

MUNICIPAL CORPORATION OF BHILAI


NIT


वार्ड क्र. 49 नीलकंठ को-ऑपरेटिव के पारा गार्डन संधारण सह निर्माण कार्य।

(As Per Building SOR 01.01.2015 & Electrical SOR 01.06.2020)

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
1	As Per PWD Electrical SOR 01.06.2020 Supply Of Swaged steel tubular Pole as per IS 2713 with base plate of size 300 x 3000 x 6 mm welded at bottom ----- specified height including painting with one coat of red oxide zinc chromate primer. Designation 410 SP-26 height 9.00 metre	1	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: 7 metre to 10 metre	1	Each
3	Supply & fixing water tight terminal box made of 1.6 mm thick M S Sheet with detachable gland plate in bottom ----- . 4 way connector & 1 No. SPMCB inside the box for cable connection fixed to pole with 2 Nos. Clamp made from 40 x 3 mm MS flat with 2 Nos. nut bolts dully painted with 2 coat red oxide paint & 2 coat aluminum paint complete as required 30 x 20 x 15 cms	1	Each
4	Supply & Making end termination with brass compression gland & aluminum lugs for following size armored aluminum conductor power cable of 1.1 KV grade as required 3 x 25 sq.mm	4	Each
5	Supply & fixing & cramping suitable size & all type aluminum ferule/lugs for following size 1.1 KV grade power cable core/lead pressed with high pressure cramping tool including connection to switch gear/MCCB etc as required 25 sq.mm. Item - 17,28.4	4	Each
6	Supply & Fixing GI Pipe Along With wall or pole/support with 2 nos. MS clamp for protection of underground cable in approved manner including bolts & nuts or metal dash.fasteners complete as required 40 mm dia	25.00	Meter
7	Painting new steel & other metallic surface with red oxide zinc chromate primer paint complete with supply of material labour etc including preparation of surface.	6.30	Sqm
8	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffener of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as required. Double Over Hang 1.50 metre Long	2	Each
9	Painting wood steel & other metallic surface with aluminum paint complete with material & labour including preparation of surface	6.30	Sqm
10	Providing & Laying Cast In situ Cement Concrete 1:3:6 graded stone aggregate 40 mm nominal size foundation including mixing with mechanical mixer compacting with vibrator finishing & curing etc complete but excluding formwork.	0.25	Cum
11	Providing timber steel formwork for cement concrete work at all levels including removing of the same.	0.85	Sqm
12	Earthing with G.I. earth pipe 4.5 m long 40 mm dia including accessories & providing masonry enclosure with cover plate having locking arrangement watering pipe etc.(But without chemical & salt) as required.	1	Set
13	Supplying and drawing following sizes of FRLS PVC insulated copper conductor multi strand wire in the existing surface/ concealed, FRLS PVC conduit / PVC casing capping as per specification IS: 694 (2010) 3 x 2.50 sq.mm	18.00	Mtr.
14	Providing & Fixing porcelain rewirable fuse carrire----- as required 3 nos	4	Each
15	Supplying, installation, testing and commissioning of following 230/250 volt LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver of 230 volt as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt, 45 watt	4	Each
16	Supplying and laying following sizes one number PVC insulated/ XLPE, 1.1 KV grade direct in ground steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, cable bedding, protective covering and refilling the trench etc as required. 2 x 16 sq. mm	25.00	Meter
17	Supplying, installation, testing and commissioning of following LED Rope Light complete as per specification and IP65, P.F. should be greater than 0.75		
	9 Watt per Metre White / Warm White	180.00	Meter
	9 Watt per Metre RGB	50.00	Meter

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
18	As Per PWD Building SOR 01.01.2015 Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.	200.00	Kg
19	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)	2.00	Cum
20	Providing and making 15mm thick cement plaster on the rough side of smooth or half brick wall of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)	150.00	Sqm
21	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning and washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	210.00	Sqm
22	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	100.00	Sqm
23	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I. nails or steel pins etc., complete. Aperture 50x50mm	75.00	Sqm


Executive Engineer
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