

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 108/Elect/2020

SCHEDULE OF QUANTITY

Name of Work: Shifting of power cable along with network and telephone cables in the footprint of upcoming building of Faculty Building Annexe and other associated work at IIT Kanpur.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Lifting & removing cable of following sizes from trench/clamps, making roll & depositing the same in store I/c cartage.				
1.1	Upto 35 sq. mm	250.00	Metre		
1.2	Above 35 sq. mm and upto 95 sq. mm	200.00	Metre		
1.3	Above 95 sq. mm and upto 185 sq. mm	350.00	Metre		
1.4	Above 185 sq. mm and upto 400 sq. mm	650.00	Metre		
2	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
2.1	4 X 16 sq. mm	8.00	Each		
2.2	4 X 25 sq. mm	10.00	Each		
2.3	3½ X 70 sq. mm	4.00	Each		
2.4	3½ X 95 sq. mm	6.00	Each		
2.5	3½ X 150 sq. mm	6.00	Each		
2.6	3½ X 185 sq. mm	8.00	Each		
2.7	3½ X 240 sq. mm	6.00	Each		
2.8	3½ X 300 sq. mm	12.00	Each		
2.9	3½ X 400 sq. mm	4.00	Each		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
3	Supplying of PVC insulated, PVC sheathed XLPE aluminium conductor armored cable of Following size, 1.1 KV grade, etc. as required [conforming to I.S-1554/1/88].				
3.1	4 X 16 sq. mm	180.00	Metre		
3.2	4 X 25 sq. mm	200.00	Metre		
3.3	3½ X 70 sq. mm	50.00	Metre		
3.4	3½ X 95 sq. mm	60.00	Metre		
3.5	3½ X 150 sq. mm	60.00	Metre		
3.6	3½ X 185 sq. mm	200.00	Metre		
3.7	3½ X 240 sq. mm	80.00	Metre		
3.8	3½ X 300 sq. mm	250.00	Metre		
3.9	3½ X 400 sq. mm	80.00	Metre		
4	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
4.1	4 X 16 sq. mm (28mm)	6.00	Each		
4.2	4 X 25 sq. mm (28mm)	4.00	Each		
4.3	3½ X 70 sq. mm (38mm)	2.00	Each		
5	Laying of PVC insulated, PVC sheathed XLPE aluminium conductor armored cable of Following size, 1.1 KV grade , direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
5.1	Upto 35 sq. mm	200.00	Metre		
5.2	Above 35 sq. mm and upto 95 sq. mm	65.00	Metre		
5.3	Above 95 sq. mm and upto 185 sq. mm	140.00	Metre		
5.4	Above 185 sq. mm and upto 400 sq. mm	200.00	Metre		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size 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.				
6.1	Upto 35 sq. mm	190.00	Metre		
6.2	Above 35 sq. mm and upto 95 sq. mm	55.00	Metre		
6.3	Above 95 sq. mm and upto 185 sq. mm	130.00	Metre		
6.4	Above 185 sq. mm and upto 400 sq. mm	195.00	Metre		
7	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
7.1	Upto 35 sq. mm	20.00	Metre		
7.2	Above 35 sq. mm and upto 95 sq. mm	10.00	Metre		
7.3	Above 95 sq. mm and upto 185 sq. mm	20.00	Metre		
7.4	Above 185 sq. mm and upto 400 sq. mm	20.00	Metre		
8	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				
8.1	80 mm dia	40.00	Metre		
8.2	100 mm dia	50.00	Metre		
9	Dismantling cross arm / street light brakcet/street light fitting from any size of pole complete as required and depositing in sectional store.	1.00	Each		
10	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required.	1.00	Metre		
11	Dismantling, shifting, reinstallation, testing and commissioning of existing street light panel etc. complete as required .	1.00	Each		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
12	Supplying, laying, connecting and commissioning of 50 pairs jelly filled armoured telephone cable PVC insulated and PVC sheathed annealed tinned copper conductor.				
12.1	In ground i/c excavation, sand cushioning, protective covering and refilling the trench with dressing of earth etc. as required.	50.00	Metre		
13	Providing and making telephone cable joint of 50 pair with all jointing materials including locating fault for following pair telephone cable as required complete.	4.00	Each		
14	Laying UTP cable enhanced Optical fibre/cat 5/cat 6 cable in existing steel conduit pipe/GI pipe/ raceway / RCC pipe/hdpe pipe as reqd. the cost shall also include numbering of networking wire from room to rack as reqd. (wire will be supplied by dept)	150.00	Metre		
15	Supply and laying of HDPE pipe ISI mark of 32 mm (8Kg / cm ²) size inner dia, 2mm thick I/c cartage loading & unloading etc. as reqd.				
15.1	Direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	120.00	Metre		
15.2	In Pipe	20.00	Metre		
15.3	In open duct	5.00	Metre		
15.4	On surface with MS clamp	10.00	Metre		
	Total Rs.				