

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 95 /IWD/ED/344****SCHEDULE OF QUANTITY**

Name of work: Repairing / replacement of defective electrical items in SE PSEUDO, WL 215, NL-II- lab 303, Account Section and different labs and 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	3.00	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 required.				
a	3 x 1.5 sq. mm	71.00	Metre		
b	3 x 2.5 sq. mm	80.00	Metre		
c	3 x 4 sq. mm	41.00	Metre		
d	3 x 6 sq. mm	94.00	Metre		
e	3 x 10 sq.mm.	13.00	Meter		
f	3 x 16 sq.mm.	26.00	Meter		
3	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	35.00	Metre		
4	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
a	5/6 amps switch	3.00	No.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b	3 pin 5/6 A socket outlet	15.00	No.		
5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	5/6 A switch	43.00	No.		
b	15/16 A switch	40.00	No.		
c	3 pin 5/6 A socket outlet	29.00	No.		
d	6 pin 15/16 A socket outlet	41.00	No.		
e	Blanking Plate	30.00	No.		
6	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	No.		
7	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
a	1 or 2 Module	11.00	No.		
b	3 Module	11.00	No.		
c	4 Module	4.00	No.		
d	6 Module	14.00	No.		
e	12 Module	7.00	No.		
8	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	24.00	No.		
9	Supplying and fixing brass batten/ angle holder including connection etc. as required.	24.00	No.		
10	Supply and drawing PVC insulated 3 core round copper conductor cable of following size for connection of equipments / exhaust fan & other work as reqd.				
a	1.50 sq. mm	28.00	Meter		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	S & F following size of PVC flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	28.00	Meter		
12	Supply and fixing of 32 x 20 mm DLP mini- trunking white-system with independent cover etc. as required complete.	75.00	Meter		
13	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete.	4.00	Meter		
14	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				
a	85 mm flexible cover	4.00	Meter		
b	End cap	3.00	Nos.		
15	Supplying & fixing 3mm (1/8") thick phenolic laminated sheet on existing board with screw & washer etc. as required.	412.00	Sq.cm.		
16	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	7.00	Nos.		
17	Locating fault in the cable lines with meggar etc and rectifying removing & restoring the same and making good the damages etc as required.	1.00	Nos.		
18	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	61.00	Nos.		
19	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.and depositing it in sectional store.	5.00	Meter		
20	Fixing 20/25/32 mm conduit pipe on surface with clamp/in recessed only conduit pipe supplied by department.(Free of cost)	5.00	Meter		
21	Dismantling and refixing of M.S./PVC box of up to 250 x 300 x100 on surface recessed as required. including painting with enamel paint as reqd	2.00	Nos.		

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22	Providing connection for motor/ panel starter/ transformer upto 1 Kva / steblizer.	6.00	Nos.		
23	Alteration of internal wiring in existing fitting of any type for retrofiting of tube LED i/c dismantelling & refixing as reqd.	21.00	Nos.		
24	Supplying and fixing following size/ modules, plastic box for modular switches in recess etc as required.				
a	1 or 2 Module	1.00	Nos.		
b	3 Module	1.00	Nos.		
c	6 Module	1.00	Nos.		
d	12 Module	1.00	Nos.		
25	Supply, installation, testing and commissioning of following LED lamp in existing fitting as required complete.				
a	20 watt ESENTIAL PHILIPS or equivalent Tube inplace of 36/40 W FL tube	30.00	Nos.		
b	18 watt. LED PLL lamp	12.00	Nos.		
26	Supply and fixing of following LED light fixture with Electronic driver, LED lamp, reflector, diffusser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete.				
a	1 X 20W LED tube with fitting	5.00	Nos.		
b	2 X 20W LED tube with fitting	1.00	Nos.		
c	18 watt recess 300 x 300 mm mounting LED light fixture	22.00	Nos.		
d	18 watt surface mounting 300 x 300 mm LED light fixture	4.00	Nos.		
e	36 watt recess mounting LED light fixture 600 x 600 mm	2.00	Nos.		
27	Supply and fixing testing and commissioning of 10 watt LED bulkhead fixture with Electronic driver, lamp, reflector, diffusser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete.(eq. To Cropmton cat. no. LBHE-10-CDL	8.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
28	Repairing , cleaning, testing & commissioning box /industrial type /decorative type fitting I/c replacement of all parts if reqd.	1.00	Nos.		
29	Supply and fixing testing and commissioning of 1X10 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.(eq. To Cropmton cat. no.LCTLN-10-CDL).	1.00	Nos.		
30	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
a	Fan regulator socket type	2.00	Nos.		
31	Supply Installation, testing and commissioning of following ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.				
a	1200mm sweep.	1.00	Nos.		
32	Supply and installation of 400mm sweep AC 230/250 volts, 50 Hz wall mounting revolving fan with brackets etc complete.	2.00	Nos.		
33	Supply fixing connecting & commissioning of following rating ISI marked 3 pin Plug top Anchor make as reqd complete.				
a	5 Amp	1.00	Nos.		
b	15 Amp	2.00	Nos.		
34	Supplying and fixing following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	Single pole 5 A to 32 A	3.00	No.		
b	Double pole 5 A to 32 A	1.00	No.		
c	Double Pole (40A-63A)	2.00	Nos.		
d	Triple pole (40A-63A)	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
e	Four Pole (40A-63A)	3.00	Nos.		
35	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	2.00	No.		
36	Supply and Fixing, 20 Amp. Plug top for 2P+E industrial socket and top assembly as required complete.	2.00	Nos.		
37	Supply and Fixing, 20 Amp. socket for 2P+E industrial socket and top assembly as required complete.	2.00	Nos.		
38	S&F, Copper tube / reducer/ lug terminals suitable for following size of conductor.				
a	6 /10/16 Sq.mm.	12.00	Nos.		
39	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	RJ 11 Telephone socket	6.00	Nos.		
40	Fixing of Network rack on steel fasttner including cartage from store to site as reqd complete.	1.00	Nos.		
	Total Rs.				