

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 50 दुर्गा मंच के समीप बाउण्ड्रीवाल एवं अन्य सौंदर्यीकरण कार्य।

(As Per PWD Building SOR 01.01.2015 & Electrical SOR 01.06.2020)

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	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	60.56	Cum
2	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.	36.22	Cum
3	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. 1:3:6 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	4.78	Cum
4	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	19.56	Cum
5	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	1175.56	Kg
6	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	40.00	Sqm
7	Columns, Pillars, Piers and likes- rectangular or square in shape	93.33	Sqm
8	Beams, lintels, cantilevers & walls	40.00	Sqm
9	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	2.00	Cum
10	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	6.00	Cum
11	Providing and making 18 mm thick cement plaster with under layer of 12mm thick cement plaster 1:5 (1 cement : 5 fine sand) finished with a top layer of 6mm thick cement plaster 1:3 (1 cement : 3 fine sand)	123.33	Sqm
12	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	3332.00	Kg
13	Painting on new work (two or more coats) to give an even shade with: Premium synthetic enamel paint	158.67	Sqm
14	White washing with whitening to give an even shade. On new work (Three or more coats)	123.33	Sqm
15	Finishing walls with water proofing cement paint of required shade to give an even shade. On new work (Two or more coats applied @ 3.84 kg/10 sqm)	123.33	Sqm
16	Supplying, installation , testing and commissioning of LED Bollard luminaire with Die-cast, polycarbonate diffuser, wattage not exceeding 18W, system lumen output-900lumen, Luminaire should be capable of operating at line voltage without any separate power supply from 100-277 V AC. Luminaire is sealed to IP65 protection. Luminaire should Be Compact with option of no up-light , Colour temperature of 6500K with CRI-70 including all accessories support fitting etc as required	10	Each

S.N.	PARTICULERS OF ITEMS	Quantity	
17	Supplying, installation, testing and commissioning of following 230/250 volts LED BOLLARD fitting cool white/warm white {Colour Temperature 3000/4000/5600/6000 K} with electronic driver, heat sink, capacitor and all other accessories on existing foundation/ pole bracket, including connection, earthing etc complete as per specification. P.F. should be greater than 0.9. LED chip efficacy ratio \geq 100 lumens /watt. 9 Watt	10	Eac
18	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)	1	Set
19	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5) 3 X 2.5 sq. mm in 20mm conduit	265.00	Mtr.



Executive Engineer
Municipal Corporation
Bhilai



Assistant Engineer
Municipal Corporation
Bhilai



Sub Engineer
Municipal Corporation
Bhilai