

MUNICIPAL CORPORATION OF BHILAI

N.I.T.

कार्य का नाम :- वार्ड 48 खुर्सीपार भिलाई ज्योतिर्लिंगेश्वर मंदिर के पास सार्वजनिक शौचालय, स्नानगृह व छोटी पानी टंकी 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.						
			6	1.20	1.20	1.50	12.96	
			1	18.00	0.30	0.30	1.62	
							14.58	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).						
			6	1.20	1.20	0.12	1.04	
			1	21.00	0.30	0.08	0.50	
			2	2.60	2.60	0.10	1.35	
							2.89	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	6	1.20	1.20	0.15	1.30	
			6	0.60	0.75	0.45	1.22	
		Ground Beem	1	18.00	0.20	0.30	1.08	
		Lintal & Slab Beem	2	18.00	0.20	0.20	1.44	
		Slab	1	6.20	3.40	0.12	2.42	
		Column	6	0.20	0.20	2.70	0.65	
			6	0.20	0.20	0.80	0.19	
							8.30	cum
4	3.12	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:						
	3.12.1	Thermo-Mechanically treated bars FE 415						
				8.30	100.00		829.52	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:						
	2.1.6	Foundations, footings, base of columns and plinth beam in any shape and size.						
			6	4.00	0.20	1.45	6.96	
			2	18.00	0.30		10.80	
							17.76	sqm
	2.1.6	Columns, Pillars, Piers and likes- rectangular or square in shape						
			6	0.80	3.70	0.25	4.44	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	6.00	0.20	0.20	0.48	
			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	
							2.35	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	2.60	0.20	2.80	5.82	
			3	2.60	0.20	2.80	4.37	
			4	2.60	0.20	0.80	1.66	
			3	2.60	0.20	0.80	1.25	
			-2	0.75	0.20	2.10	-0.63	
							11.86	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.						
			6	0.60	0.60	0.50	1.08	
			1	5.60	3.60	0.60	12.10	
							13.18	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	21.00	0.20	0.05	0.21	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 6 mm thick cement plaster of mix:						
	11.1.2	In Cement Mortar 1:4 (1 cement : 4 fine sand)	2	2.60	2.60		13.52	
							13.52	sqm
13	11.2.4	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)						
	11.2	In Cement Mortar 1:6 (1 cement : 6 fine sand)	8	2.60	1.50		31.20	sqm
14	11.3	Providing and making 15mm thick cement plaster of mix:						
	11.3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)						
			2	2.60	3.80		19.76	
			2	6.00	3.80		45.60	
							65.36	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	2.60	2.60		54.08	
							54.08	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	2.60	1.50		31.20	
							31.20	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.						
		As for 12 mm plaster + 6 mm plaster	1	44.72			44.72	
								sqm
18	14.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant I.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison,..... tackles and labour complete for the work.						
			2	2.00	1.00	2.10	8.40	
			4	3.00	0.90	1.20	12.96	
							21.36	sqm
19	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) and surface as required with all tools tackles and labour etc. complete for the work.(with 3 year Warranty						
		As for 15 mm plaster						
							21.36	sqm
20	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						
21	19.42	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank					2.00	each
							2000.00	Litre


Executive Engineer
Municipal Corporation
Bhilai


Assistant Engineer
Municipal Corporation
Bhilai


Sub Engineer
Municipal Corporation
Bhilai