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## MUNICIPAL CORPORATION OF BHILAI

NIT

कार्य का नाम :- जोन क्रमांक 03 अंतर्गत वार्ड क्रमांक 37 सब्जी मंडी सुलभ शौचालय का संचारण कार्य।

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

S.N.	PARTICULARS OF ITEMS	QTY	UOM
1	Demolishing cement concrete including disposal of material within 50 metre lead. 1:3:6 or richer mix	0.48	Cum
2	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.	0.41	Cum
3	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 100 mm diameter	4.00	m
4	Providing and constructing brick masonry road gully chamber 50x45x60cm with well burnt modular clay bricks crushing strength not less than 35kg/cm <sup>2</sup> in cement mortar 1:4 (1 cement : 4 coarse sand) including 500 x 450 mm precast R.C.C. horizontal grating with frame complete as per standard design.	1.00	No.
5	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete 150mm thick as per standard design: 100 mm diameter S.W. pipe	4.00	m
6	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 mm thick	6.00	Sqm
7	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.	50.00	Kg
8	Providing and fixing steel door made of angle iron of suitable sizes with M.S. grill of approved pattern made of M.S. flats or square or round bars coat of red oxide zinc chromate primer.	50.00	Kg
9	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. 110 mm dia	10.00	M
	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. 110 mm dia	2.50	M
10	Neat Cement punning.	20.00	Sqm
11	Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lead : Thickness upto 15mm	14.00	Sqm
12	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).	0.30	Cum
13	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.	1.00	Each
14	Providing and fixing in position precast R.C.C. manhole cover and frame L D- 2.5 of required shape and approved quality 20.15.1 Rectangular shape 600x450mm internal dimensions	1.00	each
15	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)	0.40	Cum
16	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.	1.00	Sqm

17	Providing and replacing broken floor tile with ceramic glazed floor tiles conforming to IS : 16622 of approved size, make, colour, shade laid on 20 mm thick Comont Mortar 1:4 (1 comont : 4 coarse sand) including removing the broken tile and mortar, pointing the joints with white cement mixed with matching pigment etc., complete.	1.00	Sqm
18	Providing and applying plaster of paris putty over plastered wall surface including scaffolding complete upto 2 mm thickness to make surface even and smooth in line and level.	20.00	Sqm
19	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)	380.00	Sqm
20	Providing and replacing broken vitreous china water closet squatting pan (Indian type) including removing the broken squatting pan and mortar, cutting and making good the walls and floors wherever required: while long pattern w c pan	1.00	Each
21	Providing and fixing vitreous china wash basin with C.I. brackets, 32mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :White Size 550x325 mm	1.00	Each
<b>WATER SUPPLY WORKS</b>			
22	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 15 mm nominal outer dia .Pipes.	25.00	m
	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 25 mm nominal outer dia .Pipes.	5.00	m
23	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams)	12.00	No
24	Add Extra For Electrical and sanitary Work 15 %	1.00	Job

सहायक अभियन्ता  
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उप अभियन्ता  
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