

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 43/Elect./2019****SCHEDULE OF QUANTITY****Name of Work: Providing light, plug points, earthing and telephone connection in portable guard cabins at main gate incoming, main gate outgoing, security section T-Junction, Air strip road T-Junction, 33 Lane T-Junction & shivli gate and other associated works.**

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying & Laying of one no. PVC insulated & PVC sheathed aluminium conductor steel armoured cable of size 2 x16 sqmm 1.1kV grade as reqd.				
a	Direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	600.00	Mtr.		
b	On surface with MS clamp	10.00	Mtr.		
c	In pipe	50.00	Mtr.		
d	In open duct	12.00	Mtr.		
2	Supplying and making end termination with brass compression gland with aluminium lugs for following size of PVC insulated & PVC sheathed/XLPE aluminium cable of 1.1kV grade as reqd.				
a	2x16 sqmm	12.00	Nos.		
3	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required	6.00	Nos.		
4	S&L, connecting and commissioning 5 pairs telephone armoured cable PVC insulated and PVC sheathed annealed tinned copper conductor.				
a	In ground i/c excavation sand cushioning protective covering, refilling of earth as reqd.	430.00	Mtr.		
b	Fixing on surface with MS clamp	10.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c	In existing pipe	32.00	Mtr.		
d	In existing open duct.	12.00	Mtr.		
5	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc .with charcoal/ coke and salt as required.	6.00	Nos.		
6	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required.	50.00	Mtr		
7	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	109.00	Mtr.		
8	Supplying and drawing following pair 0.5 Sq.mm FRLS PVC insulated copper conductor, unarmoured telephone cable in the existing surface/recessed steel/PVC conduit as reqd.				
a	2 Pair	90.00	Mtr		
9	Supply & Laying of 25 mm (8Kg / cm ²) HDPE pipe ISI mark of 2mm thick I/c cartage loading & unloading etc. as reqd.				
a	In ground i/c excavation sand cushioning protective covering, refilling of eath as reqd.	470.00	Mtr.		
b	Fixing on surface with MS clamp	10.00	Mtr.		
c	In existing pipe	54.00	Mtr.		
d	In existing open duct.	10.00	Mtr.		
	Total Rs.				