

# MUNICIPAL CORPORATION OF BHILAI


NIT

वार्ड क्र. 44 लक्ष्मीनारायण नगर में शासकीय स्कूल के पास मंच निर्माण कार्य। (पार्षद निधि)


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

| S.N. | PARTICULERS 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.  | 26.60    | 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).   | 3.35     | 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).  | 7.322    | Cum |
| 4    | Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 1:1 ½ :3 (1 cement : 1 ½ coarse sand : 3 graded stone aggregate 20mm nominal size)<br>+ 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: | 11.326   | Cum |
| 5    | 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:<br>Thermo-Mechanically treated bars  | 1864.80  | Kg  |
| 6    | 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.   | 29.16    | Sqm |
| (B)  | Columns, Pillars, Piers and likes- rectangular or square in shape  | 29.40    | Sqm |
| (C)  | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)  | 44.46    | Sqm |
| 7    | 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.  | 19.80    | 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)  | 3.43     | 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)<br>+Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:  | 17.20    | Cum |
| 10   | Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work  | 0.25     | Cum |
| 11   | Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)  | 44.46    | Sqm |
| 12   | Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)   | 70.00    | Sqm |
| 13   | Providing and making 15mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)   | 80.00    | Sqm |
| 14   | 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.<br>50 mm thick  | 38.38    | Sqm |
| 15   | Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), 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.<br>Size 600x600mm  | 40.53    | Sqm |

| S.N. | PARTICULERS OF ITEMS  | Quantity | UGM |
|------|---|----------|-----|
| 16   | 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                  | 17.64    | Sqm |
| 17   | 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 | 10.50    | Sqm |
| 18   | 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.   | 108.00   | Kg  |
| 19   | 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.  | 258.00   | Kg  |
| 20   | Painting exterior surface with SMOOTH exterior emulsion paint manufactured with th cow dung processing 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)   | 80.00    | Sqm |
| 21   | Wall painting with premium emulsion (plastic) manufactured with the cow dung processing emulsion paint of required shade to give an even shade.<br>On new work (two or more coats)  | 44.46    | Sqm |
| 22   | Distemping with acrylic washable distemper manufactured with the cow dung processig to give an even shade. On new work (Two or more coats)  | 70.00    | Sqm |
| 23   | Providing and applying 2mm thick ready mix exterior grade putty (Manufactured with cow dung processing) on walls to make the surface smooth and even.   | 194.46   | Sqm |
| 24   | Painting on new work (two or more coats) to give an even shade with:<br>Premium synthetic enamel paint  | 26.30    | Sqm |
| 25   | Add Extra For Electrification Work  | 23841.00 | LS  |

  
**Executive Engineer**  
Municipal Corporation  
Bhilai

  
**Assistant Engineer**  
Municipal Corporation  
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**Sub Engineer**  
Municipal Corporation  
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