

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 58 /IWD/ED/220****SCHEDULE OF QUANTITY**

Name of work: Different electrical repairing work in labs &amp; 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	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	22.00	Mtr		
b	3 X 2.5 Sq.mm	30.00	Mtr		
c	3 x 4 Sq.mm	26.00	Mtr		
2	Supply and drawing following PVC insulated copper conductor flexible round cable for connection of equipment, exhaust fan, AC etc. as reqd.				
a	3 core 2.5 Sq.mm	2.00	Mtr.		
3	Supply and fixing of 32 x 20 mm DLP mini- trunking white-system with independent cover but without central partion etc. as required complete.	57.00	Mtr.		
4	Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system.				
a	End cap	2.00	Nos.		
b	Internal angle/ External angle	7.00	Nos.		
c	Changeable flat angle	5.00	Nos.		
d	Flat Junction	2.00	Nos.		
5	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete.	4.00	Mtr.		
6	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				

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a	85 mm width flexible cover	4.00	Mtr.		
b	End cap	4.00	Nos.		
7	Supplying and fixing following rating, 240/415 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 )	1.00	Nos.		
b	Double Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
c	Four Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
8	Supply, installation, testing and commissioning of following LED lamp in existing fitting as required complete.				
a	20 watt ESENTIAL PHILIPS or equivalent Tube in place of 36/40 W FL tube	103.00	Nos.		
b	18 watt tube in place of 36W PLL lamp	14.00	Nos.		
9	Supply and fixing testing and commissioning of 05 watt LED mirror light fixture with Electronic driver, lamp, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete.	2.00	Nos.		
10	Supply, installation testing and commissioning of following LED light fixtures complete with driver, reflector, diffuser and lamp as required complete.				
a	12 watt LED surface mounted luminaires with diffuser MOONLITE make Crompton or equivalent approved make.	26.00	Nos.		
b	18 watt LED recess mounted luminaires, POLARIS IV make Crompton or equivalent approved make.	4.00	Nos.		
c	34/35/36 watt, 600 mm X 600 mm LED recess mounted luminaires, POLARIS I make Crompton or equivalent approved make.	3.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	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	19.00	Nos.		
b	15/16 amps switch	10.00	Nos.		
c	3/5 pin 5/6 amps socket outlet	11.00	Nos.		
d	3/5 pin 15/16 amps socket outlet	10.00	Nos.		
e	Blanking Plate	1.00	Nos.		
f	Fan regulator rotary step	5.00	Nos.		
13	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	9.00	Nos.		
b	6 Module	5.00	Nos.		
c	8 Module	1.00	Nos.		
14	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	3 Module	5.00	Nos.		
b	6 Module	3.00	Nos.		
15	Supply fixing connecting & commissioning of 15 Amp. 3 pin Plug top ISI mark as reqd.	3.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
16	Drawing of computer network cable/ PVC insulated flexible copper/ 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.	8.00	Mtr.		
17	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	1.00	Nos		
18	Supply and Fixing, of 400 mm sweep AC 230/250 volts, 50 HZ wall mounting revolving fan with brackets etc. required complete	2.00	Nos.		
19	Installation, testing and commissioning of ceiling fan including wiring the down rods of standard length (upto 30 cm)/wall fan/cabin fan, with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	3.00	Nos.		
20	Supply, Installation, connecting , testing and commissioning of following sizes exhaust fan, 220 volt, 50 Hz in the existing opening as reqd complete.				
a	300 mm	2.00	Nos.		
21	Dismantling of ceiling fan / rally fan / all type fitting without regulator l/c depositing in store etc as reqd.	40.00	Nos.		
22	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	3.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
23	Supplying, Installation, testing & commissioning, 4-zone microprocessor based automatic fire alarm control panel with power supply & battery charger having battery box etc as required.	1.00	Nos.		
24	Supplying, installation, testing & commissioning, of ionozatinn smoke detectors with standard base including base plate & mounting accessories as reqd.	5.00	Nos.		
25	Supplying and fixing 2.5 mfd capacitor suitable for ceiling fan.	1.00	Nos.		
	Total Rs.				