

MUNICIPAL CORPORATION OF BHILAI

N.I.T.

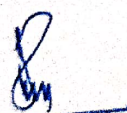
वार्ड क्र. 40 छावनी सतनाम भवन के समीप सार्वजनिक सुलभ शौचालय सह टाइल्स निर्माण कार्य।

S.No	Item Code	Particular	No	L	B	H/d	QTY	UNIT
1	1.1	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.						
	1.1.1	In all types of soils.						
			4	1.20	1.20	1.50	8.64	
			1	8.00	0.30	0.30	0.72	
							9.36	cum
2	3.1	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.						
	3.1.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).						
			4	1.20	1.20	0.12	0.69	
			1	8.00	0.30	0.08	0.19	
			1	2.00	3.00	3.00	18.00	
							18.88	cum
3	3.2	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. (Note :Excess/ less cement used as per design mix is payable/ recoverable separately).						
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).						
		column	4	1.20	1.20	0.15	0.86	
			4	0.60	0.75	0.45	0.81	
		Ground Beam	1	8.00	0.20	0.30	0.48	
		Slab	1	2.60	2.60	0.12	0.78	
		Column	4	0.20	0.20	2.70	0.43	
			4	0.20	0.20	0.80	0.13	
							3.49	cum
4	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending etc. complete as per drawing including cost of binding wire. All complete.						
	3.12.1	Thermo-Mechanically treated bars FE 415						
				3.49	60.00		209.48	kg
5	2.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:						
	2.1.1	Foundations, footings, base of columns and plinth beam in any shape and size.						
			4	4.00	0.20	1.45	4.64	
			2	8.00	0.30		4.80	
							9.44	sqm

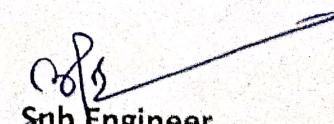
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape							
	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	4	0.80	2.80		8.96	sqm	
			2	8.00	0.20		3.20		
			1	2.60	2.60		6.76		
6	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to S:12894-2002 of class designation 4.0 in foundation and plinth in:					9.96	sqm	
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)							
			1	8.00	0.20	0.50	0.80		
7	7.6	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:					0.80	cum	
			1	8.00	0.20	2.80	4.48		
			-2	0.75	0.20	2.10	-0.63		
8	1.18	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.					4.48	cum	
			1	6.50	9.00	0.30	17.55		
			1	2.00	2.00	0.60	2.40		
9	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork					19.95	cum	
10	9.13	Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer..	1	8.00	0.20	0.05	0.08	sqm	
		as per 20kg/sqm	1	0.75	2.10	20.00	31.50		
11	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat of red oxide zinc chromate primer..					31.50	kg	
			1	0.60	0.45	10.00	2.70	kg	
12	11.1	Providing and making 6mm thick cement plaster of mix:							
	11.1.2	In Cement Mortar 1:4 (1 cement : 4 fine sand)							
			1	2.00	2.00		4.00		
							4.00	sqm	
13	11.2	12mm thick cement plaster of mix:							

11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)						
		1	8.00	2.90		23.20	sqm
14	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:					
	11.3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)					
		2	2.40	3.00		14.40	
		2	2.40	3.00		14.40	
						28.80	sqm
15	12.74	Providing and fixing rectified glazed ceramic Floor tiles of 1st quality C81 conforming to IS : 15622-2017 of approved make, in all colours, shades over 20mm 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.					
	12.74.1	Size 300x300mm thickness 7 to 8 mm					
		1	2.00	2.00		4.00	
						4.00	sqm
16	12.7	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 ointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.					
	12.7.2	Size above 200x300mm					
		1	8.00	2.80		22.40	
						22.40	sqm
17	14.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit door, indows, floor and surface as required with all tools tackles and labour complete for the work.					
		1	2.00	2.00		4.00	
						4.00	sqm
18	14.64	Providing and applying Premium plastic emulsion paint with roller application minimum three coats applied @ 0.75 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -1 Class D & C (Glossy and Semi Glossy Finish)cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work.(with 3 year Warranty)					
		1	8.00	3.10		24.80	sqm

SAY


Executive Engineer
Municipal Corporation
Bhilai


Assistant Engineer
Municipal Corporation
Bhilai


Sub Engineer
Municipal Corporation
Bhilai