

Name of Work: Providing LED Street light facility to Belpahar municipality.

Sl. No	Description	Unit	Qty	Rate (in Rs)	Amount (in Rs)
1	Erection of steel tubular or rail pole strut in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling and secured with holding clamps, bolts, nuts, etc. as required.	No	81		
2	Supplying and embedding following dia G.I. pipe (medium class) in pole collar/ foundation (during casting) for cable entry including bending the pipe to the required shape complete as required, pipe dia- 32mm, length- 2 meter.	Mtr	162		
3	Fixing of 32 mm dia X 2.00 meter long G.I. pipe (medium class) bracket for mounting of LED Street light fitting on pole including, LED street light fitting bending the pipe to the require shape, 2 nos 40 mm X 3 mm flat iron clamp with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	No	118		
4	Supplying and drawing of 3 C X 1.5 sq.mm size of FRLS PVC insulated copper conductor, cable in the existing surface/ recessed steel/PVC conduit as required.	Mtr	1100		
5	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal and salt as required	Set	4		
6	Supplying and laying 8 SWG copper wire ISI marked at 0.5 meter below ground level for conductor earth electrode including soldering etc. as required.	Mtr	3572		
7	Supply and fixing of 40 Amp rating four pole (three phase and neutral) 240 V residual current break (RCCB) having a sensitivity current up to 300 milli amper in the existing MCB DB ISI marked complete with connection testing and commissioning etc as required.	Set	1		
8	Supplying and fixing of 40 amp 4 pole isolator rating four pole 145 V isolator in the existing MCB DB ISI marked complete with connection testing and commissioning etc. as required.	Set	1		
9	Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface/ recess, complete with tinned copper bus bar, neutral bus bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and power painted including earthing etc. as required (But with out MCB/RCCB/Isolator)12 WAY (12+36), TPN, MCB DB Double door horizontal type	Set	1		
10	Supplying and fixing of 16/ 18 SWG metal box of following sizes (nominal size) on surface/ recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required. (200 mm X 150 mm X 75 mm deep)	Set	81		

Sl. No	Description	Unit	Qty	Rate (in Rs)	Amount (in Rs)
11	Supply and making end termination with brass compression gland and aluminum lugs for following size PVC insulated and PVC sheathed /XLPE aluminum cable for 1.1 KV grade as required. For cable size- 4C X 16 sqmm	Set	162		
12	Supply and making end termination with brass compression gland and aluminum lugs for following size PVC insulated and PVC sheathed /XLPE aluminum cable for 1.1 KV grade as required. For cable size- 4C X 25 sqmm	Set	6		
13	Providing and laying PCC (1:3:6) using 40mm size h.g crusher broken metal of approved quality etc as per direction of EIC, including cost of all materials, transportation, labour, T&P etc. as directed by EIC.	Cum	15		
14	Supply of 4C X 16 sqmm 4 core PVC Armoured Cable ISI marked, including cost of all excavation & reffilling, laying , materials, transportation, labour, T&P etc. as directed by EIC.	Mtr	3572		
15	Supply of 4C X 25 sqmm 4 core PVC Armoured Cable ISI marked, including cost of all excavation & reffilling, laying , materials, transportation, labour, T&P etc. as directed by EIC.	Mtr	150		
16	Supply and fixing of one number of digital time switch model- AlphaRex, Legrand make, including cost of all materials, transportation, labour, T&P etc. as directed by EIC.	No	1		
17	Supply and fixing of 32 Amp, 3 pole contactor, 220 volt, including cost of all materials, transportation, labour, T&P etc. as directed by EIC.	each	1		
18	Supply of one 9 meter MS tubelar pole with derocative double arm, including cost of all materials, transportation, labour, T&P etc. as directed by EIC.	each	37		
19	Supply of one 9 meter MS tubelar pole with derocative single arm, including cost of all materials, transportation, labour, T&P etc. as directed by EIC.	each	44		
20	60 watt LED Street light, pole mounted type, including cost of all materials, transportation, labour, T&P etc. as directed by EIC.	each	118		
				Total (in Rs.)	
	Rupees				