

# MUNICIPAL CORPORATION OF BHILAI

N.I.T.

कार्य का नाम :- शासकीय पूर्व माध्यमिक शाला सेक्टर-11 खुर्सीपार भिलाई में शौचालय निर्माण कार्य।

(As Per PWD Building SOR 10.06.2026 & Electric SOR 10.06.2026)

| Sy No | Item Code | Particular                                                                                                                                                                                                                                                       | No | L    | B     | H/d  | QTY    | UNIT |
|-------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-------|------|--------|------|
| 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.     |    |      |       |      |        |      |
|       | 1.1.1     | In all types of soils.                                                                                                                                                                                                                                           |    |      |       |      |        |      |
|       |           |                                                                                                                                                                                                                                                                  | 4  | 1.20 | 1.20  | 1.50 | 8.64   |      |
|       |           |                                                                                                                                                                                                                                                                  | 1  | 8.00 | 0.30  | 0.30 | 0.72   |      |
|       |           |                                                                                                                                                                                                                                                                  |    |      |       |      | 9.36   | cum  |
| 2     | 3.1       | 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.                                                                                             |    |      |       |      |        |      |
|       | 3.1.2     | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).                                                                                                                                                                                   |    |      |       |      |        |      |
|       |           |                                                                                                                                                                                                                                                                  | 4  | 1.20 | 1.20  | 0.12 | 0.69   |      |
|       |           |                                                                                                                                                                                                                                                                  | 1  | 8.00 | 0.30  | 0.08 | 0.19   |      |
|       |           |                                                                                                                                                                                                                                                                  | 1  | 2.00 | 3.00  | 3.00 | 18.00  |      |
|       |           |                                                                                                                                                                                                                                                                  |    |      |       |      | 18.88  | cum  |
| 3     | 3.2       | 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. (Note :Excess/ less cement used as per design mix is payable/ recoverable separately). |    |      |       |      |        |      |
|       | 3.2.1     | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).                                                                                                                                                                                 |    |      |       |      |        |      |
|       |           | column                                                                                                                                                                                                                                                           | 4  | 1.20 | 1.20  | 0.15 | 0.86   |      |
|       |           |                                                                                                                                                                                                                                                                  | 4  | 0.60 | 0.75  | 0.45 | 0.81   |      |
|       |           | Ground Beam                                                                                                                                                                                                                                                      | 1  | 8.00 | 0.20  | 0.30 | 0.48   |      |
|       |           | Slab                                                                                                                                                                                                                                                             | 1  | 2.60 | 2.60  | 0.12 | 0.78   |      |
|       |           | Column                                                                                                                                                                                                                                                           | 4  | 0.20 | 0.20  | 2.70 | 0.43   |      |
|       |           |                                                                                                                                                                                                                                                                  | 4  | 0.20 | 0.20  | 0.80 | 0.13   |      |
|       |           |                                                                                                                                                                                                                                                                  |    |      |       |      | 3.49   | cum  |
| 4     | 3.12      | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending etc. complete as per drawing including cost of binding wire. All complete.                                                                             |    |      |       |      |        |      |
|       | 3.12.1    | Thermo-Mechanically treated bars FE 415                                                                                                                                                                                                                          |    |      |       |      |        |      |
|       |           |                                                                                                                                                                                                                                                                  |    | 3.49 | 60.00 |      | 209.48 | kg   |
| 5     | 2.1       | Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:                                                                                                  |    |      |       |      |        |      |
|       | 2.1.1     | Foundations, footings, base of columns and plinth beam in any shape and size.                                                                                                                                                                                    |    |      |       |      |        |      |
|       |           |                                                                                                                                                                                                                                                                  | 4  | 4.00 | 0.20  | 1.45 | 4.64   |      |
|       |           |                                                                                                                                                                                                                                                                  | 2  | 8.00 | 0.30  |      | 4.80   |      |
|       |           |                                                                                                                                                                                                                                                                  |    |      |       |      | 9.44   | sqm  |
|       | 2.1.5     | Columns, Pillars, Piers and likes- rectangular or square in shape                                                                                                                                                                                                |    |      |       |      |        |      |



|    |        |                                                                                                                                                                                                                                                                                                                                   |    |      |      |       |       |     |
|----|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|-------|-------|-----|
|    |        |                                                                                                                                                                                                                                                                                                                                   | 4  | 0.80 | 2.80 |       | 8.96  | sqm |
|    | 2.1.7  | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)                                                                                                                                                                                                                                   |    |      |      |       |       |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 2  | 8.00 | 0.20 |       | 3.20  |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 1  | 2.60 | 2.60 |       | 6.76  |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   |    |      |      |       | 9.96  | sqm |
| 6  | 7.5    | Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to S:12894-2002 of class designation 4.0 in foundation and plinth in:                                                                                                                                                                                        |    |      |      |       |       |     |
|    | 7.5.4  | Cement Mortar 1:6 (1 cement : 6 coarse sand)                                                                                                                                                                                                                                                                                      |    |      |      |       |       |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 1  | 8.00 | 0.20 | 0.50  | 0.80  |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   |    |      |      |       | 0.80  | cum |
| 7  | 7.6    | 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: |    |      |      |       |       |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 1  | 8.00 | 0.20 | 2.80  | 4.48  |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | -2 | 0.75 | 0.20 | 2.10  | -0.63 |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   |    |      |      |       | 4.48  | cum |
| 8  | 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.                                                                                                           |    |      |      |       |       |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 1  | 6.50 | 9.00 | 0.30  | 17.55 |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 1  | 2.00 | 2.00 | 0.60  | 2.40  |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   |    |      |      |       | 19.95 | cum |
| 9  | 3.13   | 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 formwork                                                                                                                                      |    |      |      |       |       |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 1  | 8.00 | 0.20 | 0.05  | 0.08  | sqm |
| 10 | 9.13   | Providing and fixing steel door 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..                                  |    |      |      |       |       |     |
|    |        | as per 20kg/sqm                                                                                                                                                                                                                                                                                                                   | 1  | 0.75 | 2.10 | 20.00 | 31.50 |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   |    |      |      |       | 31.50 | kg  |
| 11 | 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 of red oxide zinc chromate primer..                                                                                                                        |    |      |      |       |       |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 1  | 0.60 | 0.45 | 10.00 | 2.70  | kg  |
| 12 | 11.1   | Providing and making 6mm thick cement plaster of mix:                                                                                                                                                                                                                                                                             |    |      |      |       |       |     |
|    | 11.1.2 | In Cement Mortar 1:4 (1 cement : 4 fine sand)                                                                                                                                                                                                                                                                                     |    |      |      |       |       |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   | 1  | 2.00 | 2.00 |       | 4.00  |     |
|    |        |                                                                                                                                                                                                                                                                                                                                   |    |      |      |       | 4.00  | sqm |
| 13 | 11.2   | 12mm thick cement plaster of mix:                                                                                                                                                                                                                                                                                                 |    |      |      |       |       |     |
|    | 11.2.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand)                                                                                                                                                                                                                                                                                     |    |      |      |       |       |     |

|    |         |                                                                                                                                                                                                                                                                                                                                                                                             |   |      |      |  |       |     |
|----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|------|--|-------|-----|
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             | 1 | 8.00 | 2.90 |  | 23.20 | sqm |
| 14 | 11.3    | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:                                                                                                                                                                                                                                                                                       |   |      |      |  |       |     |
|    | 11.3.4  | In Cement Mortar 1:6 (1 cement : 6 fine sand)                                                                                                                                                                                                                                                                                                                                               |   |      |      |  |       |     |
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             | 2 | 2.40 | 3.00 |  | 14.40 |     |
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             | 2 | 2.40 | 3.00 |  | 14.40 |     |
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             |   |      |      |  | 28.80 | sqm |
| 15 | 12.74   | Providing and fixing rectified glazed ceramic Floor tiles of 1st quality C81 conforming to IS : 15622-2017 of approved make, in all colours, shades over 20mm 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.                                       |   |      |      |  |       |     |
|    | 12.74.1 | Size 300x300mm thickness 7 to 8 mm                                                                                                                                                                                                                                                                                                                                                          |   |      |      |  | 4.00  |     |
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             | 1 | 2.00 | 2.00 |  | 4.00  | sqm |
| 16 | 12.7    | 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 pointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.                                                     |   |      |      |  |       |     |
|    | 12.7.2  | Size above 200x300mm                                                                                                                                                                                                                                                                                                                                                                        | 1 | 8.00 | 2.80 |  | 22.40 |     |
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             |   |      |      |  | 22.40 | sqm |
| 17 | 14.62   | Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit ..... door, indows, floor and surface as required with all tools tackles and labour complete for the work.                                                                                                                                                 |   |      |      |  |       |     |
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             | 1 | 2.00 | 2.00 |  | 4.00  |     |
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             |   |      |      |  | 4.00  | sqm |
| 18 | 14.64   | Providing and applying Premium plastic emulsion paint with roller application minimum three coats applied @ 0.75 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -I Class D & C ( Glossy and Semi Glossy Finish) .....cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work.(with 3 year Warranty) |   |      |      |  |       |     |
|    |         |                                                                                                                                                                                                                                                                                                                                                                                             | 1 | 8.00 | 3.10 |  | 24.80 | sqm |

Executive Engineer  
Municipal Corporation  
Bhilai

Assistant Engineer  
Municipal Corporation  
Bhilai

Sub Engineer  
Municipal Corporation  
Bhilai

