

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**



**Tender Notice No. 106/Elect/2020**

**SCHEDULE OF QUANTITY**

**Name of Work: Replacement of damaged LT cable 3.5x 400 sq.mm between feeder pillar No. 6 and 7 at Type-I A area IIT Kanpur.**

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 sqmm to 400 sqmm complete as required in following manners.				
a	Laying direct in ground, including excavation, sand cushioning, protective covering and refilling the trench etc as required	340.00	Mtr.		
b	Laying direct in pipe	30.00	Mtr.		
c	Laying direct in open duct	10.00	Mtr.		
2	Supplying and making indoor 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 400 sq. mm (82mm)	3.00	Each		
3	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 400 sq. mm	2.00	Each		
4	Providing and laying in position reinforced cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required (excluding reinforcement).	1.00	Cum		

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	100 mm dia	30.00	Mtr.		
6	Supplying of one No. PVC insulated & PVC sheathed , XLPE power cables (heavy duty) aluminium conductor, steel armoured cable of size 3.5 x 400sqmm, 1.1kV grade as per IS:7098 (Part-1) as reqd complete.	380.00	Mtr.		
7	Locating fault in the cable lines with fault locator and meggaring etc and rectifying removing & restoring the same and making good the damages etc as required.	1.00	Nos		
8	Digging trench for taking out cable and refilling , watering ,ramming the sameafter taking out cable as reqd complete.	30.00	Mtr.		
9	Dismantling of brass compression type gland up to 400 sq. mm. cable.	2.00	Nos		
	<b>Total Rs.</b>				