

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 148/IWD/ED/631

SCHEDULE OF QUANTITY

Name of Work: Providing of 165 Amp three phase connection with neutral & earthing and other associated work in ER Lab.

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 required.				
a	6 x 10 sq.mm.	35.00	Meter		
b	6 x 16 sq.mm.	10.00	Meter		
2	Supplying and laying of one no. 1 X 70 Sqmm PVC insulated, XLPE un armoured copper cable conductor power cable of grade 1.1 kV as required complete in following manners.				
a	In open duct	160.00	Meter		
3	Supply and fixing of 32 x 20 mm DLP mini- trunking white-system with independent cover etc. as required complete.	30.00	Meter		
4	Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system				
a	Internal / external angle	3.00	Nos.		
b	Flat junction	2.00	Nos.		
5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a	8 way (4 + 24), Double door	1.00	No.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6	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	Triple pole 5 A to 32 A	4.00	No.		
b	Triple pole and neutral 5 A to 32 A	1.00	No.		
c	Triple pole (40A-63A)	4.00	Nos.		
d	Four Pole (40A-63A)	1.00	Nos.		
7	S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.	1.00	Nos.		
8	S&F, Copper tube / reducer/ lug terminals suitable for following size of conductor.				
a	6 /10/16 Sq.mm.	24.00	Nos.		
b	70 Sq.mm.	12.00	Nos.		
9	Chemical Earthing with Copper bonded 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.	2.00	No.		
10	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	30.00	Metre		
11	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	5.00	Metre		
12	S & F, connecting and commissioning 4 pole Front handle operated in sheet steel enclosure On Load changeoverswitch of following capacity etc. as reqd.				
a	250 Amp	1.00	Nos.		
	Total Rs.				