

MUNICIPAL CORPORATION OF BHILAI NIT


वार्ड-41 में प्रकाश व्यवस्था कार्य।

As Per PWD Electrical SOR 01.06.2020 & **NON SOR ITEM**


SN	PARTICULARS OF ITEMS	QTY.	UNIT
1	Supply Of Decorative Steel Tubular pole as per IS 2613 with base plate of size 300 x 3000 x 6 mm welded at bottom, necessary hole for cable entry and earthing stud welded at specified height including painting with one coat of red oxide zinc chromate primer. Designation 410 SP-71 Height 13.00 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: 13 metre to 14 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	7	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	24	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.	26	Each
6	Suppiy & 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	210.00	Meter
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	1	Each
9	Painting wood steel & other metallic surface with aluminum paint complete with material & labour including preparation of surface	50.80	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 & currying etc complete but excluding formwork	1.75	Cum
11	Providing timber steel formwork for cement concrete work at all levels including removing of the same	8.49	Cum
12	Earthing with G.I. earth pipe 4.5 m long 40 mm dia including accessories & providing masonary enclosure with cover plate having locking arrangement watering pipe etc (But without charcoal & salt) as required	7	Set
13	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing caping as required. 3 x 2.50 sq.mm	288.00	mtr.
14	Providing and fixing porcelain re-wireble fuse carrier and base unit on wooden board including drilling holes on the board, screws, connections etc. as per specification. (Thimbeling shall be paid separately). 32 amps	48	Each
15	Supplying of following 230/250 volts LED Flood 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, Seperate housing for driver etc complete as per specification and P.A. should be greater than 0.9. LED chip efficacy ratio \geq 120 lumens /watt. 400 watt	6	Each
16	Supplying, installation, testing and commissioning of following LED Strip Light fitting complete with Electronic Driver Heat sink Capacitor and all other accessories. including connection, earthing etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio \geq 100 lumens /watt. IP-65		
	5 watt per metre LED Strip	20.00	Metre



SN	PARTICULARS OF ITEMS	QTY.	UNIT
17	Supplying and laying following sizes one number PVC insulated/ XLPE. PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. 2 x 16 sq. mm	285.00	Meter
18	Supply of swaged steel tubular pole as per IS 2713 with base plate of size 300x300x6mm welded at bottom, necessary hole for cable entry and earthing stud welded at specified height including painting with one coat of red oxide zinc chromate primer. Designation 410 SP-2 height 7.00 metre	6	Each
19	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	6	Each
20	Painting new steel & other metallic surface with red oxide zinc chromate primer paint complete with supply of material labour etc including preparation of surface.	37.80	Sqm
21	Supplying, installation, testing and commissioning of following 230/250 volts 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 etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt. 120 Watt	12	Each
22	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 RGB	41.00	Mtr.
23	<u>NON SOR ITEM</u> PVC Wire, 4 Sqmm	60	Bundle
24	<u>NON SOR ITEM</u> PVC Wire, 6 Sqmm	60	Bundle
25	<u>NON SOR ITEM</u> PVC Wire, 8 Sqmm	48	Bundle
26	<u>NON SOR ITEM</u> PVC Wire, 10 Sqmm	36	Bundle


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