

Schedule of Rate

Name of work:Electrical Renovation work at Boys Hostel no 2 at NIT Silchar

Time of completion:60 days

ELECTRICAL					
SI no	Item description	Unit	Qty.	Rate in Rs and in words	Amount in Rs and in words
1	POINT WIRING (IN PVC CONDUIT)				
	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 medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
a.	Group A	Each	163.00		
b.	Group B	Each	206.00		
c.	Group C	Each	183.00		
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit, 2 way piano type switch,phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required	point	8.00		

SI no	Item description	Unit	Qty.	Rate in Rs and in words	Amount in Rs and in words
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as				
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Mtr	40.00		
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	580.00		
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Mtr	150.00		
	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Mtr	350.00		
4	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
	5/6 A switch	Each	848.00		
	2 way 5/6 A switch	Each	8.00		
	15/16 A switch	Each	10.00		
	3 pin 5/6 A socket outlet	Each	248.00		
	6 pin 15/16 A socket outlet	Each	10.00		
5	Supplying and fixing two module stepped type electronic fan regulator on the existing switch box including connections . as required.	Each	160.00		

SI no	Item description	Unit	Qty.	Rate in Rs and in words	Amount in Rs and in words
6	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	400.00		
7	Supplying and fixing brass batten/ angle holder including connections etc. as required.	Each	200.00		
8	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 Nos. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connections with 1.5 sq. mm FRLS PVC sulated, copper conductor, single core cable and earthing etc. as required	Each	600.00		
9	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required Upto 450 mm sweep	Each	15.00		
10	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)	Each			
	8 way, Double door	Each	1.00		

SI no	Item description	Unit	Qty.	Rate in Rs and in words	Amount in Rs and in words
14	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				
	Single pole	Each	160.00		
	Single pole and neutral	Each	10.00		
	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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) 4	Each	13.00		
	NON DSR rates				
20	Supply of following size LED lights complete with all accessories as required.				
a	18/20 watt Surface LED tube light complete all accessories.	Each	400		
	9 watt Surface LED bulb complete all accessories.	Each	200		
21	Supplying of 2.5 mfd capacitor including connection in the existing ceiling fan complete	Each	180		
22	Supply of following sizes of single phase 240 volts heavy duty exhaust fan complete with including all accessories as required. 450mm dia. 1400 RPM.	Each	18		

SI no	Item description	Unit	Qty.	Rate in Rs and in words	Amount in Rs and in words
31	Supplying with fitting and fixing 4P 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.C Series (ABB, Schneider MG, legrand, Hager make)100 Amps	Each	13		

Total Rs

Rupeesonly

Name of work:Electrical Renovation work at teachers flat at NIT Silchar

Sl no	DSR 16 NO	Item description	Unit	Qty.	Rate in Rs	Amount in Rs
		ELECTRICAL				
1	1.08	POINT WIRING (IN PVC CONDUIT)				
		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 medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Each			
a.		Group A		42.00	504.00	21168.00
b.		Group B		24.00	571.00	13704.00
c.		Group C		27.00	714.00	19278.00
2	1.09	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit, 2 way piano type switch,phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required	point	8.00	719.00	5752.00
3	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				0.00
		2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire		120.00	112.00	13440.00
		2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire		240.00	137.00	32880.00
		2 X 4 sq. mm + 1 X 4 sq. mm earth wire		110.00	168.00	18480.00
		2 X 10 sq. mm + 1 X 6 sq. mm earth wire		140.00	299.00	41860.00
		4 X 10 sq. mm + 2 X 6 sq. mm earth wire		100.00	536.00	53600.00
		4 X 16 sq. mm + 2 X 6 sq. mm earth wire		80.00	733.00	58640.00
	1.23	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				0.00
		5/6 A switch		125.00	34.00	4250.00
		2 way 5/6 A switch		8.00	39.00	312.00
		15/16 A switch		36.00	75.00	2700.00
		3 pin 5/6 A socket outlet		24.00	42.00	1008.00
		6 pin 15/16 A socket outlet		36.00	86.00	3096.00
	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
		5/6 A switch		36.00	84.00	
		15/16 A switch		36.00	114.00	
		3 pin 5/6 A socket outlet		36.00	81.00	
		6 pin 15/16 A socket outlet		36.00	153.00	
	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing switch box including connections . as required.		72.00	288.00	20736.00
	1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.		100.00	46.00	4600.00
	1.34	Supplying and fixing brass batter/ angle holder including connections etc. as required.		100.00	75.00	7500.00
	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.		12	61.00	732.00

1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 Nos. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.		170.00	247.00	41990.00
1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.		30.00	132.00	3960.00
1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required Upto 450 mm sweep		12.00	224.00	2688.00
2.3	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/PCCB/Isolator)				0.00
	6 way, Double door		12.00	942.00	11304.00
	8 way, Double door		3.00	1061.00	3183.00
2.10	Supplying and fixing 5 A to 32 A 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				0.00
	Single pole		108.00	173.00	18684.00
	Single pole and neutral		12.00	445.00	5340.00
5.1	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required		2.00	2846.00	5692.00
5.18	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.		150.00	23.00	3450.00
6.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.		2.00	304.00	608.00
6.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or on surface of wall for lightning conductor complete as required. (For horizontal run)		150.00	66.00	9900.00
6.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or on surface of wall for lightning conductor complete as required. (For vertical run)		20.00	100.00	2000.00
	NON DSR rates				
1	Supply of following size LED lights complete with all accessories as required.				
a	18/20 watt Surface LED tube light complete all accessories.	Each	170	546.00	92820.00
c	100 watt LED flood light.	Each	10	11267.00	112670.00
2	Supplying of 2.5 mfd capacitor including connection in the existing ceiling fan complete	Each	170	110.00	18700.00

3		Supply of following sizes of single phase 240 volts heavy duty exhaust fan complete with including all accessories as required. 450mm dia, 1400 RPM.	Each	12	7550.00	90600.00
5		Installation, testing and commissioning of pre-wired, LED flood lights complete with all accessories at a height of 10-15 meter from ground . directly on wall, including connection with 2.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	10	1567.00	15670.00
6		Supplying and fitting fixing of ABC Contactor of L&T,Havells,HPL or equivalent make in the existing DB including necessary connection cable, as approved by the Deptt.)etc. as required complete and as directed by the Department.	Each	1	3657.00	3657.00
7		Supplying and fitting fixing of Timer watch of Legrand, Siemens ,GE or equivalent make in the existing DB including necessary connection cable, as approved by the Deptt.)etc. as required complete and as directed by the Department.	Each	1	3474.00	3474.00
		Supplying including fitting and fixing busbar chamber(HPL/GECO/OR EQUIVALENT MAKE)WITH 4 STRIPS BUS BAR OF LENGTH 350/450/600/900 mm made of aluminium alloy or wrought aluminium suitable for 100 amps capacity complete with all accessories including connection etc as required complete	Each	3	4191.00	12573.00
		Supply and laying of following size PVC/XLPE insulated and PVC sheathed 1.1 KV G Solid Aluminium conductor up to 10 sq mm balance stranded conductor, XLPE Insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strip, Galvanised for cables up to 2x10 sq mm.3x10 sq mm,4x6 sq mm balance all galvanised steel strip) , extruded PVC Type ST2 sheathed, 650/1100V grade as per IS 7908(Part 1) 1988 armoured U.G. cable U.G. cable laid in ground/partially in air (as required for termination over ground including excavation of cable trench up to depth of 75cm, refilling, protective brick covering, Sand cushioning etc complete handling of surplus spoil, debris et to proper place as specified and directed by the deptt. (Nicco/ Havells/ RPG/CCI/Polycab/Gloster/ Finolex make) .				
		25.00 Sq. mm.3 & 1/2 Core armoured U.G. cable	Metre	60	468	28080.00
		Supplying including and fitting fixing of following moulded PVC boxes for Model Range Legrandand,Anchor,MK ,Schneider in surface system complete as per direction of department 6 Module	Each	36	180	6480.00
		Supplying including and fitting fixing of following front plate of suitable colour for Model Range Legrandand,Anchor,MK ,Schneider in surface system complete as per direction of department 6 Module	Each	36	173	6228.00

823487.00

125

142.5 109.5

131

M:

Name of work: Supplying installation testing and commissioning of L.T.

sl no	Description of item	unit
1	Supply of following size LED lights complete with all accessories as required.	Each
	18/20 watt Surface LED tube light complete all accessories.	
2	Supply of following size LED lights complete with all accessories as required.	Each
	9/10 watt Surface LED tube light complete all accessories.	
2	Supply of following size LED lights complete with all accessories as required.	Each
	100 watt LED flood light complete all accessories.	
3	Supply of following sizes of ceiling fan without regulator complete with double ball bearing, etc. complete as required. Size 1200mm.	Each
4	Supply of following sizes of single phase 240 volts heavy duty exhaust fan complete with including all accessories as required. 450mm dia, 1400 RPM.	Each
3	Supplying and fitting fixing of Electric storage water heater [Geyser] of Bajaj/Crompton/Racold/V. Guard or equivalent make including necessary connection cable, as approved by the Deptt.)etc. as required complete and as	Each

	directed by the Department. Vertical, 100 litre capacity 5 star model (Bajaj/crompton/Racold/V guard or equivalent	
4	Installation, testing and commissioning of pre-wired, LED flood lights complete with all accessories at a height of 10-15 meter from ground . directly on wall, including connection with 2.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each
4	Supplying and fitting fixing of ABC Contactor of L&T, Havells, HPL or equivalent make in the existing DB including necessary connection cable, as approved by the Deptt.)etc. as required complete and as directed by the Department. 40 Amps	Each
4	Supplying and fitting fixing of Timer watch of Legrand, Siemens ,GE or equivalent make in the existing DB including necessary connection cable, as approved by the Deptt.)etc. as required complete and as directed by the Department.	Each

arket Rate Analysis

Diesel Gen set at New academic building at NIT silchar

Content	Rate/unit	Qty	Amount
1)Basic ratte of material including GST	470.00		
2)cartage of materials @1% on (1)	4.7		
3)Labour charge@0%(LS) on 1	0		
4)Subtotal	474.70		
Profit and over head @15% on(4)	71.205		
Grand total	545.905	1	546.00
1)Basic ratte of material including GST	390.00		
2)cartage of materials @1% on (1)	3.9		
3)Labour charge@0%(LS) on 1	0		
4)Subtotal	393.90		
Profit and over head @15% on(4)	59.085		
Grand total	452.985	1	453.00
1)Basic ratte of material including GST	9700.00		
2)cartage of materials @1% on (1)	97		
3)Labour charge@0%(LS) on 1	0		
4)Subtotal	9797.00		
Profit and over head @15% on(4)	1469.55		
Grand total	11266.55	1	11267.00
1)Basic ratte of material including GST	2000.00		
2)cartage of materials @1% on (1)	20		
3)Labour charge@0%(LS) on 1	0		
4)Subtotal	2020.00		
Profit and over head @15% on(4)	303		
Grand total	2323	1	2323.00
1)Basic ratte of material including GST	6500.00		
2)cartage of materials @1% on (1)	65		
3)Labour charge@0%(LS) on 1	0		
4)Subtotal	6565.00		
Profit and over head @15% on(4)	984.75		
Grand total	7549.75	1	7550.00
1)Basic rate of material like including screw including GST for 5 nos	146300.00		
2)cartage of materials @1% on (1)	1463		
3)Labour charge@ 370 for khallasi -1 nos and 522 for wireman-1	892		
4)Subtotal	148655.00		

Profit and over head @15% on(4)	22298.25		
Grand total for 5 nos	170953.25		
Grand total for each	34190.65	1	34190.65
1)Basic rate of material like 3 nos screw including GST	100.00		
2)cartage of materials @1% on (1)	1		
3)Labour charge@ 370 for khallasi -2 nos and 522 for wireman-1	1262		
4)Subtotal	1363.00		
Profit and over head @15% on(4)	204.45		
Grand total	1567.45	1	1567.00
1)Basic ratte of material including GST	3000.00		
2)cartage of materials @1% on (1)	30		
3)Labour charge@5%(LS) on 1	150		
4)Subtotal	3180.00		
Profit and over head @15% on(4)	477		
Grand total	3657	1	3657.00
1)Basic ratte of material including GST	2850.00		
2)cartage of materials @1% on (1)	28.5		
3)Labour charge@5%(LS) on 1	142.5		
4)Subtotal	3021.00		
Profit and over head @15% on(4)	453.15		
Grand total	3474.15	1	3474.00

146300