

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 74 /IWD/ED/482

SCHEDULE OF QUANTITY

Name of Work: Different electrical works in NL-I parking area , CL-202A, NL-I-203, ACES-408, CL-105C & D, SL-109, Advance management cell at FB & ACES-408.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/PVC conduit as reqd.				
a	3 X 1.5 Sq.mm	5.00	Mtr		
b	3 X 2.5 Sq.mm	190.00	Mtr		
c	3 x 4 Sq.mm	50.00	Mtr		
d	3 X 10 Sq.mm	48.00	Mtr		
2	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as reqd.				
a	25 mm	65.00	Mtr		
3	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	40.00	Mtr.		
4	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a	End cap	4.00	Nos.		
b	Internal angle/ External angle	6.00	Nos.		
c	Changeable flat angle	5.00	Nos.		
d	Flat Junction	2.00	Nos.		
5	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	45.00	Mtr.		
6	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	35.00	Mtr.		
7	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	4.00	Nos.		
b	Internal angle.	4.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c	External angle	4.00	Nos.		
d	Flat Junction	2.00	Nos.		
e	Changeable flat angle	1.00	Nos.		
f	Separation partitions	30.00	Mtr.		
g	cover joint	12.00	Nos.		
h	Base joint	20.00	Nos.		
8	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts	2.00	Nos.		
9	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	2.00	Mtr.		
b	25 mm	12.00	Mtr.		
10	Providing and fixing following rating and breaking capacity four pole 415V 50Hz MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc as required.				
a	125 Amp, 25 KA	1.00	Nos.		
11	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a	8 Way, double door	1.00	Nos.		
b	12 Way, double door	1.00	Nos.		
12	Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FR PVC insulated copper conductor upto the terminal connector/ neutral link, earthing etc as required (But without MCB/ RCCB/ Isolator). (Note : Prewired vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a	8 way (4 + 24) Double door	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
13	Supplying and fixing following rating, 240 volts, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as reqd.				
a	Single Pole (5 Amp to 32 Amp)	39.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	1.00	Nos.		
c	Tripple Pole (5 Amp to 32 Amp)	1.00	Nos.		
d	Double Pole (40 Amp to 63 Amp)	2.00	Nos.		
e	Tripple Pole (40 Amp to 63 Amp)	1.00	Nos.		
14	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated shet cover in front including painting etc as reqd.				
a	200 mm X 250 mm X 60 mm deep	1.00	Nos.		
15	Supplying and fixing, 24 Watt LED street light luminaries with pressure die cast aluminium housing IP66 complete with all accessories complete	2.00	Nos.		
16	Supplying and fixing following modular switch/socket on the existing modular plate & switch box/ DLP plastic trunking including connections but excluding modular plate etc as reqd.				
a	5/6 amps switch	73.00	Nos.		
b	15/16 amps switch	11.00	Nos.		
c	3 pin 5/6 amps socket outlet	73.00	Nos.		
d	6 pin 15/16 amps socket outlet	11.00	Nos.		
e	Blanking Plate	2.00	Nos.		
17	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	32.00	Nos.		
b	6 Module	26.00	Nos.		
18	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	35.00	Nos.		
19	Drawing of computer network cable/ PVC insulated flexible cooper/ Aluminium single core cable of size 1.5sqmm to 25 sqmm/ telephone cable upto 10 pair in existing pipe / casing and capping as reqd including numbering the wires at both the ends.	800.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
20	S/F, copper cable lug suitable for following size of conductor.				
a	10 Sqmm	18.00	Nos.		
21	Supplying & Laying of one no. PVC insulated & PVC sheathed aluminium conductor steel armoured cable of size 2 x 6 sqmm 1.1kV grade as reqd.				
a	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	30.00	Mtr.		
b	On surface with MS clamp	5.00	Mtr.		
c	In open duct	1.00	Mtr.		
22	Laying of one no. PVC insulated, PVC sheathed/XLPE power cable of 1.1kV grade of size Upto 35 sq. mm				
a	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	10.00	Mtr.		
23	Supplying and making end termination with brass compression gland with aluminium lugs for following size of PVC insulated & PVC sheathed/XLPE aluminium cable of 1.1kV grade as reqd.				
a	2x6 sqmm	2.00	Nos.		
24	Dismantling the old conduit pipe/wood batten of all sizes from surface/recessed & making good the damages I/c filling the holes of the surface etc as reqd.	50.00	Mtr.		
25	Dismantling damaged DB/TPN Switches/ loose wire boxes/ M.S. boxes alongwith all accessories and depositing the same in the store as reqd.	12.00	Nos.		
26	Fixing of telephone DP/network rack (HUB) on wall floor with suitable brick foundation on bolts and nut etc. as reqd.	10.00	Nos.		
27	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	1.00	Nos.		
28	Fixing of 20/25 mm dia steel conduit pipe alongwith the accessories in surface/recessed I/c painting in case of surface conduit or cutting the wall & making good the same in case of recessed conduit as reqd.	10.00	Mtr.		
	Total Rs.				