

# MUNICIPAL CORPORATION OF BHILAI

## DETAILED ESTIMATE NIT

वार्ड 69 हास्पिटल सेक्टर मार्केट एसबीआई बैंक के सामने मंदिर संधारण व नाली निर्माण कार्य।

	Details of Item	Qty.	Unit
	Excavation for all types and the sizes of foundation, trenches and drains or for any other purpose including dressing and leveling of pits. In all types of soil. @ Rs.185.00/m <sup>3</sup>	25.20	Cum
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:4:8(1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) @ Rs.2659.00/m <sup>3</sup>	6.60	Cum
3	Providing and fixing formwork i/c centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for : a) Foundations, footings; base of columns and plinth beam in any shape and size @ Rs. 139.00/m <sup>2</sup>	88.00	Sqm
4	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.1:1.5:3 @ Rs. 4163.00/m <sup>3</sup>	10.60	Cum
5	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).	5.40	Cum
6	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.	3.69	Cum
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	3.36	Cum
8	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. @ Rs. 54.50/kg.	548.00	Kg
9	Carriage by mechanical transport for 5 km lead. @ Rs.111.00/m <sup>3</sup>	20.16	Cum
10	Painting exterior surface with primium 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 old ms chainling	72.00	Sqm
11	Supplying and fixing G.I. pipe along with wall or pole/ support with 2 Nos MS clamps for protection of under ground cable in approved manner including bolts and nuts or metal dash fasteners complete as per specification. 40 mm dia	10.00	mtr
12	Providing and laying Cast-in-situ cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm including mixing with mechanical mixer, compacting with vibrator, finishing and currying etc. complete but excluding form work.	8.10	Cum
13	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.	20.00	kg
14	Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	30.00	kg
15	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)	1.00	Cum
16	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)	40.00	Sqm

	Applying for old work existing old putty surface 1mm thick ready mix exterior (manufactured with cow dung processing) on walls to make the surface smooth and	36.00	Sqm
	Painting with premium emulsion (plastic) manufactures with the cow dung processing emulsion paint required shade to give an even shade One old work (One or more coats)	54.00	Sqm
19	Painting exterior surface with SMOOTH exterior emulsion paint manufactured with the cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with. One new work (Two or more coats applied @1.43 ltr/10 sqm over)	30.00	Sqm
20	Distempering with washable distemper manufacture with the cow dung processing to give an even shade One new work (Two or more coats)	30.00	Sqm
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 Pigment Coloured (rubber mould) precast interlock concrete blocks	7.50	Sqm
22	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 304	10.00	kg
23	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	1.00	each
24	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	2.00	mtr

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

  
Sub-Engineer  
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