

## BILL OF QUANTITY

**ARM work (Electrical Side) of regional office, Panchdeep Bhawan Patna for the  
year – 2011-12**

**Estimated Cost Rs. 5,55,272.00**

Sl.No.	Description of items in brief	Qty	Unit	Rate in figure & word	Amount
1.	R/M of existing HP SV lamp including removing and fixing a. Change of bulb – 250w s/v b. Change of condensor 250w / 300w c. Change of choke d. Change of Ignitor e. Change of holder	4 Nos 5 Nos 4 Nos 5 Nos 2 Nos	No. No. No. No. No.		
2.	Wiring for light point / fan point exhaust fan point / call bell point with 1.5 sq. mm PVC insulated copper conductor single core cable in surface / recessed PVC conduct with piano type switch phenolic laminated switch suitable size MS box and earthing the point with 1.5 sqmm FR PVC insulated copper conductor single core cable etc as required Group A Group C	13 point 40 Point	Point Point		
3.	wiring for light / power plug with 2x 4 sq mm F.R PVC insulated copper conductor single core cable in surface / recessed PVC conduit along with 1 No. 4 sq mm F.R PVC insulated copper conductor single core cable for loop earthing as require.	240 M	M		
4.	Wiring for circuit/submain wiring along with earth wire with the following sizes of PVC insulated copper conductor single core cable in the surface / recessed PVC conduit as required a. 2x2.5 sqmm +1.25sqmm b. 2x4 sqmm + 1x4 sqmm earth wire for (staffquarter IV) c. 2x6 sqmm + 1x6 sqmm earth wire in distribution rooms	20 m. 30 m. 110 m.	M. M. M.		

	d. 4x10 sqmm + 2x10 sqmm for distribution room and near RD residence	40 m.	M.		
5.	Supplying & fixing of following sizes of PVC conduit along with accessories in surface / recessed including cutting the wall and making good the same in case of recessed conduit as required a. 20mm b. 25mm	120 m. 110 m.	M. M.		
6.	Supplying and fixing metal box of following sizes (nominal size) on surface or on in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required for sine boards 180x100x60 mm	5 Nos.	No		
7.	Supplying & fixing following piano type switch/socket on the existing switch box/cover including connection etc as required. a. 5/6A switch b. 2 way 5/6 A switch c. 15/16A Switch d. 3 Pin 5/6A socket e. 6 Pin 15/16A socket f. Telephone socket Outlet	75 Nos. 2 Nos. 40 Nos. 30 Nos. 50 Nos. 5 Nos.	No. No. No. No. No. No.		
8.	Supplying and fixing 3 pin 5A ceiling rose on the existing junction box/ wooden block including connection etc as required	50 Nos.	No.		
9.	Supplying and fixing brass batton/ angle holder including connection etc as required	30 Nos.	No.		
10.	Supplying & Fixing call bell/Buzzer suitable for DC/AC single faze 230v complete as required	5 Nos.	No.		
11.	Supply and fixing of starter for 36 w / 40 w FTL	70 Nos.	Nos.		
12.	Supply and fixing of FTL choke 36 w /40w for Tube light	70 Nos.	Nos.		
13.	Wiring for circuit submain wiring along with earth wire with the following size of PVC insulated copper conductor single core cable in surface / recessed PVC conduit as required (Ac wiring) 2x6 sqmm + 1x6 sqmm	60 m.	M		

14.	Supplying and drawing following sizes of F/R PVC insulated copper conductor single core cable in the existing surface /recessed steel/PVC conduit as required a. 2x1.5 sq.mm b. 3x1.5 sq.mm c. 2x2.5 sq.mm d. 3x2.5 sq.mm e. 2x6 sq.mm f. 3x6 sq.mm	50 m. 60 m. 50 m. 60 m. 60 m. 60 m.	M. M. M. M. M. M.		
15.	Supplying and fixing metal box of following sizes (nominal size) on surface or on in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required a. 200 mm.x 125 mm.x60mm deep b. 200 mm.x150 mm.x60 mm. deep c. 200 mm.x300 mm.x 100 mm deep	8 Nos. 6 Nos. 4 Nos.	No. No. No.		
16.	Supplying & fixing fluorescent fitting (box type ) with tube and accessories of 4 ft. (1200 mm.) long of 36w/40w Tube set make Philips/Bajaj	5 Set	Set		
17.	Supply of resistance type fan regulator branded make Usha /Bajaj/Khetan	50 Nos.	No.		
18.	Installation testing and commissions of resistance type ceiling fan regulator in existing switch box including connection with 1.5 sq.mm F.R PVC insulated copper conductor single core cable etc. as required	50 Nos.	No.		
19.	Servicing of Air-Conditioner/A.C. Machine maintenance including opening & fitting in good condition window type & split type of 1.5 ton	9 Nos.	No.		
20.	R.M of existing ceiling fan including removing & fixing a. Greasing of fan b. Change of Condensor c. Change of ball bearing d. Change of coil	50 Nos. 50 Nos. 10 Nos. 5 Nos.	No. No. No. No.		
21.	Supplying installation testing & commissioning of TPN Tap off box of following capacity in rising mains & complete with H.R.C fuse links inter connections earthing etc as required 63A TPN (Branded make) 100 A TPN (Branded make)	1 Nos. 3 Nos.	No. No.		
22.	Supplying & fixing 32aA/240V main switch D.B. SPN of branded make	20 Nos.	No.		

23.	Supplying and fixing following way single pole and neutral, sheet steel, M.C.B. distribution board consumer unit 240v , on surface/recess complete with tined copper bus- bar, neutral bus-bar, earth bar, din bar, hinged front acrylic cover for the M.C.B knobs, detachable gland plate, inter connections, phosphotized and power painted including earthing as required( But without M.C.B./RCCB isolator) for 2 <sup>nd</sup> & 3 <sup>rd</sup> Floor a. 2+4 way b. 2+8 way	2 Nos. 19 Nos.	Nos. Nos.		
24.	Supplying and fixing 5A – 32 A rating 240 v ‘B’ series M.C.B suitable for lighting & other load of following poles in the existing M.C.B DB complete with connection testing & commissioning etc as required a. Single pole b. Single pole & Neutral	124 Nos. 18 Nos.	No. No.		
25.	Supplying and fixing 5A – 32 A rating 240 v ‘C’ series M.C.B suitable for inductive load of following poles in the existing MCB Db complete with connection, testing and commissioning etc as required a. Single pole b. Single pole & Neutral	20 Nos. 3 Nos.	No. No.		
26.	Supply and fixing of energy meter single phae (1-20 A) for staff quarter Ro Building	1 Nos.	No.		
27.	Supply & fixing of wooden Board by laminated cover plate with appropriate wiring & connection to switches & sockets a. 10’’x14’’ size b. 8’’x12’’ size c. 5’’x4’’ size d. Wooden round block	2 Nos. 4 Nos. 20 Nos. 20 Nos.	No. No. No. No.		
28.	Wiring for circuit / submain wiring along with earth wire with the following size of PVC insulated copper conductor single core cable in surface / recessed PVC conduit as required a. 2x1.5sq. mm+1x1.5 sq. mm earth wire b. 2x2.5 sq.mm +1.2.5 sq. mm earth wire	30 m. 30 m.	M. M.		
29.	Grouting of GI pipe 50mm dia pole including excavation of PCC of pillar of compound an fixing the pipe with 1:2:4 PCC including the cost of GI pipe and its painting all complete	4 Nos.	No.		
30.	Supply and fixing glue sine slogan post top Board with fixing Bajaj Make CFL 18W complete	4 Nos.	No.		

31.	Supplying and drawing 2x1.5 sq. mm of FR PVC insulated copper conductor single core cable in the above GI pipe pole with connection to glue sine slogan post top Board 4 Nos.x 5 mt.	20 m.	M.		
32.	Supplying of 6mm. sq. double core armoured cable aluminum 2 core for glue sine slogan post top Board	30 m.	M.		
33.	Supplying and fixing MCB channel of 2'6" for fixing MCB of "B" series for glue sine slogan post top Board	1 Nos.	No.		
34.	Laying of one No. PVC insulated and PVC sheathered XLPE cable of 1.1 graded of size not exceeding 25 sq. mm in ground or as required including excavation etc. but excluding sand cushioning & protective covering	30 m.	M.		
35.	Earthing with G.I earth pipe 4.5m. Long 40 mm. dia. Including accessories providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal salt as required.	1 Set	Set		
36.	Extra for using salt charcoal for pipe earth electrode as required	1Set	Set		
37.	Supplying & laying 6 S.W.G. copper wire upm to pipe level for conductor earth electrode including soldering etc. & connection up to distribution room(Qty.-30 m.=6Kg.apr.)	6Kg.	Kg.		
38.	Supplying of T.C. fuse wire of different size	3Kg.	Kg.		
39.	Supply of rubber hand gloves of 11 KV branded make	1 Pair	Pair		
40.	Supply of insulated cutting plier 8" size of make "Taparia"	1 Nos.	No.		
41.	Supply of insulated screw driver of 12" size	1 Nos.	No.		
42.	Supplying & fixing matelec base Kit-kat for distribution transformer 200A 500V	3Nos.	No.		
43.	Supplyin & fixing of Neo D.P. fuse carrier 32A	3Nos.	No.		
44.	Supply of Bamboos ladder of 15"ft.	1Nos.	No.		
45.	Supply of wireman grade I/Electrician from 1.6.11 to 31.3.12	304Days	Day		
46.	Supply of Khalasi from 1.6.11 to 31.3.12	304Days	Day		
47.	Supply of cotton waste cleaning cloth etc	2Kg.	Kg.		

48.	Supplying & fixing of Kit-Kat fuse 63A	3Nos.	No.		
49.	For Unseen urgent items	LS	LS		

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Signature of contractor