

## BILL OF QUANTITY

**Estimate for Scheduled items for supplying & laying of power cable, Electrical Wiring and Accessories, for 06 units of boys hostel at IGIMS, Patna -14**

Sl.No.	DSR-14	Items	Qty.		Rate ₹	Total ₹
1	BSR096.14.12	Supplying and laying 120 Sq. Mm 3.5 core PVC/ XLPE insulated PVC Sheathed , heavy duty armoured electrical cable with aluminium conductor for working voltage up to and including 1100 volts. (Confirms to IS 1554 part I)	400	Metre	1447.00	578800.00
2	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a)	7.1.3	Above 95 sq. mm and upto 185 sq. mm	400.00	Metre	210.00	84,000.00
3		Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
a)	9.1.25	3½ X 120 sq. mm (45 mm)	2.00	Each	484.00	968.00
4	1.8.	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)	1.8.3	Group-C	142.00	Each	675.00	95,850.00
5	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	230.00	Metre	162.00	37,260.00
6	1.14	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required				
a)	1.14.1	2 x 1.5 sq.mm + 1 x 1.5 sq.mm earth wire	2739.51	Metre	106.00	290,388.06
b)	1.14.2	2 x 2.5 sq.mm + 1 x 2.5 sq.mm earth wire	390.00	Metre	131.00	51,090.00
c)	1.14.11	4 X 16 sq. mm + 2 X 16 sq. mm earth wire	309.00	Metre	883.00	272,847.00
7	1.29	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings).	72.00	Each	194.00	13,968.00
8	1.30	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	12.00	Each	276.00	3,312.00

9	2.4	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)				
a)	2.4.6	8 way (4 + 24), Double door	4.00	Each	3148.00	12,592.00
10	2.1	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)	2.10.1	Single Pole	96.00	Each	169.00	16,224.00
b)	2.10.5	Triple pole and neutral	4.00	Each	887.00	3,548.00
11	5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	4.00	Set	3926.00	15,704.00
12	5.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	120.00	Metre	35.00	4,200.00

13	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	80.00	Metre	109.00	8,720.00
14	BSR-09, 1.34	Supplying and fixing batten/angle holder including connection etc. as required.	21.00	Each	28.00	588.00
15	14.13	Providing, laying and fixing following dia. G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required				
a)	14.13.3	100 mm dia.	25.00	Metre	983.00	24,575.00
16	BSR-09, 6.8	Supply and fixing of HPSV street light luminarie with single dia cast aluminium housing and UV stabilized acrylic cover suitable for 250 watts HPSV lamp complete with all accessories including 250 watt lamp and connection etc as required.	8.00	Each	4482.00	35856.00
17	BSR-09	Supplying and fixing mounting rail/box type fitting complete with copper ballast 4' x 40 watt florescent lamp etc. directly on ceiling/wall, including connection with 1.5 sq mm FR PVC insulated copper conductor cable etc. as required.				
(a)	6.3.1	Single	86.00	Each	487.00	41,882.00
18	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	56.00	Each	95.00	5,320.00

		Total Rs	1,597,692.06
		Labour cess 1%	15,976.92
		Total Rs.	1,613,668.98