

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 73/Elect./2018****SCHEDULE OF QUANTITY****Name of Work: Supplying and laying new cable for AC plant of New Core Lab Building.****Name of the Contractor**

<b>S. No</b>	<b>Description of Items</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate in Figures in Rupees</b>	<b>Amount</b>
1	Supplying & Laying of one no. XLPE cable aluminium conductor steel armoured cable of size 3-1/2 x 400sqmm, grade 1.1kV in following manners.				
a)	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	120.00	Mtr.		
b)	additional direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.	120.00	Mtr.		
c)	In existing Pipe	20.00	Mtr.		
d)	In existing open duct	250.00	Mtr.		
e)	Fixing on surface with MS clamp	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 1.1kV grade as reqd.				
a)	3-1/2x400 sqmm(82mm)	4.00	Set		
3	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)	100mm dia	20.00	Mtr.		
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	20.00	Cum		
5	Providing 15 mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	120.00	Sq.mtr.		
6	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
a)	1:1½:3 (1 cement : 1½ coarse sand (zone-III) : 3 raded stone aggregate 20 mm nominal size).	12.00	Cum		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	Digging trench for taking out cable upto 400 Sq.mm. and refilling , watering ,ramming the same after taking out cable as reqd complete.	100.00	Mtr.		
8	Lifting removing cable from trench/clamps, making role & depositing the same in store I/c cartage.				
a)	185 to 400sq.mm	100.00	Mtr.		
9	Laying of one no. PVC insulated and PVC sheathed /XLPE power cable of 1.1kV grade <b>direct in ground</b> including excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.				
a)	185 sqmm to 400 sqmm	50.00	Mtr.		
10	Supplying and Fixing 50 x 50 x 6 mm size angle iron in required shape and size i/c cutting, welding, painting etc. as reqd.	350.00	Mtr.		
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
a)	Thermo-Mechanically Treated bars of grade Fe-500D or more.	360.00	Kg		
12	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	12.00	cum		
13	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	12.00	cum		
14	Excavation for cable trenches of depth upto 1.2 m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.	40.00	cum		
15	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	20.00	cum		
	<b>Total Rs.</b>				