

INDIAN INSTITUTE OF TECHNOLOGY KANPUR**Tender Notice No. 55/IWD/ED/284****SCHEDULE OF QUANTITY**

Name of Work: Providing power supply in the panel of AHU's & FCU's, exhaust fans, FFU's and inline fans in Animal House.

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	100.00	Mtr		
b	3 x 4 Sq.mm	30.00	Mtr		
2	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	180 mm X 100 mm X 60 mm deep	14.00	Nos.		
3	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	5.00	Nos.		
b	15/16 amps switch	5.00	Nos.		
c	3 pin 5/6 amps socket outlet	5.00	Nos.		
d	6 pin 15/16 amps socket outlet	5.00	Nos.		
e	Blanking Plate	1.00	Nos.		
4	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	3 module (100mm x 75mm)	3.00	Nos.		
b	6 module (200mm x 75mm)	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FR PVC insulated copper conductor upto the terminal connector/ neutral link, earthing etc as required (But without MCB/ RCCB/ Isolator).				
a	4 way (4 + 12) Double door	2.00	Nos.		
6	S & F following rating and pole, 240 volts 'C' curve 10 kA, lexic MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd.				
a	Double Pole (5 Amp to 32 Amp)	4.00	Nos.		
b	Tripple pole (40 Amp to 63 Amp)	12.00	Nos.		
c	Four Pole (40 Amp to 63 Amp)	14.00	Nos.		
7	Earthing with GI earth electrode 50mm dia x 3 mtr length including earth enhancing compound (Jam Fill quality product) and PIT cover for earthing pit etc as reqd. (193GI JMV)	4.00	Set		
8	Providing & fixing 25mm x 5mm GI strip on surface or in recessd for connection etc. as reqd.	50.00	Mtr		
9	Providing and fixing 6 SWG dia G.I wire on surface or in reces for loop earthing along with existing surface/ recessed conduit/ submain wiring cable/ cable as required.	100.00	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, 25KA	3.00	Nos.		
11	S&F connecting and commissioning indipendent mounting of 125/160/250 amp MCCB enclosure make legrand or its equivalent approved make in surface/recess I/c cutting the wall and making good the same in case of recessed as reqd.	3.00	Nos.		
12	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	50.00	Mtr.		
13	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	End cap	4.00	Nos.		
b	Internal angle/ External angle	5.00	Nos.		
c	Changeable flat angle	5.00	Nos.		
d	Flat Junction	3.00	Nos.		
14	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	15.00	Nos.		
15	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	10.00	Mtr.		
b	25 mm	10.00	Mtr.		
16	Supplying & Laying of one no. PVC insulated & PVC sheathed aluminium conductor steel armoured cable of size 3-1/2x25 sqmm 1.1kV grade .				
a	On surface with MS clamp	200.00	Mtr.		
b	In open duct	20.00	Mtr.		
17	Supplying & Laying of one no. PVC insulated & PVC sheathed aluminium conductor steel armoured cable of size 3-1/2x70 sqmm 1.1kV grade .				
a	On surface with MS clamp	110.00	Mtr.		
b	In open duct	20.00	Mtr.		
18	Supplying and making end termination with brass compression gland with aluminium lugs for following size of PVC insulated & PVC sheathed/XLPE aluminium cable of 1.1kV grade as reqd.				
a	3-1/2x25 sqmm	22.00	Nos.		
b	3-1/2x 70 sqmm	8.00	Nos.		
19	Supply and drawing PVC insulated copper conductor (Flexible) 3 core round cable 1.5Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	100.00	Mtr.		
20	Supply fixing connecting & commissioning of 5 Amp. 3 pin Plug top as reqd.	2.00	Nos.		
21	Supply fixing connecting & commissioning of 15 Amp. 3 pin Plug top as reqd.	3.00	Nos.		