

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Dean of Infrastructure & Planning

NIT No.- QT/03-04-2024-08

N/W **Repair of electrical sub panels including replacement of defective part installed in ground floor of block at Hall 7**

Sl. No.	Description of material	Qty.	Unit	Rate	Amount
1	Providing and fixing following rating and breaking capacity and pole <i>MCCB</i> with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
a)	100 Amp. 30KA, FP <i>MCCB</i>	4	Each		
2	Supply and fixing metal enclosure for <i>MCCB</i> of following rating and poles, on surface/ recess duly powder painted as required.				
a)	100 Amp. 30KA, FP <i>MCCB</i>	4	Each		
3	Supplying and making <i>end termination</i> with brass compression gland, aluminium lugs for following size of PVC insulated & PVC sheathed / XLPE aluminium cable of 1.1kV grade as reqd.				
a)	3-1/2 x 70 sq.mm.	4	Nos.		
a)	3-1/2 x 95 sq.mm.	1	No.		
4	Supplying & drawing following sizes of FRLS PVC insulated copper conductor single core cable in / on <i>the existing surface</i> / recessed, PVC / steel conduit as reqd.				
a)	4 x16 Sq. mm.	20	Mtrs		
5	Supply and making end termination with copper lugs (set of 4) for following size cable after removing old complete as required.				
a)	4 x16 Sq. mm.	8	sets		
6	Supply, laying, testing and commissioning of one No. XLPE/ PVC insulated & PVC sheathed power cables (heavy duty) aluminium conductor, steel armoured cable of size 31/2x70 sqmm, 1.1kV grade in following manners complete as reqd.				

a)	Direct in ground	15	Mtrs		
b)	On surface	30	Mtrs		
c)	In pipe	5	Mtrs		
d)	Open duct	5	Mtrs		
7	Providing, fixing and connecting terminal block in existing panel after removing old complete as required.				
a)	up to 160 Amps	12	Nos.		
8	Providing and fixing LED indicator for existing panels after removing defective including connection etc. complete as required.	25	Nos.		
9	Supply & Fixing panel lock for existing electrical panels installed after removing old complete as required.	25	Nos.		
10	Providing and fixing rubber gasket for inspection glass of existing panels after removing old/defective complete as required.	6	Mtrs		
11	Providing and fixing flexible steel conduit of size 25/32 mm complete as required.	20	Mtrs		
12	Providing and fixing transparent acrylic sheet for electrical panels in place of broken/missing inspection glass including drilling, ssecrow nut and bolts complete as required.				
a)	2 mm thick flat	1.5	Sqm		
	Total in (Rs.)				
	Add GST				
	Grand Total in (Rs.)				



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