


MUNICIPAL CORPORATION OF BHILAI
NIT

वार्ड क्र. 46 गणेश मंदिर के पास गार्डन लाईट लगाने का कार्य।

(As Per PWD Electrical SOR 01.06.2020 & NON SOR ITEM)

SN	PARTICULERS OF ITEMS	QTY.	UNIT
1	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octagonal pole made of 3mm thick steel grade E-350 sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications with 4 way terminal connector including 3mm thick anchor plate, 4 nos 16mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3) 3 metre high, dia 130mm at bottom and 75mm at top, base plate size 200x200x12mm, foundation bolts 450mm long	10	Each
2	Erection of STEEL TUBULAR or "H" BEAM/ ISMB pole in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation and cement concrete collar of size 0.4 metre dia and 0.50 metre height from ground level including excavation and refilling etc. as per specification of length: Upto 3.0 metre	10	Each
3	Erection of steel tubular or "H beam 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 securing with holding clamps, bolts and nuts etc. as per specification:	10	Each
4	Supplying and fixing PVC water tight terminal box of approved make and brand with detachable gland plate in bottom, hinged front openable cover, rubber gasket, having 1 Nos 4way connector and 1 No SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 25x3mm GI flat with 2 No GI nuts bolts complete as per specification. 250x200x125 mm for single phase	10	Each
5	Painting of following height steel tubular poles with two coat of approved colour and shade synthetic enamel paint including cleaning the surface as per specification: upto 6 metre	10	Each
6	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 4 x 16 sq. mm.	75.00	Mtr.
7	Supplying and making end termination with brass compression gland and copper lugs for following size armoured copper conductor power cable of 1.1 KV grade as per specification. 4 X 16 sq. mm (22 mm)	20	Each
8	Supplying, fixing and cramping suitable size and all type aluminium ferule/ lugs to following size 1.1 KV grade power cable core / lead, pressed with high pressure cramping tool including connection to switch gear/ MCCB etc as per specification. 16 sq. mm	90	Each
9	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 and salt as per specification and IS Code 3043: 1987(R 2016)	2	Set
10	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as per specification.	75.00	Mtr.

SN	PARTICULERS OF ITEMS	QTY.	UNIT
	NON SOR ITEM		
1	Supplying , installation , testing and commissioning for the following LED RGB / RGBW Linear wall washer luminaire for façade lighting with aluminium extruded housing of following wattage . Luminaire shall be capable of producing dynamic color changing light with 16 million colors by DMX / Ethernet based control . The beam angle of the fitting shall be narrow , medium , wide or asymmetric as per the requirement. Luminaire shall be complete with driver and capable of operating at line voltage without any seperate power supply from 100 to 270 V AC , 50 Hz , power factor >0.9 . Fixture shall be suitable to operate at ambient temperature range of -10 Degree C to +50 Degree C and shall be IP 65 and IK 06 rated . Lifetime should be at atleast L70:50000 burning hours at 50 Degree C . Luminaire shall be conforming to BIS and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables , water proof connectors etc as required. 20-25 watt	1	Each
2	Supplying of following COB LED Spot Light with Electronic Driver Heat sink Capacitor 9 watt	20	Each


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