

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 33 स्थित पंप हाउस ग्राउण्ड में प्रकाश व्यवस्था, सौंदर्यीकरण एवं विस्तारीकरण कार्य।

(As Per PWD Building/Road SOR 01.01.2015, Electrical SOR 01.06.2020 & NON SOR ITEM)

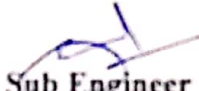
S.N.	PARTICULERS OF ITEMS	Quantity	UOM
AS PER PWD ELECTRICAL SOR 01.06.2020			
1	Supply Of Swaged steel tubular Pole as per IS 2713 with base plate of size 300 x 3000 x 6 mm welded at bottom ----- specified height including painting with one coat of red oxide zinc chromate primer. Designation 410 SP-26 height 9.00 metre	4	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	4	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	4	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	10	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.	25	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	150.00	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	25.20	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 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	9	Each
9	Painting wood steel & other metallic surface with aluminum paint complete with material & labour including preparation of surface	25.20	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	1.02	Cum
11	Providing timber steel formwork for cement concrete work at all levels including removing of the same	3.40	Cum
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 charcoal & salt) as required	4	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 capping as required. 3 x 2.50 sq.mm	120.00	Sqm
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	8	Each
15	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 5 KV surge protection on pole bracket complete as required and furnishing 2 Yrs Guarantee certificate from manufacturer. 40-45 watt	8	Each

S.N.	PARTICULERS OF ITEMS	Quantity	Unit
16	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	310.00	Meter
AS PER PWD BUILDING SOR 01.01.2015			
17	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil	16.00	Cum
18	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).	2.34	Cum
19	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, base of columns and plinth beam in any shape and size.	16.20	sqm
20	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	199.50	Cum
21	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Plain/ normal coloured precast interlock concrete block	75.00	sqm
22	Trenching in ordinary soil upto a depth of 60cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	320.00	Cum
23	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment).	100.00	Cum
24	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment).	100.00	Cum
25	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).	600.00	Sqm
26	Mixing earth and sludge or manure in proportion specified or directed.	600.00	Cum
27	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume----including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	150.00	Cum
28	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : Holes 60 cm dia. and 60 cm deep.	200	No.
29	Edging with modular well burnt clay bricks of crushing strength not less than 25kg/ sqcm laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m :	180.00	Metre
30	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Hedges like Alife, Dorenta, Tikoma etc	200	Each
31	Furn like Arica, China etc (3 year old)	50	Each
32	Hibiscus (Flower)/ Rose	50	Each

PARTICULERS OF ITEMS		Quantity	UOM
33	Carpet grass (well developed)	180.00	Sqm
34	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete: a) 40 mm dia. nominal bore	100.00	Mtr.
35	c) 25 mm nominal bore	100.00	Mtr.
36	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality and weighting not less than 400 grams). Bib cock	10	No.
AS PER PWD ROAD SOR 01.01.2015			
37	Cement art Mural work	60.00	Sqm
NON SOR ITEM			
38	Providing & Planting well developed & healthy (5' and above) orna mental plants with digging holes soil filling & chemical & biological treatment like ficus cycas chhatim, bottle palm, supari palm, musanda & avenue palm, tree including 6th month maintenance till well established as directed Engineer In charge	20	Each
39	Providing & Planting well developed succulent healthy orna mental plants with digging chemical treatment like thuja, cycas, lolina etc, including 6th month maintenance till well established as directed Engineer In charge	23	Each


Executive Engineer
Municipal Corporation
Bhilai

Assistant Engineer
Municipal Corporation
Bhilai


Sub Engineer
Municipal Corporation
Bhilai