

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 80/IWD/ED/495

SCHEDULE OF QUANTITY

Name of Work: Electrical work for
 Part-A Different electrical works in TA 201 (Toilet), ACES-325, NL-I-115, FB-107, WL-215 and WLE-303C
 Part-B
 Electrical work for merging rooms FB 422 & 423, FB 424, 425, 426 ,429 and FB 430 & 431
 Part-C
 Providing internet points in WL-116, Fb-482 and power points in Engine Research Lab & WL-116.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
	Part-A				
1	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
a	Group 'C'	8.00	Nos.		
2	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	30.00	Mtr		
b	3 X 2.5 Sq.mm	15.00	Mtr		
c	3 x 4 Sq.mm	105.00	Mtr		
d	3 X 6 Sq.mm	10.00	Mtr		
e	2 X 25 Sq.mm	25.00	Mtr		
3	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	20 mm	10.00	Mtr		
b	25 mm	32.00	Mtr		
c	32 mm	25.00	Mtr		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
4	Supply and drawing PVC insulated copper conductor (Flexible) 3 core round cable 2.5 Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	20.00	Mtr.		
5	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	65.00	Mtr.		
6	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	8.00	Nos.		
c	Changeable flat angle	6.00	Nos.		
d	Flat Junction	2.00	Nos.		
7	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	2.00	Mtr.		
8	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	6 Way, double door	1.00	Nos.		
9	Supplying and fixing following rating, 240 volts, 'C' series, minature 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)	6.00	Nos.		
b	Double Pole (5 Amp to 32 Amp)	4.00	Nos.		
c	Double Pole (40 Amp to 63 Amp)	1.00	Nos.		
10	S/F, connecting, testing and commissioning 1 x 20 watt LED tube fitting surface mounting/ceiling suspended luminares suitable mounting rail for T-LED lamps with 1 No. 20 watt T-LED lamps etc.as reqd	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	S/F, connecting, testing and commissioning 2 x 20 watt LED tube fitting surface mounting/ceiling suspended luminares suitable mounting rail for T-LED lamps with 2 No. 20 watt T-LED lamps and connection etc.as reqd	3.00	Nos.		
12	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminares with diffuser suitable for 600 mm X 600 mm modular POP/Gypsem ceiling etc.as reqd.	3.00	Nos.		
13	Supply & fixing, connecting, testing and commissioning 12 watt COMET SQUARE surface mounted LED luminares with diffuser etc.as reqd.(CAT No. LHEAAWP7IL1W012 make Havells or equivalent approved make)	5.00	Nos.		
14	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	12.00	Nos.		
b	15/16 amps switch	12.00	Nos.		
c	3 pin 5/6 amps socket outlet	11.00	Nos.		
d	6 pin 15/16 amps socket outlet	12.00	Nos.		
e	Blanking Plate	1.00	Nos.		
15	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	1 or 2 Module	2.00	Nos.		
b	3 Module	10.00	Nos.		
c	6 Module	7.00	Nos.		
16	Supplying and fixing following Module Plastic box for fixing modular switches/sockets in surface/recess etc as required.				
a	1 or 2 Module	2.00	Nos.		
b	3 Module	10.00	Nos.		
c	6 Module	3.00	Nos.		
17	Supply fixing connecting & commissioning of 5 Amp. 3 pin Plug top as reqd.	1.00	Nos.		
18	Supply fixing connecting & commissioning of 15 Amp. 3 pin Plug top as reqd.	7.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
19	S & F of 400 mm sweep AC 230/250 volts, 50 HZ wall mounting revolving fan with brackets etc. complete	1.00	Nos.		
20	Supplying and fixing connecting and commissioning of AC 230/250 volts, 50 HZ, 250 mm sweep fresh air fan including providing nuts, bolts, mounting frame and other accessories etc. complete	2.00	Nos.		
21	Supply,Installation of exhaust fan 220 volt, 50 Hz of following sizes in the existing opening I/c connection, testing, commissioning etc as reqd.				
a	300 mm	1.00	Nos.		
22	S/F, Exhaust fan shutter of following sizes on rag bolts as reqd.				
a	300 mm	1.00	Nos.		
23	S/F, copper cable lug suitable for following size of conductor.				
a	25 Sqmm	4.00	Nos.		
24	Supply and drawing PVC insulated copper conductor (Flexible) 3 core round cable 2.5 Sq.mm for connection of equipments / exhaust fan/AC & other work as reqd.	2.00	Mtr.		
25	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	3.00	Nos.		
26	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	6.00	Nos.		
	Part-B				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 Sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a	Group C	1.00	Point		
2	Supplying and fixing call bell/ buzzer suitable for A.C. single phase, 230 volts, complete as required.	1.00	Nos.		
3	S/F, connecting, testing and commissioning 36 watt LED recess mounted luminaires with PMMA diffuser suitable for modular ceiling etc.as reqd.	29.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
4	S/F, connecting, testing and commissioning 12 watt 6000K COMET SQUARE surface mounted LED luminaires with diffuser etc.as reqd.(CAT No.LHEAAWP7IL1W012 make Havells or equivalent approved make)	2.00	Nos.		
5	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	31.00	Nos.		
	Part-C				
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 2.5 Sq.mm	5.00	Mtr		
b	3 x 4 Sq.mm	55.00	Mtr		
2	Supplying, installation DLP mini- trunking 32mm x 12.5mm and accessories white-system with independent cover- without central partion etc. as reqd.	10.00	Mtr.		
3	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 12.5 mm				
a	Internal angle/ External angle	2.00	Nos.		
b	Changeable flat angle	2.00	Nos.		
4	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	70.00	Mtr.		
5	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a	End cap	3.00	Nos.		
b	Internal angle/ External angle	7.00	Nos.		
c	Changeable flat angle	8.00	Nos.		
d	Flat Junction	3.00	Nos.		
6	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	32.00	Mtr.		
7	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	30.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
8	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	8.00	Nos.		
b	Internal angle.	4.00	Nos.		
c	External angle	5.00	Nos.		
d	Flat Junction	3.00	Nos.		
e	Changeable flat angle	4.00	Nos.		
f	Separation partitions	10.00	Mtr.		
g	cover joint	6.00	Nos.		
h	Base joint	14.00	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	5.00	Mtr.		
10	Supplying and fixing following rating, 240 volts, 'C' series, minature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as reqd.				
a	Double Pole (5 Amp to 32 Amp)	1.00	Nos.		
11	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	8.00	Nos.		
b	15/16 amps switch	13.00	Nos.		
c	3 pin 5/6 amps socket outlet	8.00	Nos.		
d	6 pin 15/16 amps socket outlet	13.00	Nos.		
12	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	6 Module	14.00	Nos.		
13	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	45.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
14	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.	1000.00	Mtr.		
15	Fixing of telephone DP/network rack (HUB) on wall floor with suitable brick foundation on bolts and nut etc. as reqd.	1.00	Nos.		
16	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.	6.00	Mtr.		
b	On surface with MS clamp	10.00	Mtr.		
c	In open duct	2.00	Mtr.		
17	S & F metal enclosure suitable for DP/FP MCB/ on surface or recessed etc as reqd.	1.00	Nos.		
	Total Rs. (Part-A, Part-B & Part-C)				