

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**

**Tender Notice No. 98 /IWD/ED/565**

**SCHEDULE OF QUANTITY**

Name of Work: Electrical work for :Part-A Shifting of power points, Distribution boards and LAN points alongwith other associated work in Biomaterial lab.

Part-B Replacement of old & damaged fitting in ACES-105, 105D, 113 & 308 and providing internet points in NWTF -303, FB-384 & FB, CL & SL.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
<b>Part-A</b>					
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	10.00	Mtr		
b	3 X 2.5 Sq.mm	60.00	Mtr		
c	3 x 4 Sq.mm	60.00	Mtr		
d	3 X 6 Sq.mm	15.00	Mtr		
3	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	20.00	Mtr.		
4	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a	End cap	2.00	Nos.		
b	Internal angle/ External angle	3.00	Nos.		
c	Changeable flat angle	4.00	Nos.		
d	Flat Junction	1.00	Nos.		
5	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	20.00	Mtr.		
6	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	15.00	Mtr.		
7	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	End cap	4.00	Nos.		
b	Internal angle.	3.00	Nos.		
c	External angle	1.00	Nos.		
d	Flat Junction	1.00	Nos.		
e	Changeable flat angle	2.00	Nos.		
f	Separation partitions	15.00	Mtr.		
g	cover joint	2.00	Nos.		
h	Base joint	10.00	Nos.		
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	8 Way, double door	1.00	Nos.		
9	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)				
a	8 way ( 4 + 24 ), Double door	1.00	Nos.		
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	Single Pole ( 5 Amp to 32 Amp )	32.00	Nos.		
b	Double Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
c	Four Pole ( 40 Amp to 63 Amp )	1.00	Nos.		
11	Supplying and fixing following of size/modules, GI box along with modular base & cover plate for modular switches in recess etc as reqd.				
a	6 module (200mm x 75mm)	1.00	Nos.		
b	12 module (200mm x 150mm)	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
12	S/F, connecting, testing and commissioning 2 x 20 watt LED tube fitting surface mounting/ceiling suspended luminaires suitable mounting rail for T-LED lamps with 2 No. 20 watt T- LED lamps (Polycarbonate) and connection etc.as reqd.	4.00	Nos.		
13	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	24.00	Nos.		
b	15/16 amps switch	20.00	Nos.		
c	3 pin 5/6 amps socket outlet	16.00	Nos.		
d	6 pin 15/16 amps socket outlet	20.00	Nos.		
e	Blanking Plate	2.00	Nos.		
14	Supplying and fixing following Modular GI/plastic base & cover plate on existing modular metal boxes/DLP plastic trunking etc. as required.				
a	3 Module	8.00	Nos.		
b	6 Module	14.00	Nos.		
15	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	4.00	Nos.		
16	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.	100.00	Mtr.		
17	S & F of 400 mm sweep AC 230/250 volts, 50 HZ wall mounting revolving fan with brackets etc. complete	2.00	Nos.		
18	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.	15.00	Mtr.		
19	Dismantling damaged DB/TPN Switches/ loose wire boxes/ M.S. boxes alongwith all accessories and depositing the same in the store as reqd.	10.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
20	Dismantling & refixing DB/TPN Switches upto 100A/ loose wire boxes/ M.S. boxes alongwith all accessories etc as reqd.	4.00	Nos.		
21	Dismantling of ceiling fan / rally fan / all type fitting without regulator I/c depositing in store etc as reqd.	6.00	Nos.		
	<b>Part-B</b>				
1	Supplying, installation DLP mini- trunking 32mm x 12.5mm and accessories white-system with independent cover- without central partion etc. as reqd.	45.00	Mtr.		
2	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 12.5 mm				
a	End cap	3.00	Nos.		
b	Internal angle/ External angle	4.00	Nos.		
c	Changeable flat angle	6.00	Nos.		
d	Flat Junction	1.00	Nos.		
3	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.	20.00	Mtr.		
4	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a	End cap	2.00	Nos.		
b	Internal angle/ External angle	4.00	Nos.		
c	Changeable flat angle	6.00	Nos.		
d	Flat Junction	1.00	Nos.		
5	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	8.00	Mtr.		
6	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	8.00	Mtr.		
7	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b	Internal angle.	2.00	Nos.		
c	External angle	1.00	Nos.		
d	Changeable flat angle	1.00	Nos.		
e	cover joint	4.00	Nos.		
f	Base joint	8.00	Nos.		
8	S & F of following size of steel flexible pipe alongwith the accessories on surface etc as required.				
a	20 mm	1.00	Mtr.		
b	25 mm	10.00	Mtr.		
9	S/F, connecting, testing and commissioning 18 watt LED recess mounted luminaires with diffuser suitable for 300 mm X 300 mm moduler ceiling/POP/Gypsem ceiling etc.as reqd.	7.00	Nos.		
10	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminaires with diffuser suitable for 600 mm X 600 mm moduler POP/Gypsem ceiling etc.as reqd.	8.00	Nos.		
11	Fixing, Internet Box of size 75mm x 75mm x 40 mm including brass screw on surface / recessed as reqd.	14.00	Nos.		
12	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.	570.00	Mtr.		
13	Dismantling of ceiling fan / rally fan / all type fitting without regulator l/c depositing in store etc as reqd.	15.00	Nos.		
	<b>Total Rs. (Part-A + Part-B)</b>				