

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 86/Elect/2020

SCHEDULE OF QUANTITY

Name of Work: Supply and laying cable from substation number one to western lab extension.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size 185 sq. mm and upto 400 sq. mm including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	In pipe	680.00	Mtr		
b	In Open duct	60.00	Mtr		
2	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	5.00	Each		
3	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.				
a	3½ X 300 sq. mm (70mm)	8.00	Nos		
b	3½ X 400 sq. mm (82mm)	2.00	Nos		
4	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	10.00	Mtr		
5	Digging cable trench for taking out cable and refilling , watering ,ramming the sameafter taking out cable as reqd complete.	20.00	Mtr		
6	Supplying of one No. PVC insulated & PVC sheathed / XLPE power cables size 3½ X 300 sq. mm (heavy duty) aluminium conductor, steel armoured cable of 1.1kV grade as per IS:7098 (Part-I) as reqd complete in following manners.	740.00	Mtr		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	Fabrication, supplying & fixing of box of required size made out of 2mm thick CRCA sheet duly powder coated & openable from top-bottom or front required & fixing the same complete as required.	60.00	Kg		
8	S & F, connecting and commissioning 630Amp 4 Pole front handle I-O-II operated changeover switch with bridging bars, extended shaft and IP 65 pistol type handle of following capacity etc MAKE:ABB or its equivalent. as reqd.	1.00	Nos		
9	Laying of 63mm to 100mm ID HDPE pipe direct inground 2-2.5mtr below by using HDD machine as per complete requirement.	680.00	Mtr.		
10	Supply of HDPE pipe ISI mark of following size 75 mm (6Kg / cm ²) inner dia, l/c cartage loading & unloading etc. as reqd.	680.00	Mtr.		
11	Supplying, connecting and commissioning of following size aluminium bus bar including bending to suitable shape, making hole for nut-bolts, providing and fixing bus bar insulators, slivering, nut-bolts in existing panel/box for connections etc. as required complete				
a	50mmx10mm	5.00	Mtr.		
12	Dismantling and refixing brass compression type gland up to 400 sq. mm. cable	5.00	Nos		
	Total Rs.				