

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**

**Tender Notice No. 76/IWD/ED/491**

**SCHEDULE OF QUANTITY**

Name of Work: Modification of electrical installation to setup Indo US project point lab at ACES-105.

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 2.5 Sq.mm	20.00	Mtr		
b	3 x 4 Sq.mm	20.00	Mtr		
c	3 X 6 Sq.mm	80.00	Mtr		
d	3 X 10 Sq.mm	100.00	Mtr		
2	Supply and drawing PVC insulated copper conductor (Flexible) 3 core round cable 2.5 Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	60.00	Mtr.		
3	Supply and drawing PVC insulated copper conductor (Flexible) 3 core round cable 4.0 Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	50.00	Mtr.		
4	Supply and drawing PVC insulated copper conductor (Flexible) 4 core round cable 4.0 Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	50.00	Mtr.		
5	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		
b	25 mm	25.00	Mtr		
6	Providing and fixing DLP Aluminium trunking of size 105 mm x 50 mm with cover on surface as reqd.	30.00	Mtr.		
7	Supply and fixing of following items for Aluminium trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	4.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
8	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth metal enclosed plug top along with 20 amps ' C ' series SP, MCB, in the sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc as required.	2.00	Nos.		
9	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a	8 Way, double door	1.00	Nos.		
10	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). (Note : Prewired vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a	8 way (4 + 24) Double door	1.00	Nos.		
11	Supplying and fixing following rating, 240 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 )	24.00	Nos.		
b	Double Pole ( 5 Amp to 32 Amp )	1.00	Nos.		
c	Tripple Pole ( 5 Amp to 32 Amp )	4.00	Nos.		
d	Four Pole ( 5 Amp to 32 Amp )	2.00	Nos.		
e	Single Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
f	Double Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
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 metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	3.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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	16.00	Nos.		
b	15/16 amps switch	34.00	Nos.		
c	3 pin 5/6 amps socket outlet	16.00	Nos.		
d	6 pin 15/16 amps socket outlet	34.00	Nos.		
14	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	6.00	Nos.		
b	6 Module	22.00	Nos.		
15	Supply fixing connecting & commissioning of 5 Amp. 3 pin Plug top as reqd.	6.00	Nos.		
16	Supply fixing connecting & commissioning of 15 Amp. 3 pin Plug top as reqd.	6.00	Nos.		
17	Supplying and fixing 32 amps, 415 volts, 3P+N+E industrial type, socket outlet, with 5 pin metal enclosed plug top along with 32 amps ' C ' series four pole MCB, in the sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc as required.	2.00	Nos.		
	<b>Total Rs.</b>				