

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 43 भीमराव अंबेडकर भवन में डोमशेड निर्माण, शौचालय निर्माण, मुख्य द्वार निर्माण एवं बाबा साहब की मूर्ति के ऊपर छतरी निर्माण तथा रंगाई कार्य।

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

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	Boring, providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in cement concrete 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size),required for boring true to vertical line etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap): 300 mm dia piles	33.20	Metre
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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	21.41	Cum
3	Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	10257.29	Kg
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:Thermo-Mechanically treated bars	1918.58	Kg
5	Supply and fixing of precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	271.13	Sqm
6	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	36.58	Sqm
7	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)	12.23	Cum
8	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	46.70	Sqm
9	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)	447.48	Sqm
10	Painting on new work (two or more coats) to give an even shade with: Aluminium paint	211.48	Sqm
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.	60.03	Cum
12	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 andsweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks	332.00	Sqm
13	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. Size upto 200x300mm	6.64	Sqm

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
14	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 soil	39.19	Cum
15	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. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	2.98	Cum
16	Columns, Pillars, Piers and likes- rectangular or square in shape	24.08	Sqm
17	Beams, lintels, cantilevers & walls	7.20	Sqm
18	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	18.50	Sqm
19	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	9.59	Cum
20	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	13.51	Sqm
21	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)	50.78	Sqm
22	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)	104.46	Sqm
23	Neat Cement punning	17.96	Sqm
24	Providing and making 6mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)	9.52	Sqm
25	Providing and fixing vitreous china water closet squatting pan (Indian type) including cutting and making good the walls and floors wherever required: White Orissa pattern W.C. pan of size 580x440 mm	2.00	Nos
26	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : White Size 550x450 mm	2.00	Nos
27	Constructing masonry Chamber 30x30x50 cm, inside with modular well burnt clay bricks of 35 kg/ cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :	3.00	Each
28	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. INTERNAL WORK - EXPOSED ON WALL 15 mm nominal outer dia. Pipes.	15.00	Mtr
29	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. 75 mm dia pipe.	7.20	Mtr
30	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.	151.20	Kg
31	Painting on new work (two or more coats) to give an even shade with: Premium synthetic enamel paint	15.12	Sqm
32	Distemping with acrylic washable distemper to give an even shade On old work (one or more coats)	75.14	Sqm
33	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	500.00	Litre

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
34	Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	Each
35	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 soil Extra for every additional lift of 1.5 m or part thereof.	9.72	Cum
36	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).	2.05	Cum
37	Providing and fixing form work including centring, 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. (+) Extra for additional height every 1m or part thereof where height of staging for form work exceeds 4.0 metre with adequate bracing, propping etc at all levels, for suspended floor, roof, landing, beam and balcony. (only plan area is to be measured):	2.88	Sqm
38	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Beams, lintels, cantilevers & walls	9.84	Sqm
39	Providing and making 6mm thick cement plaster of mix: In Cement Mortar 1:3 (1 cement : 3 fine sand)	4.56	Sqm
40	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	33.88	Sqm
41	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.	95.10	Kg
42	Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	520.00	Kg
43	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	181.64	Sqm
44	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. On new work (two or more coats)	300.00	Sqm
45	Add Extra for Electrical & Water Supply Work.	18531.00	L-S

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