

# MUNICIPAL CORPORATION OF BHILAI

## NIT

जोन क्र. 05, क्षेत्रांतर्गत विभिन्न वार्डों में मतदान केन्द्रों का संधारकार्य।

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

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.	0.45	Cum
2	Demolishing cement concrete including disposal of material within 50 metre lead. 1:4:8 or leaner mix	0.25	Cum
3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.	1.50	Cum
4	In cement mortar.		
4	Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	5	Each
5	Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead..	5	Each
6	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.	16.88	Cum
	In all types of soils.		
7	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.	1.69	Cum
	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).		
8	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.	1.688	Cum
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
9	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	118.13	Kg
10	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.	4.50	Sqm
(B)	Beams, lintels, cantilevers & walls		
(C)	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	12.00	Sqm
		12.00	Sqm
11	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.	9.38	Cum
12	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
13	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:	3.30	Cum
14	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)		
15	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	50.00	Sqm
16	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)	50.00	Sqm
17	Providing and fixing 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5mm thick heat moulded PVC 'C' channel----- strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per Manufacturer's specification including 3 nos ISI marked stainless steel hinges of size 100x58x1.9 mm complete. (for W.C. and bathroom door shutter). PVC door shutter	100.00	Sqm
		7.50	Sqm



S.N.	PARTICULARS OF ITEMS	Quantity	UOM
18	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.	26.70	Kg
19	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.	51.48	Kg
20	Providing stainless steel railings/ 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	120.00	Kg
21	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 Size upto 300x300mm	9.00	Sqm
22	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12mm 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 Size upto 200x300mm	20.00	Sqm
23	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.	20.00	Sqm
24	Chequered precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tile including cleaning of joint etc complete on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) : Dark shade using ordinary cement	15.00	Sqm
25	Carriage by mechanical transport upto 5 km lead: Earth	30.00	Cum
26	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.	15.00	Cum
27	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 : On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over) On old Work (One or more coats applied @ 0.83 ltr/ 10 sqm)	150.00	Sqm
28	Distempering with acrylic washable distemper manufactured with the cow dung processig to give an even shade. On new work (Two or more coats) On old work (Two or more coats)	200.00	Sqm
29	Painting on old work (two or more coats) to give an even shade with: Satin synthetic enamel paint	100.00	Sqm
30	Providing and applying 2mm thick ready mix exterior grade putty (Manufactured with cow dung processing) on walls to make the surface smooth and even.	35.00	Sqm
31	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	40.00	Sqm
32	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. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	4.50	Cum
33	NON SOR. Slogan/Wall Writing	1000.00	Sqft.
34	Add Extra For Electrification Work	32971.00	LS
35	Add extra For Sanitation Work	32971.00	LS

Assistant Engineer  
Municipal Corporation  
Bhilai

  
Sub Engineer  
Municipal Corporation  
Bhilai