

## Estimate

Name of work:Electrical wiring works for newly allotted space for Smart lab, Microscience lab,Multifunctional material Lab of physics at new academic building at NIT Silchar

Time of completion:45days

	<b>ELECTRICAL</b>				
SI no	Item description	Unit	Qty.	Rate in Rs and in words	Amount in Rs
1	POINT WIRING				
	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed with flat ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt., with modular switch, modular plate, suitable GI/PVC box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required. complete as directed by the department.				
a.	Group A	Point	3.00		
b.	Group B	Point	10.00		
c.	Group C	Point	3.00		
	CRICUIT SUB MAIN WIRING				
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed with flat ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.t as required complete as directed by the department.				
a.	2 x 2.5 sq. mm. + 1 X 2.5sqmm for earthing	mts	55.00		
b.	2 x 4 sq. mm. + 1 X 4 sqmm for earthing	mts	370.00		
c.	4 x 6sq. mm. + 2 X 4 sq.mm for earthing	mts	62.00		
d.	4 x 16 sq. mm. + 2 X 6 sq.mm for earthing	mts	438.00		
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	Each	70.00		
b.	5/6 A socket	Each	70.00		
c.	15/16 A switch	Each	35.00		
d.	15/16 A socket	Each	35.00		
	LIGHT FIXTURES & FANS INSTALLATION				
4	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	No.	10.00		
5	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450 mm sweep	No.	2.00		
	DISTRIBUTIONBOARDS				
6	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 32amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	Each	23.00		
7	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	No.	3.00		
b.	8 way	No.	3.00		
c.	12 way	No.	3.00		
8	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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) 4 way(4+18), double door	No.	3.00		

9	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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	No.	54.00		
b.	Triple pole and neutral	No.	6.00		
10	Supply of following size LED lights complete with all accessories as required. 20 watt Surface LED tube light complete all accessories.	Each	10		
11	Supply of following sizes of single phase 240 volts , <b>exhaust fan</b> complete with including all accessories as required. 300mm dia, 900 RPM.	Each	2		
12	Supplying and fixing of following rating, 240/415 volts, "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.	63 amps TPN	Each	6.00		
b.	100 Amps TPN	Each	6.00		
13	Supply including installation, testing and commissioning of wall fan(400 mm) complete with all accessories directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	3		
14	Supplying and fixing 9 module PVC board with modular plate and cover in front on surface including connections etc as required	Each	35		

Total Rs.

(Rupees .....)

Signature of the agency