

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 108/Elect/2019****SCHEDULE OF QUANTITY****Name of Work: : Laying of fiber optical cable from academic gate no. 1 to security section to Hall-12 as requested by the computer centre.**

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 /Fiber cable / XLPE power cable of 1.1 KV grade of 35 sq. mm and upto 95 sq. mm size including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	Laying charges direct in pipe	800.00	Mtr.		
b	Laying charges direct in open duct	100.00	Mtr.		
c	Laying charges on surface	100.00	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.	10.00	Each		
3	Excavation for cable trenches in soft soil, depth upto 1.2 m including dressing of sides lift upto 1.5 m, including getting out the excavated soil, refilling with sand and or good soil after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	10.00	Cum		
4	Providing brick work (in width 225 mm or more) with F.P.S. bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels.	10.00	Cum		
5	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	15.00	Sqm		

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)	50 mm	50.00	Mtr.		
7	Supplying and laying of 150 mm dia Half round RCC pipe medium duty including excavation, refilling as required for cable entry including the cost of sealing at the ends as required complete.				
a)	150 mm. dia. Half round RCC Pipes	800.00	Mtr.		
8	Fixing internet rack / Telephone DP suitable etc from store to site as reqd complete.	5.00	Nos.		
9	S/F, angle iron 50mm x 50mm x 6mm i/c cutting, welding, painting etc. as reqd.	20.00	Mtr.		
10	Digging trench for taking out cable and refilling ,watering ,ramming the same after taking out cable as reqd complete.	200.00	Mtr.		
11	Supply and laying of Permanently Lubricated (PLB) HDPE DUCT pipe ISI mark of following 40/33mm size (6Kg /cm ²) inner dia, I/c cartage loading & unloading etc. as reqd.				
a	Laying charges direct in ground	800.00	Mtr.		
b	Laying charges direct in pipe	100.00	Mtr.		
c	Laying charges on surface	100.00	Mtr.		
d	Laying charges on Open Duct	100.00	Mtr.		
	Total Rs.				