

# MUNICIPAL CORPORATION OF BHILAI NIT

कार्य का नाम:- वार्ड 68 सेक्टर 8 एसपीए एवं सड़क 14 के मध्य मैदान में उद्यान का कार्य

As Per PWD Building & Road SOR 01.01.2015, Electrical SOR 01.06.2020 & NON SOR ITEM			
S.N.	PARTICULARS 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.	52.480	Cum
2	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).	16.000	Cum
3	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).	11.070	Cum
4	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.	30.210	Cum
5	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 blocks	64.000	sqm
6	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:	626.8	kg
7	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. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	0.68	Cum
8	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Columns, beams & walls- circular or any other geometrical shape other than square and rectangular in all sizes	7.68	Cum
9	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 stringers, treads, landings etc. of stair cases including use of chequered plate wherever required. all complete.	107.77	kg
10	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)	5.52	sqm
11	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)	5.52	sqm
12	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	5.10	sqm
13	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).	81.36	sqm
14	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).	3.05	Cum
15	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).	7.01	Cum
16	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)	9.15	Cum
17	15mm thick cement plaster on the rough side of single or half brick wall of mix:	111.88	Sqm



white washing with whiting to give an even shade. On new work (Three or more coats)  
Distempering with acrylic washable distemper to give an even shade. On new work (Two or more coats)

	111.88	Sqm
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20	1007.101	Kg
21	368.62	Sqm
22	183.08	Sqm
23	1	Each
24	1	Each
25	1	Each
26	3	Each
27	2	Each
28	50	Meter
29	6.3	Sqm
30	2	Each
31	6.3	Sqm
32	0.25	Cum
33	2.83	Sqm
34	1	Set
35	18	Sqm
36	1	Each

	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, 120 watt	1	Each
38	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 excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 2 x 16 sq. mm	20	mtr
39	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	10	mtr

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

  
Sub Engineer  
Municipal Corporation  
Bhilai(C.G.)