

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड-40 एवं 41 में प्रकाश व्यवस्था कार्य।

(As Per PWD Electric SOR 01.06.2020)

S.N.	PARTICULERS OF ITEMS	Quantity	UOM	
1	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-32 height 9.00 metre	5	Each	
2	Erection of steel tubular pole or rail pole in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) foundation including excavation & refilling etc as required of 7 metre to 10 metre	5	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	5	Each	
4	Painting new steel & other metallic surface with red oxide zinc chromate primer paint complete with supply of material labour etc including preparation of surface	35.50	Sqm	
5	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 stiffner 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	20	Each	
6	Painting wood steel & other metallic surface with aluminum paint complete with material & labour including preparation of surface	35.50	Sqm	
7	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	1.27	Cum	
8	Providing timber steel formwork for cement concrete work at all levels including removing of the same	4.24	Cum	
9	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 charcoal & salt) as required	5	Set	
10	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing capping as required. 3 x 2.50 sq.mm	150.00	Metre	
11	Supplying and fixing on surface/ recess following way, 240 volts SP&N MCB distribution board of sheet steel phosphatized and powder painted complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as per specification. (But without MCB/RCCB/Isolator) 4 way, Single door	5	Each	
12	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 \geq 120 lumens /watt.			
		45 watt	55	Each
		60 watt	50	Each
		90 watt	50	Each
		120 watt	50	Each
		180 watt	50	Each

S.N.	PARTICULERS OF ITEMS	Quantity	UO
13	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 10 sq. mm	345.00
		2 x 16 sq. mm	310.00
		2 x 25 sq. mm	300.00
			Meter
			Meter
			Meter



Executive Engineer
Municipal Corporation
Bhilai



Assistant Engineer
Municipal Corporation
Bhilai



Sub Engineer
Municipal Corporation
Bhilai