

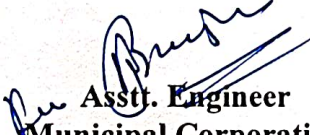
# MUNICIPAL CORPORATION OF BHILAI

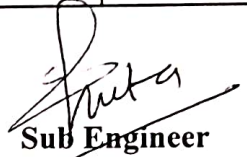
## NIT

कार्य का नाम :- जोन 03 के मुख्य सडक के किनारे विद्युत पोल व एल.ई.डी. लाईट लगाने का कार्य।

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
1	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	14.00	each
2	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:		
	Above 8 metre and upto 10 metre	14.00	265
3	Supplying and fixing of 32mm dia x 2 metre long G.I pipe (light) bracket for mounting street light fittings of all types on poles including bending the pipe to the required shape, 2 Nos 40x3mm flat iron clamps with bolts and nuts including wiring with 1.5 sq. mm W.P /PVC wire etc. as per specification.	14.00	each
4	Supplying and fixing water tight terminal box made of 1.6mm thick M.S. sheet with detachable gland plate in bottom, hinged front open able 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 40x3mm M.S. flat with 2 No nut bolt dully painted with 2 coat of red oxide paint and 2 coat aluminium paint complete as per specification.	14.00	each
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 per specification.	28.00	each
6	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)	14.00	set
7	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 excavtion, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).		
	3.5x95 sqmm		
	4x16 sqmm	300.00	mtr
		268.00	mtr
8	Supplying and laying following sizes one number FRLS PVC insulated, PVC sheathed, steel armoured, copper conductor control /power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification and IS: 694 (2010).	300.00	mtr

9	Supply, intallation, testing and commissioning for the following RF Based analogue (0-10v) dimmable LED Street Light fixture with IP66 protected Die-Cast Aluminum housing and Heat resistive Toughened Glass. LED shall having LM80 complied as per L70 standard LEDs minimum tested for 10,000 burning hours with 5700-6000K CCT with minimum life cycle 50000 hrs burning hours at 50°C. . Luminaire shall have RF node for communication thru CCMS. Optics shall be properly designed with Polycarbonate Lenses to avoid dark patches on the road. Street light without lenses will not be acceptable. Driver shall be 3 stage Constant Current Constant Voltage with voltage range of 150-270V AC. Output voltage of driver should be complied to Safety Extra Low Voltage norms not exceeding 60V DC. Driver Power factor shall be 0.95 and above and THD shall be less than 10%.	28.00	each
10	supplyong installation testing and commissioning of individually adresable led neon flex strip coloured complete	392.00	mtr
11	designer street pole complete heavy ms pole with foundation set grey body laser cut design height 6 mtr	14.00	each

  
**Asstt. Engineer**  
**Municipal Corporation**  
**Bhilai(C.G.)**

  
**Sub Engineer**  
**Municipal Corporation**  
**Bhilai(C.G.)**