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 ement 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 Beem	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 einforcement 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**

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	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape						
			4	0.80	2.80		8.96	sq
	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)						
			2	8.00	0.20		3.20	
			1	2.60	2.60		6.76	
							9.96	sqm
6	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to S:12894-2002 of class designation 4.0 in foundation and plinth in:						
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)						
			1	8.00	0.20	0.50	0.80	
							0.80	cum
7	7.6	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) Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:						
			1	8.00	0.20	2.80	4.48	
			-2	0.75	0.20	2.10	-0.63	
							4.48	cum
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.						
			1	6.50	9.00	0.30	17.55	
			1	2.00	2.00	0.60	2.40	
							19.95	cum
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						
			1	8.00	0.20	0.05	0.08	sqm
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..						
		as per 20kg/sqm	1	0.75	2.10	20.00	31.50	
							31.50	kg
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..						
			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	
13	11.2	12mm thick cement plaster of mix:					4.00	sqm

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	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 C81conforming 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 ofapproved 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
Municiapal Corporation
Bhilai

Assistant Engineer
Municipal Corporation
Bhilai

Sub Engineer
Municipal Corporation
Bhilai

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