

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 49/Elect/2020

SCHEDULE OF QUANTITY

Name of Work: Providing external power supply to 4I Lab Directly from Substation No. 1.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in existing steel conduit as required complete.				
a	4 X 25 sq. mm + 2 X 16 sq. mm earth wire	190.00	Mtr		
2	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	40 mm	5.00	Mtr.		
3	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete.	40.00	Mtr.		
4	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				
a	85 mm width flexible cover	40.00	Mtr.		
b	End cap	5.00	Nos.		
c	Internal angle.	10.00	Nos.		
d	External angle	10.00	Nos.		
e	Flat Junction	2.00	Nos.		
f	Changeable flat angle	5.00	Nos.		
g	Separation partitions	5.00	Mtr.		
h	cover joint	1.00	Nos.		
i	Base joint	20.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	2.00	Set		
6	Providing & fixing 25mm x 5mm GI strip on surface or in recessd for connection etc. as reqd.	40.00	Mtr		
7	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 95 sq. mm and upto 185 sq. mm in flowing manners.				
a	Direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.	275.00	Metre		
b	Existing RCC/ HUME/ METAL pipe as required.	45.00	Metre		
c	In the existing masonry open duct as required.	5.00	Metre		
d	On wall surface as required.	6.00	Metre		
e	Direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.	275.00	Metre		
8	Supplying of one number XLPE insulated power cable of 3 ½ C x 185 sq.mm. aluminium conductor, steel armoured , 1.1kV grade as per IS:7098 (Part-1)	606.00	Metre		
9	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 ½ X 185 sq. mm	4.00	Nos.		
10	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required				
a	80 mm dia	45.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	Installation testing and commissioning of LT panel with 400 Amp MCCB as incommer and eight nos 125 A MCCB as outgoing. As required complete. (The panel shall be given by the institute free of cost however cost of transportaton from the store is included in the Item.)	1.00	Job		
12	Supply, Fixing, copper lug suitable for following size of conductor/ cable.				
a	16 Sqmm	10.00	Nos.		
b	25 Sqmm	20.00	Nos.		
	Total Rs.				