

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**



**Tender Notice No. 120/Elect/2021**

**SCHEDULE OF QUANTITY**

**Name of Work: Providing main power supply from substation No. 7 to proposed Earth Science Building construction by CPWD at 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 direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	Above 185 sq. mm and upto 400 sq. mm	250.00	Mtr		
2	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.				
a	Above 185 sq. mm and upto 400 sq. mm	160.00	Mtr		
3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
a	Above 185 sq. mm and upto 400 sq. mm	1390.00	Mtr		
4	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.	6.00	Each		
5	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 mgrade as required.				
a	3½ X 400 sq. mm (82mm)	16.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6	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	100.00	Mtr		
7	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.				
a	150 mm dia	100.00	Mtr		
8	Supplying of one No. PVC insulated & PVC sheathed / XLPE power cables size 3½ X 400 sq. mm (heavy duty) aluminium conductor, steel armoured cable of 1.1kV grade as per IS:7098 (Part-I) as reqd complete.	1800.00	Mtr		
	<b>Total Rs.</b>				