

INDIAN INSTITUTE OF TECHNOLOGY KANPUR**Tender Notice No. 42/Elect/2020****SCHEDULE OF QUANTITY****Name of Work: Providing DG power supply to SL-308 and SL-309 at IIT Kanpur.**

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	S & F metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in the front I/c painting etc as reqd.				
a	250 mm X 300 mm X 100 mm deep	2.00	Nos.		
2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
a)	125 A,36KA,FPMCCB	1.00	Nos.		
3	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
a)	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	40.00	Mtr.		
4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size 95 sqmm to 185 sqmm including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	Laying direct in ground	450.00	Mtr.		
b	Laying direct in pipe	40.00	Mtr.		
c	Laying direct in open duct	50.00	Mtr.		
d	In surface	70.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size 35 sqmm to 95 sqmm including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a	Laying direct in ground	10.00	Mtr.		
b	Laying direct in open duct	10.00	Mtr.		
c	In surface	40.00	Mtr.		
6	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	3½ X 50 sq. mm (35mm)	4.00	Set		
b	3½ X 95 sq. mm (45mm)	2.00	Set		
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	80 mm dia	40.00	Mtr.		
8	Supplying of one No. PVC insulated & PVC sheathed , XLPE power cables (heavy duty) aluminium conductor, steel armoured cable of size 3.5 x 50sqmm, 1.1kV grade as per IS:7098 (Part-1) as reqd complete in following manners.	60.00	Mtr.		
9	Supplying of one No. PVC insulated & PVC sheathed , XLPE power cables (heavy duty) aluminium conductor, steel armoured cable of size 3.5 x 185sqmm, 1.1kV grade as per IS:7098 (Part-1) as reqd complete in following manners.	610.00	Mtr.		
10	Lifting removing cable exceeding 35sq.mm. but not exceeding 95sq.mm. size from trench/clamps, making roll & depositing the same in store I/c cartage.	100.00	Mtr.		
11	Locating fault in the cable lines with fault locator and meggaring etc and rectifying removing & restoring the same and making good the damages etc as required.	1.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
12	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	4 X 16 sqmm	10.00	Mtr.		
13	S/F, copper cable lug suitable for 16sqmm size of conductor.	12.00	Nos		
14	S & F, connecting and commissioning 125A 4 pole on load Changeover Load break switch in Sheet steel Enclosure of following capacity etc as reqd. complete.	1.00	Nos		
15	Dismantling and refixing brass compression type gland 35 sq.mm up to 95 sq. mm. cable	2.00	Nos		
16	S & F connecting and commissioning mounting of MCCB enclosure box suitable for MCCB's 15Amp to 125Amp in surface/ recess i/c the wall and making good the same in case of recessed as reqd.	1.00	Nos		
	Total Rs.				