

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 126/Elect/2020****SCHEDULE OF QUANTITY****Name of Work: Shifting of DG power cables coming under construction area of Dinning Block, Providing and fixing change over switches in lift panels of Hall- 12 & 13.**

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying and laying of one no. 3½C x 240 sq.mm. XLPE steel armoured aluminium conductor power cable of grade 1.1 kV as per following details.				
a)	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	150.00	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.	75.00	Mtr.		
c)	In existing Pipe	50.00	Mtr.		
d)	In existing open duct	25.00	Mtr.		
2	Supplying and laying of one no. 3½C x 95 sq.mm. XLPE steel armoured aluminium conductor power cable of grade 1.1 kV as per following details.				
a)	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	75.00	Mtr.		
b)	In existing Pipe	25.00	Mtr.		
c)	In existing open duct	110.00	Mtr.		
3	Supplying and laying of one no. 3½C x 70 sq.mm. XLPE steel armoured aluminium conductor power cable of grade 1.1 kV as per following details.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	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.	75.00	Mtr.		
b)	In existing Pipe	25.00	Mtr.		
c)	In existing open duct	100.00	Mtr.		
4	Supplying and laying of one no. 4 C x 25 sq.mm. XLPE steel armoured aluminium conductor power cable of grade 1.1 kV as per following details.				
a)	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.	75.00	Mtr.		
b)	In existing Pipe	25.00	Mtr.		
c)	In existing open duct	10.00	Mtr.		
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	50.00	Mtr.		
6	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)	3-1/2x70 sq.mm.	1.00	Set		
b)	3-1/2x95 sq.mm.	1.00	Set		
c)	3-1/2x240 sq.mm.	4.00	Set		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
d)	4x25 sq.mm.	1.00	Set		
7	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)	3-1/2x70 sq.mm.(38mm)	13.00	Set		
b)	3-1/2x95 sq.mm.(45mm)	13.00	Set		
c)	3-1/2x240 sq.mm.(62mm)	3.00	Set		
d)	4x16/25 sq.mm.(28mm)	1.00	Set		
8	Digging trench for taking out cable up to 400 Sq.mm. and refilling , watering ,ramming the same after taking out cable as reqd complete.	150.00	Mtr.		
9	Locating fault in the cable lines with meggar etc. and rectifying removing & restoring the same and making good the damages etc. as required.	4.00	Job.		
10	Lifting removing cable of following size from trench/clamps, making roll & depositing the same in store I/c cartage.				
a)	Up to 35 Sq.mm.	25.00	Mtr.		
b)	above 35 up to 95 Sq.mm.	50.00	Mtr.		
c)	above to 95 up to 185 Sq.mm.	50.00	Mtr.		
d)	above 185 up to 400 Sq.mm.	125.00	Mtr.		
Total Rs.					