

**MUNICIPAL CORPORATION BHILAI (C.G.)
NIT**

Name of work :- वार्ड-56 सेक्टर-06 में शौचालय एवं पेवर ब्लॉक लगाने का कार्य।

As per Building SOR 01.01.2015 ELEC SOR 2020

S/NO.	PARTICULARS	QTY.	UNIT
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).	56.70	Sqm
2	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.	43.52	Cum
3	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	43.52	Cum
4	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 : 4coarse sand : 8 graded stone aggregate 40mm nominal size).	3.35	Cum
5	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.	1.67	Cum
6	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).	7.57	Cum
7	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	11.56	Cum
8	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.	19.20	Cum
9	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:		
	Thermo-Mechanically treated bars	567.75	Kg

	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	Foundations, footings, base of columns and plinth beam in any shape and size.	55.60	Sqm
11	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	Columns, Pillars, Piers and likes- rectangular or square in shape	26.40	Sqm
12	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	Weather shade, chhajja, Cornices and mouldings	3.84	Sqm
13	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	Beams, lintels, cantilevers & walls	13.08	Sqm
14	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	55.20	Sqm
15	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:		
	Cement Mortar 1:6 (1 cement : 6 coarse sand)	7.38	Cum
16	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:		
	Cement Mortar 1:6 (1 cement : 6 coarse sand)	13.95	Cum
17	Providing and fixing flush door shutters decorative type, core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges.		
	35 mm. thick (single leaf)	13.14	Sqm
18	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:		
	100x85x5.50 mm (Heavy Type)	9.00	Each
19	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:		
	250x16mm	2.00	Each
20	Providing and fixing brass door latch with brass polished MS screws complete:		
	250x16x5 mm	2.00	Each
21	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete:		
	200x10mm	12.00	Each
22	Providing and fixing bright finished brass door handles with brass polished MS screws complete:		
	125 mm	8.00	Each

23	Making the opening in brick masonry for door/ window/ clerestory window including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete to match existing surface i/c disposal of malba/ rubbish to the nearest municipal dumping ground.		
	Float glass panes of thickness 5.5 mm	13.14	Sqm
24	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.		
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	250.00	kg
25	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming 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	48.00	Sqm
	Size 600x600mm		
26	6mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	15.00	Sqm
27	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	134.40	Sqm
28	15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	106.08	Sqm
29	Applying one coat of cement primer on wall surface.	149.40	Sqm
30	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. On new work (two or more coats)	149.40	Sqm
31	Painting on new work (two or more coats) to give an even shade with Satin synthetic enamel paint	15.00	Sqm
32	Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer	120.00	KG
33	Providing and applying plaster of paris putty over plastered wall surface including scaffolding complete		
	Upto 2 mm thickness to make surface even and smooth in line and level.	15.00	Sqm

	Providing and fixing one side polished 25 mm thick RAJIM SAND STONE shelves fixed in walls in cement mortar 1:3 (1 cement : 3 coarse sand) including finishing complete. One side polished	20.00	Sqm
35	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : 18.30.1 5mm thick mirror	3.00	SQM
36	Providing and fixing glass panes in glazed or paneled and glazed shutters of doors and window, clearstory windows etc (Only area of glass panes to be measured). 8.11.1 4mm thick	2.00	SQM
37	Providing and fixing laminated glass sheet of 8.76mm thickness in approved sizes on aluminium frame work on face of building. (Frame to be paid for separately)	3.15	SQM
38	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment).	10.00	Cum
39	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).	10.00	Cum
40	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Carpet grass (well developed)	12.00	Sqm
41	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	1.62	Cum

42	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks	250.00	SQM
	WATER SUPPLY ,PLUMBING		RS 118461
	ELECTRIFICATION		RS 88846
			TOTAL
			SQM TOTAL

Asstt. Engineer
Municipal Corporation
Bhilai(C.G.)

Sub Engineer
Municipal Corporation
Bhilai (C.G.)

कार्यपालन अभियंता
अनुविभाग क्रमांक-5, सेक्टर-6
नगर पालिक निगम भिलाई