

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 41/IWD/ED/120****SCHEDULE OF QUANTITY**

Name of work: Repairing / replacement of defective electrical items in FB 605 6th floor, WL 102, Engine Research Lab 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	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	1 X 1.5 Sq.mm	21.00	Mtr		
b	3 X 1.5 Sq.mm	78.00	Mtr		
c	3 X 2.5 Sq.mm	34.00	Mtr		
d	2 X 4 Sq.mm	26.00	Mtr		
e	3 x 4 Sq.mm	66.00	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 1.5 sq.mm	8.00	Mtr.		
b)	3 core 2.5 Sq.mm	35.00	Mtr.		
c	4 core 2.5 Sq.mm	80.00	Mtr.		
d	4 core 4.0 Sq.mm	30.00	Mtr.		
3	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	72.00	Mtr.		
4	Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system.				
a	End cap	1.00	Nos.		
b	Internal angle/ External angle	1.00	Nos.		
c	Changeable flat angle	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	25 mm	10.00	Mtr.		
6	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "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.	5.00	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)	10.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	1.00	Nos.		
d	Single Pole (40 Amp to 63 Amp)	4.00	Nos.		
c	Double Pole (40 Amp to 63 Amp)	1.00	Nos.		
e	Tripple Pole (40 Amp to 63 Amp)	1.00	Nos.		
f	Four Pole (40 Amp to 63 Amp)	2.00	Nos.		
8	S & F metal enclosure suitable for DP/TP/FP MCB on surface or recessed etc as reqd.	2.00	Nos.		
9	Supply, fixing, connecting, testing and commissioning of 10 Watt LED bulkhead fitting IP65 surface mounting luminaires with suitable LED lamp and connection Sunrise make Crompton or equivalent approved make.	5.00	Nos		
10	Supply, installation testing and commissioning of following LED light fixtures complete with driver, refelctor, diffuser and lamp as required complete.				
a	20 watt ESENTIAL PHILIPS or equivalent Tube inplace of 36/40 W FL tube	41.00	Nos.		
b	18 watt tube in place of 36W PLL lamp	19.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c	2 x 20 watt LED tube fitting surface, rail mounting / ceiling suspended.	4.00	Nos.		
d	12 watt LED recess mounted luminaires with diffuser CROM SQUARE make Crompton or equivalent approved make.	12.00	Nos.		
e	12 watt LED surface mounted luminaires with diffuser Sleek Surface make Philips or equivalent approved make.	10.00	Nos.		
f	18 watt LED recess mounted luminaires, POLARIS IV make Crompton or equivalent approved make.	10.00	Nos.		
g	18 watt LED surface mounted luminaires, POLARIS IV make Crompton or equivalent approved make.	5.00	Nos.		
h	34/35/36 watt, 600 mm X 600 mm LED recess mounted luminaires, POLARIS I make Crompton or equivalent approved make.	22.00	Nos.		
11	Alteration of internal wiring in existing fitting of any type for retrofitting of tube LED i/c dismantelling & refixing as reqd.	18.00	Nos.		
12	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc as reqd.				
a	5/6 amps switch	1.00	Nos.		
b	15/16 amps switch	6.00	Nos.		
c	3/5 pin 5/6 amps socket outlet	1.00	Nos.		
d	3/5 pin 15/16 amps socket outlet	8.00	Nos.		
13	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	45.00	Nos.		
b	15/16 amps switch	27.00	Nos.		
c	3 pin 5/6 amps socket outlet	22.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
d	3/5 pin 15/16 amps socket outlet	27.00	Nos.		
e	Blanking Plate	2.00	Nos.		
f	2 module stepped type electronic fan regulator	7.00	Nos.		
14	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	26.00	Nos.		
b	3 Module	5.00	Nos.		
c	6 Module	11.00	Nos.		
d	8 Module	2.00	Nos.		
e	12 Module	3.00	Nos.		
15	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	1 or 2 Module	26.00	Nos.		
b	3 Module	4.00	Nos.		
c	4 Module	1.00	Nos.		
d	6 Module	10.00	Nos.		
e	8 Module	1.00	Nos.		
f	12 /16 Module	3.00	Nos.		
16	Supply fixing connecting & commissioning of 5 Amp. 3 pin Plug top as reqd.	4.00	Nos.		
17	Supply fixing connecting & commissioning of 15 Amp. 3 pin Plug top as reqd.	5.00	Nos.		
18	Supply fixing connecting & commissioning 3 pin metal enclosed plug top 20 Amp. as reqd.	1.00	Nos.		
19	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
20	Supply, Installation, testing & commissioning of following sweep Ceiling fan, 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 required complete.				
a	1200 mm sweep	16.00	Nos		
21	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	3.00	Nos.		
b	375 mm	2.00	Nos.		
c	450 mm	4.00	Nos.		
22	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.		
23	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.	4.00	Mtr.		
24	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.		
25	Dismantling & refixing DB/TPN Switches upto 100A/ loose wire boxes/ M.S. boxes alongwith all accessories etc as reqd.	2.00	Nos.		
26	Fixing of telephone DP/network rack on wall floor with suitable brick foundation on bolts and nut etc. as reqd.	1.00	Nos.		
27	Fixing of ceiling fan / rally fan / cabin fan on rag bolts.	1.00	Nos.		
28	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	37.00	Nos.		
29	S & F bakelite sheet 3 mm thick complete with required nuts & bolts as reqd.	232.00	Sq.in.		
30	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	23.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
31	Supplying & fixing Connecting , testing & commising,direct online (DOL) starter suitable upto 10.0 HP 3 phase indution motor 415V, 50Hz make Siemens or approved equivalent makes.	4.00	Nos.		
32	Supplying and fixing 2.5 mfd capacitor suitable for ceiling fan.	9.00	Nos.		
33	Repairing of housing of bearing side /bush side /in fan body in ceiling fan /exhaust fan/ rally fan etc.	1.00	Nos.		
	Total Rs.				