

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**



**Tender Notice No. 75/Elect/2020**

**SCHEDULE OF QUANTITY**

**Name of Work: Replacement of damaged LT cable 3.5x 95 sq.mm feeding from SS#1 to old Lecture Hall (L1 to L7) by laying new 3.5 x 185 sq.mm cable and other associated works.**

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 95 sq. mm and upto 185 sq. mm including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	Direct in ground	70.00	Mtr		
b	In pipe	600.00	Mtr		
c	In Open duct	40.00	Mtr		
d	In surface	20.00	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 95 sq. mm (45mm)	6.00	Nos		
b	3½ X 185 sq. mm (57mm)	4.00	Nos		
4	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.				
a	3½ X 185 sq. mm	2.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	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	50.00	Mtr		
6	Lifting removing cable exceeding 95 sq.mm. but not exceeding 185sq.mm. size from trench /clamps, making role & depositing the same in store I/c cartage.as per requirement.	77.00	Mtr		
7	Digging trench for taking out cable and refilling , watering ,ramming the sameafter taking out cable as reqd complete.	75.00	Mtr		
8	Supplying of one No. PVC insulated & PVC sheathed / XLPE power cables size 3½ X 95 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.	170.00	Mtr		
9	Supplying of one No. PVC insulated & PVC sheathed / XLPE power cables size 3½ X 185 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.	560.00	Mtr		
10	Laying of 63mm ID HDPE pipe direct inground 2-2.5mtr below by using HDD machine, preparation layout drawing with mention of route markers as per execution ,site condition and as directed by engineer incharge complete requirement.	500.00	Mtr.		
11	Supply of HDPE pipe ISI mark of following size 63 mm (6Kg / cm <sup>2</sup> ) inner dia, I/c cartage loading & unloading etc. as reqd.	600.00	Mtr.		
12	Dismantling and refixing brass compression type gland up to 400 sq. mm. cable	5.00	Nos		
13	Disconnecting and Dismantling/refixing damaged Changeover Switch/ MCCB /DB/KWH meter/pole fuse box of any size from site and depositing in store I/c cartage etc. as reqd.	6.00	Nos		
	<b>Total Rs.</b>				