

BILL OF QUANTITY

Estimate for Schedule items for Balance Electrical Work in 3rd floor of polyclinic Block at,
I.G.I.M.S. Patna.

SI.No.	DSR-14	Item	Qty.	Unit	Rate ₹	Total ₹
1	1.10	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 modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a)	1.10.3	Group -C	149.00	Point	718.00	106,982.00
2	1.11	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 modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	2.00	Point	770.00	1,540.00
3	1.13	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	311.00	Metre	275.00	85,525.00
4	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	364.20	Metre	106.00	38,605.20
b)	1.14.2	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	1157.05	Metre	131.00	151,573.55
c)	1.14.3	2 x 4 sq.mm. + 1x4 sq.mm. earth wire	775.00	Metre	162.00	125,550.00
d)	1.14.4	2 x 6 sq.mm + 1 x 6 sq.mm. earth wire	190.00	Metre	221.00	41,990.00
e)	1.14.11	4 x 16 sq.mm + 2 x 16 sq.mm earth wire	128.00	Metre	883.00	113,024.00
5	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	78.00	Each	303.00	23,634.00
6	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	43.00	Each	395.00	16,985.00

7	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	46.00	Each	284.00	13064.00
8	2.8	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)				
a)	2.8.7	8 way (4 + 24), Double door	4.00	Each	10405.00	41,620.00
9	2.10	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	120.00	Each	169.00	20,280.00
b)	2.10.5	Triple pole and neutral	5.00	Each	887.00	4,435.00
10	2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "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.	15.00	Each	954.00	14,310.00
11	1.33	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	45.00	Each	43.00	1,935.00
12	BSR-09, 1.34	Supplying and fixing batten/angle holder including connection etc. as required.	7.00	Each	28.00	196.00
13	1.44	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 etc. as required.	46.00	Each	95.00	4,370.00
14	1.41	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 FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	62.00	Each	91.00	5,642.00
15	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.	2.00	Each	3926.00	7,852.00

16	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)	30.00	Metre	109.00	3,270.00
17	5.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	70.00	Metre	27.00	1,890.00
18	7.7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
a)	7.7.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	25.00	Metre	81.00	Rs. 2,025.00
19	9.1	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 (45mm)	2.00	Each	484.00	Rs. 968.00
20	BSR-09, 6.14.10	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 volt, conforming to IS 1554 part I.	25.00	Metre	986.00	Rs. 24,650.00
Total schedule items ₹.						851,915.75