

2 MUNICIPAL CORPORATION OF BHILAI

NIT

शासकीय हाई स्कूल केम्प-02 भिलाई में प्रयोगशाला कक्ष निर्माण कार्य। यूआईस
कोड-22100716104


(As Per PWD Building wef 2015 & Electrical SOR wef 2020,)

S.N.	Item Cod	PARTICULERS OF ITEMS	Quantity	UOM
1	1.1.1	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.	51.40	Cum
2	1.18	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.	17.18	Cum
3	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	30.84	Cum
4	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	2.1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	83.59	Sqm
5	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape Column above plinth upto slab	37.62	Sqm
6	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	81.85	Sqm
7	2.1.8	Beams, lintels, cantilevers & walls	42.73	Sqm
8	2.1.13	Weather shade, chhajja, Cornices and mouldings	5.72	Sqm
9	3.1.3	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. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	12.56	Cum
10	3.2.1	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).	29.710	Cum
11	3.4	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:	16.790	Cum
12	3.12.1	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 in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	2673.90	Kg
13	7.5.4	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)	26.46	Cum
14	7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	21.12	Cum

S.N.	Item Cod	PARTICULERS OF ITEMS	Quantity	UOM
15	8.12.2	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)	5.04	Sqm
16	8.79	Providing and fixing antique/ SS finished brass sliding door bolt with necessary bolts, nuts and antique/ SS polished MS screw complete: 300x16mm	8.00	Each
17	8.8	Providing and fixing antique/ SS finished brass door latch with antique/ SS polished MS screw complete: 300 x 16x5 mm	2.00	Each
18	8.81	Providing and fixing antique/ SS finished brass tower bolts (Barrel type) with antique/ SS polished MS screw complete: 250 x 10 mm	4.00	Each
19	8.84	Providing and fixing antique/ SS finished brass handles with antique/ SS polished MS screw complete: 125 mm	8.00	Each
20	8.9	Providing & fixing 150mm antique/ SS finished brass floor door stopper with rubber cushion and antique/ SS polished MS screw complete to suit the shutter thickness. Door	8.00	Each
21	9.2	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.	226.80	Kg
22	9.15	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.	160.65	Kg
23	9.47.2	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately: For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/neoprene gasket required (Fittings shall be paid for separately)	60.84	Kg
24	9.49	Extra for polyester powder coated (minimum 50 micron) aluminium sections instead of anodized. Quantity same as aluminium work	60.84	Kg

S.N.	Item Cod	PARTICULERS OF ITEMS	Quantity	UOM
25	9.51	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5 mm thickness	10.71	Kg
26	9.6	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	150.00	Kg
27	11.1	Providing and making 6mm thick cement plaster of mix:In Cement mortar 1:4 (1 cement : 4 fine sand)	74.88	Sqm
28	11.2.4	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	123.54	Sqm
29	11.3.4	Providing and making 15mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	136.80	Sqm
30	12.3.2	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.50 mm thick	100.13	Sqm
31	14.4	Preparation of wall surface by applying a coat of putty comprising of chalk mitti, varnish and white lead in ratio 2½:1:1 (2½ kg chalk mitti : 1 litre varnish : 1 kg white lead) respectively, sand papering and making the surface smooth to proper shape and presentable conditions.	335.22	Sqm
32	14.9.1	Distempering with acrylic washable distemper to give an even shade.On new work (Two or more coats)	129.26	Sqm
33	14.9.1	Distempering with acrylic washable distemper to give an even shade.On new work (Two or more coats)	196.00	Sqm
34	14.2	Applying priming coat on wood work with ready mixed primer.	10.08	Sqm
35	14.21	Applying priming coat on steel work with red oxide zinc chromate primer.	10.71	Sqm
36	14.22	Painting on new work (two or more coats) to give an even shade with:Satin synthetic enamel paint	20.79	Sqm
RWH As Per SOR Building wef 2015				
37	-	Demolishing cement concrete including disposal of material within 50 metre lead. 1:3:6 or richer mix CC Demolishe	0.45	Cum
38	-	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.2 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	3.38	Cum
39	-	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).	0.18	Cum
40	-	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
41	-	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.	0.28	Cum

S.N.	Item Cod	PARTICULARS OF ITEMS	Quantity	UOM
42	-	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 in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	22.50	Kg
43	-	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). Stone boulders of size range 5 cm to 20 cm, in recharge pit	1.13	Cum
44	-	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1.13	Cum
45	-	Coarse sand of size range 1.2 mm to 2 mm over existing layer of gravel	0.90	Cum
46	-	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. 110 mm dia pipe.	26.50	mtr
47	-	Add Extra 8% For Electrification Work	1	Job
48	-	Add Extra 8% For Water Supply Work	1	Job
49	-	Add Extra 0.7% For Sanitation Work	1	Job


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