

# MUNICIPAL CORPORATION OF BHILAI

## NIT

वार्ड क्र. 46 में सार्वजनिक सामुदायिक भवन में ग्रिल लगाने एवं मंच निर्माण कार्य।

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

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	3.24	Cum
2	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.	3.90	Cum
3	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. In all types of soils.	25.53	Cum
4	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. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	2.89	Cum
5	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	10.669	Cum
6	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	1548.85	Kg
7	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
(A)	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	19.80	Sqm
(B)	Columns, Pillars, Piers and likes- rectangular or square in shape	25.08	Sqm
(C)	Beams, lintels, cantilevers & walls	11.95	Sqm
(D)	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	67.43	Sqm
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.	54.48	Cum
9	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	3.55	Cum
10	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming 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:	9.52	Cum
11	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)	110.23	Sqm
12	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	35.16	Sqm
13	Providing and making 15mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)	82.89	Sqm
14	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., completeSize upto 300x300mm	61.80	Sqm
15	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12mm 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. Size upto 200x300mm	28.80	Sqm

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
16	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 njgements etc. complete.	82.00	Sqm
17	15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m). Granite stone black	1.20	Sqm
18	Painting exterior surface with SMOOTH exterior emulsion paint manufactured with th cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with : On new work (two or more coats applied @ 1.43 ltr/ 10 sqm over)	118.15	Sqm
19	Distemping with washable distemper manufactured with the cow dung processing to give an even shade. On New work (two or more coats)	100.00	Sqm
20	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	13.74	Sqm
21	Providing and applying 2mm thick ready mix exterior grade putty (Manufactured with cow dung processing) on walls to make the surface smooth and even.	93.45	Sqm
22	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 welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.	32.40	Kg
23	Providing and fixing steel door/ window 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.	94.50	Kg
24	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete. SS Grade 304	200.00	Kg
25	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement	26.50	Sqm
26	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).	0.40	Cum
27	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. 1:1 ½ :3 (1 cement : 1 ½ coarse sand : 3 graded stone aggregate 20mm nominal size) + 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:	6.665	Cum
28	Wall painting with premium emulsion (plastic) Manufactured with the cow dung processing emulsion paint of required shade to give an even shade. On new work (two or more coats)	43.45	Sqm
29	Add Extra For Electrification & sanitation	18844.00	LS

  
Executive Engineer  
Municipal Corporation  
Bhilai

  
Assistant Engineer  
Municipal Corporation  
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Sub-Engineer  
Municipal Corporation  
Bhilai