

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 37 सुभाष नगर शासकीय प्राथमिक व पूर्व माध्यमिक शाला का जीर्णोद्धार कार्य।

As Per PWD Building SOR 01.01.2015 & Electrical SOR 01.06.2020

SN	PARTICULERS OF ITEMS	QTY.	UNIT
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.	121.92	Sqm
2	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.	1.00	Cum
3	Demolishing cement concrete including disposal of material within 50 metre lead. 1:4:8 or leaner mix	30.00	Cum
4	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	5.81	Cum
5	Dismantling terrazzo or mosaic or glazed vitreous or patent cement or tiled flooring or dado skirting of any thickness without sub base.	68.00	Sqm
6	Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	4	Each
7	Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	10	Each
8	Excavation for all types and size of foundation, trenches and drains or for any other purpose including disposal of --- 1.5m. lift and lead upto 50m (at least 5m away from the excavated area). including dressing and leveling of pits.	19.50	Cum
9	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)	16.31	Cum
10	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.	72.00	Cum
11	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).	20.00	Cum
12	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.	615.00	Kg
13	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.	1827.98	Kg
14	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.	12.60	Sqm
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.	8.00	Sqm
(B)	Columns, Pillars, Piers and likes- rectangular or square in shape	3.20	Sqm
(C)	Beams, lintels, cantilevers & walls	8.00	Sqm
(D)	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	35.00	Sqm

SN	PARTICULERS OF ITEMS	QTY.	UNIT
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 pigments etc. complete.	94.00	Sqm
17	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	79.00	Sqm
18	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 upto 300x300mm	58.00	Sqm
19	Providing and fixing vitreous china water closet squatting pan (Indian type) including cutting and making good the walls and floors wherever required: White Long pattern W.C. pan of size 580 mm	2	Each
20	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	2	Each
21	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat ----- fittings and fixtures complete including cutting and making good the walls and floors wherever required : White pedestal type	2	Each
22	Providing and placing on terrace (at all levels) polyethylene water storage tank ISI 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.	1000.00	Litre
23	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete: 25 mm dia. nominal bore	30.00	Metre
24	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete: 15 mm dia. nominal bore	45.00	Metre
25	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 25 mm nominal bore	4	Each
26	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality and weighting not less than 350 grams): Bib cock	10	Each
27	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)	450.00	Sqm
28	Distemping with acrylic washable distemper to give an even shade. On new work (Two or more coats)	931.60	Sqm
29	Painting on new work (two or more coats) to give an even shade with: Premium synthetic enamel paint	61.20	Sqm
30	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.	200.00	Sqm
31	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	35.00	Sqm

SN	PARTICULERS OF ITEMS	QTY.	UNIT
32	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately).		
i	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1.50	Cum
ii	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	0.75	Cum
iii	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	0.45	Cum
33	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6	3.80	Sqm
34	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). + 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:	39.05	Cum
35	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	3905.00	Kg
36	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:	31.82	Cum
37	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.	421.20	Kg
38	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)	211.20	Sqm
39	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:5	276.00	Sqm
40	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6	269.40	Sqm
41	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)	175.72	Sqm
42	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	121.97	Sqm
43	Add 5% Extra For Electrification work	65244.00	LS


Executive Engineer
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Bhilai


Assistant Engineer
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Sub Engineer
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