

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Dean of Infrastructure & Planning

NIT No.- QT/09-05-2024-03

N/W Shifting & re-routing of power cables coming under the construction of new drain water tank in the premises of S & T Park near NCC Gate in the campus

S.No	DESCRIPTION	Qty	Unit	Estimated Rate without GST (Rs)	Estimated Amount without GST (Rs)	Quoted Rate without GST (Rs)	Quoted Amount without GST (Rs)
1	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.						
2	3 x 1.5 Sq.mm.	5.00	Meter	83.30	416.48		
3	3 x 4 Sq.mm.	2.00	Meter	180.62	361.25		
4	3 x 6 Sq.mm.	1.00	Meter	266.55	266.55		

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5	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						
6	125 A, 36KA, FPMCCB	1.00	Nos.	7197.72	7197.72		
7	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.)						
8	4 way (4+12), Double door	1.00	Nos.	6586.58	6586.58		
9	Supplying and fixing following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
10	Single pole 5 A to 32 A	10.00	Nos.	224.46	2244.63		
11	Triple pole and neutral 40 A to 63 A	1.00	Nos.	3038.14	3038.14		

12	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	2.00	Nos.	11.40	22.80		
13	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	1.00	Nos.	6551.51	6551.51		
14	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	8.00	Meter	213.94	1711.53		
15	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.						
16	Above 35 sq. mm and upto 95 sq. mm	115.00	Meter	355.11	40837.35		
17	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/HUME/ METAL pipe as required.						
18	Above 35 sq. mm and upto 95 sq. mm	18.00	Meter	49.98	899.61		
19	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade						

	of following size in the existing masonry open duct as required.							
20	Above 35 sq. mm and upto 95 sq. mm	2.00	Meter	39.46	78.91			
21	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.							
22	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	4.00	Meter	113.99	455.94			
23	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.							
24	3½ X 95 sq. mm (45mm)	2.00	Nos.	515.56	1031.13			
25	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	1.00	sqm	297.85	297.85			
26	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							
27	80 mm	18.00	Meter	805.87	14505.74			

28	Supplying of one no. XLPE sheathed aluminum conductor steel armoured power cable of following size 1.1kV grade.												
29	3½ X 95 sq. mm	140.00	Meter	501.77	70247.96								
30	Dismantling canceled & damaged DB/TPN Switches/starter/ small LT panel/ loose wire boxes along with all accessories and depositing the same in the store repairing the damages as reqd complete.	1.00	Nos.	244.63	244.63								
		Estimated Amount (A) =			Rs. 1,56,996/-	Quoted Amount (B) =		Rs.					
		Percentage (%) = $\frac{B-A}{A} \times 100$											



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