

# MUNICIPAL CORPORATION OF BHILAI

## DETAILED ESTIMATE

कार्य का नाम :- वार्ड-06 प्रियदर्शनी परिसर ईस्ट के शिवधाम में सार्वजनिक भवन निर्माण कार्य।

(As Per PWD Building SOR 01.01.2015 & Electric SOR 01.06.2020)

S.NO	PARTICULAR	QTY	UNIT
1	Excavation for all types and sizes of foundations, trenches and drains or for .....upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil	24.60	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).	7.56	Cum
3	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	19.44	Cum
4	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: Cold twisted bar / Hot rolled deformed steel	1943.98	Kg
5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
6	Foundations, footings, base of columns and plinth beam in any shape and size.	29.60	Sqm
7	Columns, Pillars, Piers and likes- rectangular or square in shape	71.00	Sqm
8	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	115.63	Sqm
9	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)	4.68	Cum
10	super structure 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)	15.10	Cum
11	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.	25.88	Cum
12	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	0.30	Sqm
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.	212.40	Kg



	PARTICULAR	QTY	UNIT
14	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..	43.20	Kg
15	6 mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)	68.52	Sqm
16	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	85.20	Sqm
17	15mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	114.00	Sqm
18	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and onforming to IS: 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	48.56	Sqm
19	Distempering with washable distemper tmanufacturer with cow dung processing to give an even shade: on new work (two or more coats)	153.72	Sqm
20	Painting exterior surface with SMOOTH exterior paint of required shade as per manufacturer with cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with On new work (One or more coats applied @ 0.83 ltr/ 10 sqm)	114.00	Sqm
21	Painting on new work (two or more coats) to give an even shade with Premium synthetic enamel paint (2nd top most approved branded quality) to give an even shade .	21.36	Sqm
22	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 jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.	28.40	Sqm
23	ADD EXTRA 3 % FOR ELECTRIFICATION	14044.00	Sqm
24	ADD EXTRA 4 % FOR SANITORY	18726.00	Sqm

  
Executive Engineer  
Municipal Corporation  
Bhilai (C.G)

  
Asstt. Engineer  
Municipal Corporation  
Bhilai (C.G)

  
Sub. Engineer  
Municipal Corporatio  
Bhilai (C.G)