

MUNICIPAL CORPORATION OF BHILAI

N.I.T.

कार्य का नाम :- वार्ड 48 खुर्सीपार भिलाई सदगुरु कबीर मंदिर के पास सर्वसुविधायुक्त महिला पुरुष सार्वजनिक शौचालय 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	14.00	0.30	0.30	1.26	
							9.90	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	17.00	0.30	0.08	0.41	
			2	1.80	1.80	0.10	0.65	
							1.75	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).	4	1.20	1.20	0.15	0.86	
		column	4	0.60	0.75	0.45	0.81	
			1	14.00	0.20	0.30	0.84	
		Ground Beam	2	14.00	0.20	0.20	1.12	
		Lintal & Slab Beam	1	4.20	3.40	0.12	1.64	
		Slab	4	0.20	0.20	2.70	0.43	
		Column	4	0.20	0.20	0.80	0.13	
							5.84	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		5.84	80.00		466.90	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	14.00	0.30		8.40	
							13.04	sqm
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	4	0.80	3.70	0.25	2.96	sqm
	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	2	18.00	0.80		28.80	
			1	6.30	3.40		21.42	

								50.22	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)	2	4.00	0.20	0.20	0.32		
			3	2.60	0.20	0.20	0.31		
			2	2.60	0.20	0.60	0.62		
			3	2.60	0.20	0.60	0.94		
							2.19	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:							
			4	2.00	0.20	2.80	4.48		
			3	2.60	0.20	2.80	4.37		
			4	2.00	0.20	0.80	1.28		
			3	2.60	0.20	0.80	1.25		
			-2	0.75	0.20	2.10	-0.63		
							10.75	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.							
			4	0.60	0.60	0.50	0.72		
			1	3.60	2.60	0.60	5.62		
							6.34	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	14.00	0.20	0.05	0.14	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	2	0.75	2.10	20.00	63.00		
							63.00	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..	2	0.60	0.45	10.00	5.40	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)	2	2.00	2.60		10.40		
							10.40	sqm	
13	11.2	12mm thick cement plaster of mix:							
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)	8	2.00	1.50		24.00	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	2.00	2.60		10.40		
			2	4.00	2.60		20.80		
							31.20	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	8	2.00	2.60			41.60	
								41.60	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	8	2.00	1.50			24.00	
								24.00	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.						34.40	
		As for 12 mm plaster + 6 mm plaster	1	34.40				34.40	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 -I 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)							
		As for 15 mm plaster	1	31.20				31.20	sqm
19	18.1	Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :							
	18.1.3	White Orissa pattern W.C. pan of size 580x440 mm						2.00	each


Executive Engineer
Municipal Corporation
Bhilai


Assistant Engineer
Municipal Corporation
Bhilai


Sub Engineer
Municipal Corporation
Bhilai