

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 46 शास. प्राथमिक शाला, दुर्गा मंदिर खुर्सीपार का जीर्णोद्धार कार्य।

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

| S.N. | PARTICULERS OF ITEMS | Quantity | UOM |
|------|---|----------|------|
| 1 | Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead. | 1.50 | Cum |
| 2 | Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar. | 5.40 | Cum |
| 3 | Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead. | 2.00 | Each |
| 4 | Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead. | 5.00 | Each |
| 5 | 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. | 64.00 | Sqm |
| 6 | 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). | 30.73 | Cum |
| 7 | 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 | 2045.90 | Kg |
| 8 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) | 57.10 | Sqm |
| 9 | 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) | 6.08 | Cum |
| 10 | Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand) | 40.00 | Sqm |
| 11 | Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand) | 111.80 | Sqm |
| 12 | 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. | 420.00 | 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. | 483.00 | Kg |
| 14 | Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete. SS Grade 204 | 30.00 | Kg |
| 15 | 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. | 37.00 | Sqm |
| 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. | 27.84 | Sqm |
| 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. | 79.60 | Sqm |

| S.N. | PARTICULERS OF ITEMS | Quantity | U.O. |
|------|---|----------|------|
| 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 Pigment Coloured (rubber mould) precast interlock concrete blocks | 250.00 | Sqm |
| 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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | 2.48 | Cum |
| 20 | 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. | 40.20 | Cum |
| 21 | 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 old work (One or more coats applied @ 0.83 ltr/ 10 sqm) | 1331.50 | Sqm |
| 22 | Distemping with acrylic washable distemper to give an even shade. On old work (one or more coats) | 1706.80 | Sqm |
| 23 | Distemping with acrylic washable distemper to give an even shade. On new work (Two or more coats) | 294.39 | Sqm |
| 24 | Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint | 46.24 | Sqm |
| 25 | Painting on Old work (two or more coats) to give an even shade with: Satin synthetic enamel paint | 250.00 | Sqm |
| 26 | 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 |
| 27 | Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design. | 2.00 | each |
| 28 | 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 | 26.50 | Sqm |
| 29 | 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. | 57.30 | Cum |
| 30 | 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). | 7.91 | Cum |
| 31 | 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: | 17.01 | Cum |
| 32 | 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. | 112.40 | Sqm |
| 33 | Columns, Pillars, Piers and likes- rectangular or square in shape | 14.40 | Sqm |
| 34 | Beams, lintels, cantilevers & walls | 12.80 | Sqm |
| 35 | Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand) | 113.08 | Sqm |
| 36 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement mortar 1:5 (1 cement : 5 fine sand) | 101.76 | Sqm |
| 37 | Neat cement punning | 16.00 | Sqm |
| 38 | 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. | 30.00 | Kg |
| 39 | Carriage by mechanical transport for 5 km lead. Earth | 14.40 | Cum |

| S. No. | PARTICULARS OF ITEMS | Quantity | UOM |
|--------|---|----------|-----|
| 40 | 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. | 20.00 | Cum |
| 41 | Columns, beams & walls- circular or any other geometrical shape other than square and rectangular in all sizes | 13.44 | Sqm |
| 42 | 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) | 120.00 | Sqm |
| 43 | Add 10% For Electrification & Sanitation Work (As Per SOR) | 31460.00 | L-S |



Executive Engineer
Municipal Corporation
Bhilai



Assistant Engineer
Municipal Corporation
Bhilai



Sub Engineer
Municipal Corporation
Bhilai