

# MUNICIPAL CORPORATION OF BHILAI

## NIT

वार्ड 38 शहीद वीरनारायण सिंह नगर में स्थित शिव मंदिर के समीप सौंदर्यीकरण कार्य।


(As Per PWD Building SOR 01.01.2015)

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
1	Boring, providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in cement concrete 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size), .....required for boring true to vertical line etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap):	10.05	Metre
2	Providing and laying nominal mix reinforced 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).	0.42	Cum
3	Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	3104.99	Kg
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 all complete: Thermo-Mechanically treated bars	94.89	Kg
5	Supply and fixing of pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 .... upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	82.08	Sqm
6	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
(A)	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	3.22	Sqm
7	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	2.11	Cum
8	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	14.14	Sqm
9	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	14.14	Sqm
10	Painting on new work (two or more coats) to give an even shade with: Aluminium paint	64.02	Sqm
11	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.	10.05	Cum
12	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	100.50	Sqm
13	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. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	0.40	Cum

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
14	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. Size upto 200x300mm	2.01	Sqm
15	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	20.10	Sqm
12	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete. SS Grade 204	100.50	Kg
13	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 White / Warm White	50.25	Meter
14	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. 200 watt	5.86	Each
15	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	25.13	Meter

**Executive Engineer**  
Municipal Corporation  
Bhilai

**Assistant Engineer**  
Municipal Corporation  
Bhilai

  
**Sub Engineer**  
Municipal Corporation  
Bhilai