

### QUOTATION

Name of work: Electrical maintenance work at SL-208C, WL- 212, ACES-316, NL 1 R 1150, FB- 334B, KD 101, 102 Classroom, JEE/ Gate R-101, 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	924.96	1849.93
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	35.00	Metre	98.29	3440.16
b)	3 x 2.5 sq. mm	20.00	Metre	141.74	2834.90
c)	3 x 4 sq. mm	50.00	Metre	213.13	10656.73
d)	6 x 6 sq. mm	10.00	Metre	618.71	6187.11
e)	3 x 10 sq.mm.	5.00	Mtr	491.45	2457.26
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	8.00	No.	106.57	852.54
b)	15/16 A switch	3.00	No.	161.40	484.21
c)	3 pin 5/6 A socket outlet	8.00	No.	126.23	1009.80
d)	6 pin 15/16 A socket outlet	2.00	No.	203.82	407.65
e)	Blanking Plate	1.00	No.	41.39	41.39
f)	two module stepped type fan regulator	1.00	No.	381.78	381.78
4	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
a)	3 Module	5.00	No.	156.23	781.15
b)	6 Module	1.00	No.	188.30	188.30
c)	8 Module	1.00	No.	218.31	218.31
d)	12 Module	1.00	No.	281.42	281.42
5	Supplying and fixing following size/ modules, plastic box for modular switches in recess etc as required.				
a)	3 Module	4.00	Nos.	341.43	1365.72
b)	6 Module	1.00	Nos.	386.95	386.95
c)	8 Module	1.00	Nos.	406.61	406.61
d)	12 Module	1.00	Nos.	743.90	743.90
6	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	2.00	Nos.	264.87	529.73
b)	Single pole and neutral 5 A to 32 A	1.00	No.	619.75	619.75
c)	Triple pole 5 A to 32 A	1.00	Nos.	1041.88	1041.88
d)	Triple pole and neutral 5 A to 32 A	1.00	Nos.	1270.53	1270.53
e)	single pole blanking plate	2.00	No.	13.45	26.90

S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
7	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 out let and complete with connections, testing and commissioning etc. as required.	1.00	No.	1677.14	1677.14
8	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	2824.55	2824.55
9	Supply and fixing of 32 x 20 mm DLP mini- trunking white-system with independent cover etc. as required complete.	55.00	Mtr	225.55	12405.26
10	Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system.				
a)	End cap	14.00	Nos.	147.95	2071.34
b)	internal / external angle	17.00	Nos.	140.71	2392.07
c)	changeable flat angle	5.00	Nos.	118.98	594.91
d)	flat junction	2.00	Nos.	140.71	281.42
11	Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partition etc. as required complete.	2.00	Mtr	909.44	1818.89
12	Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.				
a)	85 mm flexible cover	2.00	Mtr	400.40	800.81
b)	End cap	2.00	Nos.	185.20	370.40
c)	Internal angles- adjustable from 80°-100°	1.00	Nos.	503.87	503.87
d)	external angles- adjustable from 60°-120°	1.00	Nos.	533.87	533.87
e)	flat junction	1.00	Nos.	888.75	888.75
f)	flat angles	1.00	Nos.	718.04	718.04
g)	separation partitions	1.00	Mtr	237.97	237.97
h)	Joints for 85mm width cover	1.00	Nos.	201.75	201.75
i)	base joints	1.00	Nos.	88.98	88.98
13	S & F following size of steel flexible pipe along with the accessories on surface etc as required				
a)	25 mm	1.00	Mtr	85.87	85.87
b)	32 mm	2.00	Mtr	99.32	198.65
14	S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.	1.00	Nos.	1044.98	1044.98
15	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	15.00	Nos.	371.43	5571.50
16	Supply and fixing testing and commissioning of 1X10 watt LED mirror light fixture with Electronic driver, lamp, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete.(eq. To Cropmton cat. no.LCTLN-10-CDL).	3.00	Nos.	547.32	1641.96



S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
17	Supplying, fixing, connecting & commissioning of Black board light fitting 1x36w i/c suitable arrangement of fixing etc. as reqd.	1.00	Nos.	3652.26	3652.26
18	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.	982.90	982.90
b)	2 X 20W Box type LED tube with fitting	1.00	Nos.	1387.44	1387.44
c)	6 to 12 watt recess mounting LED light fixture	8.00	Nos.	999.46	7995.65
d)	12 watt surface mounting LED light fixture	8.00	Nos.	999.46	7995.65
e)	18 watt recess 300 x 300 mm /round mounting LED light fixture	1.00	Nos.	1317.09	1317.09
f)	18 watt surface mounting 300 x 300 mm /round LED light fixture	2.00	Nos.	1317.09	2634.18
g)	36 watt recess mounting LED light fixture 600 x 600 mm	10.00	Nos.	3030.44	30304.43
h)	36 watt surface mounting LED light fixture 600 x600 mm	1.00	Nos.	3648.12	3648.12
i)	36 watt recess mounting LED light fixture 300 x 1200 mm	2.00	Nos.	5394.58	10789.16
j)	36 watt surface mounting LED light fixture 300 x 1200 mm	1.00	Nos.	4161.30	4161.30
19	Supplying and fixing, following LED street light luminaries with pressure die cast aluminium IP65 housing, driver etc. complete with all accessories as required.				
a)	25 Watt LED street light luminaries	1.00	Nos.	2412.77	2412.77
20	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)	300 mm / 12" sweep	1.00	Nos.	5149.37	5149.37
b)	375 mm / 15" sweep	1.00	Nos.	6236.77	6236.77
c)	450 mm / 18" sweep	2.00	Nos.	7968.75	15937.50
21	Supplying and fixing exhaust fan shutter for following sizes exhaust fan on rag bolts as reqd complete.				
a)	for 375 mm / 15" sweep	1.00	Nos.	1067.74	1067.74
b)	for 450 mm / 18" sweep	3.00	Nos.	1178.45	3535.34
22	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.	1989.60	1989.60
23	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.	102.43	102.43
24	Laying UTP cable enhanced cat 5/cat 6 1/2/3 run 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)	20.00	Mtr	23.80	475.93
25	S&F, Copper tube / reducer/ lug terminals suitable for following size of conductor.				
a)	6 /10/16 Sq.mm.	12.00	Nos.	36.21	434.55


S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
26	Supplying and fixing stiff pendent with 300 mm long, 20 mm dia X 1.6 mm thick steel conduit, aluminium cast back plate and brass holder complete, including wiring the down rod with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and painting etc. as required.	1.00	No.	314.53	314.53
27	Extra for cutting and drilling hole in down rod of 15mm dia GI pipe for ceiling fan etc. as required complete.	1.00	Nos.	94.15	94.15
28	Supplying, fixing, painting of 15mm dia GI heavy class pipe down rod for ceiling fan etc as required complete.	2.00	Mtr	282.46	564.91
29	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.	122.09	610.43
30	Supplying & fixing 3mm (1/8") thick phenolic laminated sheet on existing board with screw & washer etc. as required.	50.00	Sq.cm.	0.93	46.56
31	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	2.00	Nos.	460.41	920.82
32	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	4.00	No.	191.41	765.63
b)	20 A switch	1.00	No.	326.94	326.94
c)	6 A pin 2/3 pin socket outlet	4.00	No.	216.24	864.95
d)	6/16 A 3 pin socket outlet	1.00	No.	413.85	413.85
33	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	1.00	Nos.	292.80	292.80
b)	6 module	2.00	Nos.	381.78	763.56
34	Dismantling, & Refixing of fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc from abnormal hight above 15' to 35' as reqd.	1.00	Nos.	606.30	606.30
35	Supplying, installation, testing & commissioning of smoke detector with builtin LED and mounting base complete with all connections etc. as required.	1.00	No.	1192.93	1192.93
36	Supplying, installation, testing & commissioning of manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required.	1.00	No.	490.42	490.42
37	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & ERLS outer sheath complete as required.	2.00	Metre	178.99	357.98
38	Supplying and laying chequered plate in cut pcs of 6mm thick with handle cutting/ welding including painting in black colour after two under coats of red oxide primer as required complete.	0.50	Metre	5038.67	2519.33



S. No.	Description	Qty.	Unit	Rate	Amount (Rs.)
39	Supplying and laying of one no. 3.5 x 25.0 sqmm PVC insulated, XLPE steel armoured aluminium conductor power cable of grade 1.1 kV as required complete in following manners.				
a)	in open duct	5.00	Meter	220.38	1101.89
b)	On Surface	20.00	Meter	249.35	4986.94
40	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.	42.00	Metre	43.45	1825.09
41	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 required.				
a)	25 mm	0.50	Metre	264.87	132.43
	Total Estimated Rs				206820.22
	Say Rs. (i/c GST)				206820.00
	Quoted percentage Above /below				
	Quoted Amount Rs.(i/c GST)				

Bidder Signature & Date

Bidder Seal

  
 30/09/20  
 TALLURI KESAVARAO  
 Executive Engineer  
 N.P.O. H.O. Water  
 T.W.D., I.I.T. Road  
 Deccan