

## QUOTATION

**Name of work:** Electrical maintenance work at Doms- 109, 103, FB-560, Samtel Center SCDT/reception, ACES-114, L Hall- L1- L7, NL-1 New Comp. room etc. Academic area as per enclosed pingala requested by User with all allied works as required in the campus at IIT Kanpur.

S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
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	2.00	Point	783.87	1567.73
2	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a)	3 x 1.5 sq. mm	30.00	Metre	83.30	2498.90
b)	3 x 2.5 sq. mm	5.00	Metre	120.12	600.61
c)	3 x 4 sq. mm	115.00	Metre	180.62	20771.59
d)	6 x 6 sq. mm	5.00	Metre	524.33	2621.66
e)	3 x 10 sq.mm.	3.00	Mtr	416.48	1249.45
f)	6 x 16 sq.mm.	5.00	Meter	1221.39	6106.97
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	5/6 A switch	5.00	No.	90.31	451.56
b)	15/16 A switch	10.00	No.	136.78	1367.82
c)	3 pin 5/6 A socket outlet	3.00	No.	106.97	320.91
d)	6 pin 15/16 A socket outlet	10.00	No.	172.73	1727.31
e)	Blanking Plate	3.00	No.	35.07	105.22
f)	two module stepped type fan regulator	1.00	No.	323.54	323.54
g)	Telephone socket outlet	1.00	No.	129.77	129.77
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
a)	3 Module (100mmX75mm)	1.00	No.	286.72	286.72
b)	4 Module (125mmX75mm)	1.00	No.	300.75	300.75
c)	6 Module (200mmX75mm)	3.00	No.	352.48	1057.43
d)	8 Module (125mmX125mm)	1.00	No.	398.07	398.07
e)	12 Module (200mmX150mm)	1.00	No.	479.61	479.61
5	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
a)	3 Module	2.00	No.	132.40	264.80
b)	6 Module	1.00	No.	159.58	159.58
c)	8 Module	1.00	No.	185.01	185.01
d)	12 Module	1.00	No.	238.49	238.49
6	Supplying and fixing following size/ modules, plastic box for modular switches in recess etc as required.				
a)	3 Module	2.00	Nos.	289.35	578.69

S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
b)	6 Module	1.00	Nos.	327.93	327.93
c)	8 Module	1.00	Nos.	344.59	344.59
d)	12 Module	1.00	Nos.	630.43	630.43
7	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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)	16 way, (2 + 16) Double door	1.00	No.	2754.06	2754.06
8	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.)				
a)	12 way (4 + 36), Double door	1.00	No.	11252.08	11252.08
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.				
a)	Single pole 5 A to 32 A	20.00	Nos.	224.46	4489.26
b)	Single pole and neutral 5 A to 32 A	1.00	No.	525.21	525.21
c)	Triple pole 5 A to 32 A	1.00	Nos.	882.95	882.95
d)	Triple pole and neutral 5 A to 32 A	1.00	Nos.	1076.72	1076.72
e)	Single Pole (40A-63A)	1.00	Nos.	456.82	456.82
f)	Triple pole (40A-63A)	1.00	Nos.	1380.10	1380.10
g)	Four Pole (40A-63A)	1.00	Nos.	1711.53	1711.53
h)	single pole blanking plate	1.00	No.	11.40	11.40
10	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	63 A	1.00	No.	2386.67	2386.67
11	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	1.00	No.	1421.31	1421.31
12	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	10.00	Metre	36.83	368.26



S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
13	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	1.00	Nos	2393.69	2393.69
14	Supply and fixing of 32 x 20 mm DLP mini-trunking white-system with independent cover etc. as required complete.	55.00	Mtr	191.14	10512.93
15	Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system.				
a)	End cap	12.00	Nos.	125.38	1504.60
b)	internal / external angle	8.00	Nos.	119.25	953.97
c)	changeable flat angle	4.00	Nos.	100.83	403.33
d)	flat junction	2.00	Nos.	119.25	238.49
16	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partition etc. as required complete.	5.00	Mtr	770.71	3853.57
17	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				
a)	85 mm flexible cover	5.00	Mtr	339.32	1696.62
b)	End cap	2.00	Nos.	156.95	313.90
c)	Internal angles- adjustable from 80°-100°	1.00	Nos.	427.01	427.01
d)	external angles- adjustable from 60°-120°	1.00	Nos.	452.43	452.43
e)	flat junction	1.00	Nos.	753.18	753.18
f)	flat angles	1.00	Nos.	608.51	608.51
g)	separation partitions	1.00	Mtr	201.67	201.67
h)	Joints for 85mm width cover	1.00	Nos.	170.98	170.98
i)	base joints	2.00	Nos.	75.41	150.81
18	S & F following size of steel flexible pipe along with the accessories on surface etc as required				
a)	25 mm	1.00	Mtr	72.78	72.78
b)	32 mm	1.00	Mtr	84.17	84.17
19	S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.	2.00	Nos.	885.58	1771.15
20	Supply, installation, testing and commissioning of following LED lamp in existing fitting as required complete.				
a)	20 watt ESENTIAL PHILIPS or equivalent Tube in place of 36/40 W FL tube	5.00	Nos.	314.77	1573.87


S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
21	Supply and fixing testing and commissioning of 10 watt LED bulkhead fixture with Electronic driver, lamp, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete.(eq. To Crompton cat. no. LBHE-10-CDL	1.00	Nos.	1261.73	1261.73
22	Supply and fixing of following LED light fixture with efficiency >100 lumen/ watt, P.F. >0.95, THD<10%, Electronic driver, LED lamp, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete.				
a)	1 X 20W Box type LED tube with fitting	1.00	Nos.	832.97	832.97
b)	2 X 20W Box type LED tube with fitting	1.00	Nos.	1175.80	1175.80
c)	12 watt recess mounting LED light fixture	3.00	Nos.	847.00	2540.99
d)	12 watt surface mounting LED light fixture	4.00	Nos.	847.00	3387.99
e)	18 watt recess 300 x 300 mm /round mounting LED light fixture	5.00	Nos.	1116.18	5580.89
f)	18 watt surface mounting 300 x 300 mm /round LED light fixture	1.00	Nos.	1116.18	1116.18
g)	36 watt recess mounting LED light fixture 600 x 600 mm	4.00	Nos.	2568.17	10272.69
h)	36 watt surface mounting LED light fixture 600 x600 mm	1.00	Nos.	3091.63	3091.63
i)	36 watt recess mounting LED light fixture 300 x 1200 mm	1.00	Nos.	4571.68	4571.68
j)	36 watt surface mounting LED light fixture 300 x 1200 mm	1.00	Nos.	3526.52	3526.52
k)	20 watt batten type LED light fixture	1.00	Nos.	555.90	555.90
23	Supply, Installation testing and commissioning of following seep, copper wound, 900 RPM, 220 volt AC, 50 Hz exhaust fan in the existing opening etc as required complete.				
a)	375 mm / 15" sweep	1.00	Nos.	5285.40	5285.40
b)	450 mm / 18" sweep	1.00	Nos.	6753.18	6753.18
24	Supplying and fixing exhaust fan shutter for following sizes exhaust fan on rag bolts as reqd complete.				
a)	for 300 mm / 12" sweep	1.00	Nos.	810.17	810.17
b)	for 375 mm / 15" sweep	1.00	Nos.	904.87	904.87
c)	for 450 mm / 18" sweep	1.00	Nos.	998.68	998.68
25	Supply and installation of 400mm sweep AC 230/250 volts, 50 Hz wall mounting revolving fan with brackets etc complete.	1.00	Nos.	2554.14	2554.14
26	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	1.00	Nos.	1686.10	1686.10
27	Fixing of RJ-45 modular box with cover plate or I/o box for internet on surface/ recessed cutting the wall making good the same as required. ( box and cover plate will be supplied by dept.)	1.00	Nos.	86.80	86.80



S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
28	Laying UTP cable enhanced cat 5/cat 6 cable in existing steel conduit pipe/GI pipe/ raceway / RCC pipe as reqd. the cost shall also include numbering of networking wire from room to rack as reqd. (wire will be supplied by dept)	30.00	Mtr	20.17	605.00
29	S&F, Copper tube / reducer/ lug terminals suitable for following size of conductor.				
a)	6 /10/16 Sq.mm.	12.00	Nos.	30.69	368.26
30	Extra for cutting and drilling hole in down rod of 15mm dia GI pipe for ceiling fan etc. as required complete.	1.00	Nos.	79.79	79.79
31	Supplying, fixing, painting of 15mm dia GI heavy class pipe down rod for ceiling fan etc as required complete.	2.00	Mtr	239.37	478.74
32	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	5.00	Nos.	103.46	517.32
33	Supplying and fixing following modular switch/ socket on the existing clip-on frame fixed on 85mm cover of 105 x 50 mm DLP plastic trunking including connections etc. as required complete.				
a)	6 A switch	8.00	No.	162.21	1297.68
b)	20 A switch	21.00	No.	277.07	5818.50
c)	6 A pin 2/3 pin socket outlet	8.00	No.	183.25	1466.02
d)	6/16 A 3 pin socket outlet	21.00	No.	350.72	7365.19
34	Supplying, installation of Clip-on frame with finishing plate for 85mm cover for DLP plastic trunking 105mm x 50mm etc. as reqd.				
a)	3 module	2.00	Nos.	248.14	496.27
b)	6 module	13.00	Nos.	323.54	4206.05
	Total Etimated Rs.				181642.26
	Say Rs.				181642.00
	Quoted percentage Above /Below				
	Quoted Amount Rs.				

Bidder Signature & Date

Bidder Seal

  
 TALLURI KESAVADAS  
 कनिष्ठ अभियंता (विद्युत)  
 Executive Engineer (Elect)  
 च.नि.वि. बा.प्रौ. संस्थान, कानपुर  
 I.W.D., I.I.T. Kanpur  
