos.		
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	70.00	Mtr		
b	3 X 2.5 Sq.mm	100.00	Mtr		
c	3 x 4 Sq.mm	20.00	Mtr		
d	3 X 6 Sq.mm	5.00	Mtr		
e	3 X 10 Sq.mm	20.00	Mtr		
3	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	20.00	Mtr		
4	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	60.00	Mtr.		
5	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	4.00	Nos.		
c	Changeable flat angle	6.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
d	Flat Junction	2.00	Nos.		
6	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	10.00	Mtr.		
7	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	8.00	Mtr.		
8	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	2.00	Nos.		
b	Internal angle.	2.00	Nos.		
c	External angle	2.00	Nos.		
d	Flat Junction	1.00	Nos.		
e	Changeable flat angle	1.00	Nos.		
f	Separation partitions	2.00	Mtr.		
g	cover joint	5.00	Nos.		
h	Base joint	10.00	Nos.		
9	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.		
10	Providing and fixing following rating and breaking capacity four pole 415V 50Hz MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc as required.				
a	125 Amp, 25 KA	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 )	2.00	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.		
f	Double Pole ( 40 Amp to 63 Amp )	1.00	Nos.		

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g	Tripple Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
h	Four Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
12	S & F wooden board of following sizes on surface or in recessed with suitable size of phenolic laminated sheet cover in the front etc as reqd.				
a	200 mm x 250 mm	2.00	Nos.		
13	S&F connecting and commissioning indipendent mounting of MCCB enclosure suitable upto 200 amp MCCB as per approved make in surface/recess I/c cutting the wall and making good the same in case of recessed as per approved make etc as reqd.	1.00	Nos.		
14	Supply & retrofitting 18 watt LED PLL lamp in existing fitting and connection etc.as reqd	90.00	Nos.		
15	Supply & retrofitting 20 watt Tube LED lamp in existing fitting and connection etc.as reqd	110.00	Nos.		
16	S/F, connecting, testing and commissioning 18 watt LED recess mounted luminaires with diffuser suitable for 300 mm X 300 mm moduler ceiling/POP/Gypsem ceiling etc.as reqd.	7.00	Nos.		
17	S/F, connecting, testing and commissioning 18 watt LED surface mounted luminaires ( 300 mm X 300 mm) with diffuser etc.as reqd.	25.00	Nos.		
18	S/F, connecting, testing and commissioning 1 x 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	2.00	Nos.		
19	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.		
20	Supplying and fixing, 25 Watt LED street light luminaries with pressure die cast aluminium housing IP66 complete with all accessories complete	5.00	Nos.		
21	Supplying and fixing, 48 Watt LED street light luminaries with pressure die cast aluminium housing IP66 complete with all accessories complete	1.00	Nos.		
22	Supply / fixing and connecting & commissioning following lamps in existing fitting as reqd.				
a	FL tube 14 watts TL5	1.00	Nos.		
b	FL tube 28 watts TL5	2.00	Nos.		

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23	Supplying, fixing, connecting and commissioning electronic blast (Plastic Body) suitable for following lamps in existing fitting as reqd.				
a	1 x 28/36/40 Watt TLD/CFL	2.00	Nos.		
24	Repairing, cleaning and replacement of damaged part i.e holder, Lamp, tubes, chokes starter etc. of any type of fittings(Parts to be supplied by Institute).	2.00	Nos.		
25	Providing and replacement of damaged internal wiring/alteration in wiring of fitting of any type with 1.5 sqmm PVC insulated copper single core wire i/c dismantelling & refixing as reqd.	205.00	Mtr.		
26	Supplying and fixing following piano type switch/socket on the existing switch box/ cover including connections etc as reqd.				
a	5/6 amps switch	15.00	Nos.		
b	15/16 amps switch	4.00	Nos.		
c	5 pin 5/6 amps socket outlet	10.00	Nos.		
d	6 pin 15/16 amps socket outlet	4.00	Nos.		
27	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	31.00	Nos.		
b	15/16 amps switch	1.00	Nos.		
c	3 pin 5/6 amps socket outlet	22.00	Nos.		
d	6 pin 15/16 amps socket outlet	1.00	Nos.		
e	Blanking Plate	1.00	Nos.		
28	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	1.00	Nos.		
b	3 Module	4.00	Nos.		
c	6 Module	10.00	Nos.		
d	12 Module	1.00	Nos.		

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29	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	1 or 2 Module	1.00	Nos.		
b	3 Module	4.00	Nos.		
c	6 Module	4.00	Nos.		
30	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.		
31	Supply fixing connecting & commissioning of 5 Amp. 3 pin Plug top as reqd.	5.00	Nos.		
32	Supply fixing connecting & commissioning of 15 Amp. 3 pin Plug top as reqd.	4.00	Nos.		
33	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	2.00	Nos		
34	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	3.00	Nos.		
b	375 mm	3.00	Nos.		
c	450 mm	3.00	Nos.		
35	S/F, copper cable lug suitable for following size of conductor.				
a	6 Sqmm	4.00	Nos.		
b	10 Sqmm	6.00	Nos.		
36	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.		
37	Dismantling & refixing DB/TPN Switches upto 100A/ loose wire boxes/ M.S. boxes alongwith all accessories etc as reqd.	2.00	Nos.		
38	Fixing of ceiling fan / rally fan / cabin fan on rag bolts.	1.00	Nos.		
39	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	49.00	Nos.		

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40	Dismantling / fixing of piano/tumbler type switch or socket 5/15 amp I/c cleaning, connecting, commissioning etc as reqd.	4.00	Nos.		
41	Fixing of 20/25 mm dia steel conduit pipe 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.	10.00	Mtr.		
42	Painting of ceiling fan in installed position with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent etc. as required	10.00	Nos.		
43	Cleaning of any type of fittings.	6.00	Nos.		
44	Cleaning of ceiling fan with detergent at site and replacement of damaged items i.e. rubber real, cotter pin, capacitor clamp, nut and bolts of hanger clamps etc as required.	10.00	Nos.		
	<b>Total Rs.</b>				