

# MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 44 लक्ष्मीनारायण नगर खुर्सीपार में जियांशी किराना के समीप सावजनिक सामुदायिक भवन निर्माण कार्य।

(As Per PWD Building SOR 01.01.2015 & Electrical 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.<br>In all types of soils.  | 15.08    | 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.<br>1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).  | 2.02     | 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.<br>1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).   | 10.01    | 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  | 1001.12  | Kg  |
| 5    | 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.  | 17.04    | Sqm |
| (B)  | Columns, Pillars, Piers and likes- rectangular or square in shape   | 15.84    | Sqm |
| (C)  | Beams, lintels, cantilevers & walls   | 7.04     | Sqm |
| (D)  | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)   | 45.10    | Sqm |
| 6    | 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.   | 12.00    | Cum |
| 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:<br>Cement Mortar 1:6 (1 cement : 6 coarse sand)   | 1.76     | Cum |
| 8    | 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:<br>Cement Mortar 1:6 (1 cement : 6 coarse sand)<br>Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: | 10.61    | Cum |
| 9    | Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)   | 29.26    | Sqm |
| 10   | Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)  | 46.68    | Sqm |
| 11   | Providing and making 15mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)  | 70.20    | Sqm |
| 12   | 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.                                 | 135.00   | Kg  |
| 13   | 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.  | 88.20    | Kg  |
| 14   | 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.       | 26.00    | Sqm |
| 15   | 25mm thick cement concrete flooring with 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) finished with floating cost of neat cement.   | 21.84    | Sqm |

| S.N. | PARTICULERS OF ITEMS  | Quantity | UOM |
|------|---|----------|-----|
| 16   | 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:<br>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) | 70.20    | Sqm |
| 17   | Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.<br>On new work (two or more coats)  | 75.94    | Sqm |
| 18   | Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint   | 9.54     | Sqm |
| 19   | For Electrification   | 10000    | LS  |

Assistant Engineer  
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