

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 41 शास. पूर्व माध्यमिक शाला, शंकर नगर, छावनी का जीर्णोद्धार कार्य।

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

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
1	Dismantling lime/ cement plaster or skirting at any height raking out joints and cleaning the surface for plaster including disposal of rubbish within 50 metres lead.	20.00	Sqm
2	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.	0.30	Cum
3	Demolishing cement concrete including disposal of material within 50 metre lead. 1:4:8 or leaner mix	1.60	Cum
4	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	2.30	Cum
5	Dismantling terrazzo or mosaic or glazed vitreous or patent cement or tiled flooring or dado skirting of any thickness without sub base.	234.60	Sqm
6	Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	6	Each
7	Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	12	Each
8	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.	25.50	Cum
9	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).	2.10	Cum
10	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	1.50	Cum
11	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 + 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:	1.89	Cum
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:TMT BAR	339.00	Kg
13	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)	1.80	Cum
14	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:	2.26	Cum
15	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.	1.20	Sqm
(B)	Columns, Pillars, Piers and likes- rectangular or square in shape	9.12	Sqm
(C)	Beams, lintels, cantilevers & walls	1.08	Sqm

S.N.	PARTICULERS OF ITEMS	Quantity	Unit
(D)	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	1.00	Sqm
(E)	Weather shade, chhajja, Cornices and mouldings	30.60	Sqm
16	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.	51.90	Cum
17	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)	335.08	Sqm
18	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	75.00	Sqm
19	Providing and making 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)	150.00	Sqm
20	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), 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)	8.00	Sqm
21	Providing and fixing in position doors, windows and ventilators frames made of cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets conforming-----neatly compacted filling M-10 cement concrete in profile section applying a priming coat of red oxide zinc chromate primer. Single rebate/ mullion 80mmx50mm size, 1.6mm thick sheet	16.00	metre
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.	270.00	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.	601.20	Kg
24	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer	2.90	Sqm
25	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	18.00	Kg
26	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 form work.	0.05	Sqm
27	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 including pointing the joints with white cement mixed with matching pigment etc.,complete.Size 300x300mm	96.00	Sqm
28	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 and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.	61.00	Sqm
29	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.	179.40	Sqm
30	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)	65.28	Sqm

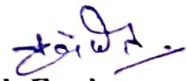
PARTICULERS OF ITEMS		Quantity	UOM
31	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq cm Pigment Coloured (rubber mould) precast interlock concrete blocks	210.00	Sqm
32	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).	3.29	Cum
33	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.	310.40	Sqm
34	Finishing walls with water proofing cement paint of required shade to give an even shade. On new work (Two or more coats applied @ 3.84 kg/10 sqm)	310.40	Sqm
35	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade. On new work (two or more coats)	410.08	Sqm
36	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications 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 and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	270.00	Sqm
37	Painting on new work (two or more coats) to give an even shade with: Premium synthetic enamel paint	63.40	Sqm
38	Painting on old work (two or more coats) to give an even shade with: Premium synthetic enamel paint	2.00	Sqm
39	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. 40 mm thick	394.80	Sqm
40	Add 10% For Electrification & Sanitation Work (As Per SOR)	90880.00	L-S



Executive Engineer
Municipal Corporation
Bhilai



Assistant Engineer
Municipal Corporation
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Sub Engineer
Municipal Corporation
Bhilai