

MUNICIPAL CORPORATION OF BHILAI


NIT

वार्ड क्र. 37 उत्कल सामाजिक भवन में पेवर ब्लॉक एवं अतिरिक्त शौचालय निर्माण-मूलभूत कार्य।


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

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
1	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.	49.15	Cum
2	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).	4.90	Cum
3	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).	22.65	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: Thermo-Mechanically treated bars	2127.96	Kg
5	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.	33.64	Sqm
6	Columns, Pillars, Piers and likes- rectangular or square in shape	35.36	Sqm
7	Beams, lintels, cantilevers & walls	12.24	Sqm
8	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	73.50	Sqm
9	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.	52.14	Cum
10	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)	7.56	Cum
11	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:	16.55	Cum
12	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)	52.78	Sqm
13	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	51.81	Sqm
14	Providing and making 15mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)	122.80	Sqm
15	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.	339.00	Kg
16	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.	209.70	Kg
17	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.	25.00	Sqm
18	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 Plain/ normal coloured precast interlock concrete block	20.00	Sqm

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
19	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. 1:2:4	0.54	Cum
20	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)	122.80	Sqm
21	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. On new work (two or more coats)	89.89	Sqm
22	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	23.59	Sqm
23	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., complete. Size 300x300mm	10.40	Sqm
24	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	20.64	Sqm
25	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)	48.16	Sqm
26	Distempering with acrylic washable distemper to give an even shade. On new work (Two or more coats)	62.86	Sqm
27	Providing and making 12mm thick cement plaster of mix : in C.M.-1:5 + Neat Cement punning.	24.44	Sqm
28	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 fitting and the base Support for tank.	500.00	Litre
29	Providing, Laying and Jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) i/c testing of joints etc. complete. 150 mm diameter	10.00	Metre
30	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required : White Size 550x450 mm	3.00	Each
31	Surface dressing of the ground including removing vegetation and making up undulations and inequalities 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).	289.80	Sqm
32	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	289.80	Sqm
33	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).	5.04	Cum
34	Add Extra For Electrification & Sanitation Work	23692.00	LS


Executive Engineer
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Bhilai

Assistant Engineer
Municipal Corporation
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Sub Engineer
Municipal Corporation
Bhilai