

MUNICIPAL CORPORATION BHILAI (C.G.)

NIT

कार्य का नाम :- मुख्य कार्यालय में विभिन्न संधारण कार्य।

Sa	Description and details of work	unit	Nos	L	B	H	Qty		
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.	Cum							
	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size)		1	2.5		0.80	2		
			1	2.5		1.00	2.5		
			1	1.2		0.80	0.96		
							5.46		
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.	Cum							
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)		3	10	3	0.01	1.5		
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.	Cum							
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)								
	Column		8	0.2	0.2	2.1	0.672		
	Beam		4	7.5	0.2	0.2	1.2		
							1.872		
4	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 in foundation and plinth all complete.								
	Thermo-Mechanically treated bars FE 415	kg	1				10		
5	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to Cement Mortar 1:6 (1 cement : 6 coarse sand)	Cum							
	Account Toilet		1	3	0.2	3	1.8		
			2	1	0.2	3	1.2		
	Tahshildar Toilet		2	2.5	0.2	3	3		
			2	1.5	0.2	3	1.8		
	project cell		4	1.8	0.2	2.4	3.456		
						11.256			
6	Providing and making 12mm thick cement plaster of mix in Cement Mortar 1:6 (1 cement : 6 fine sand)	Sqm							
			2	3	3	18			
			4	1	3	12			
			4	2.5	3	30			
			4	1.5	3	18			
			8	1.8	2.4	34.56			
						112.56			
7	Providing and fixing factory made UPVC door frame made of UPVC profile section having an overall dimension as below (tolerance ± 1mm) with wall thickness 2.0mm ± 0.2mm, corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and 1mm ± 0.1mm wall thickness and 3 nos stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge.								
	Extruded section Profile size 48x40 mm.	meter	1				4.5		
8	Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and jointed at the corners by means of M.S. galvanized plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws.								
	24 mm thick door shutters with styles and rails of size 59x24 mm	Sqm	2	2.1		0.9	3.78		
9	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, tamping and sweeping etc. complete of minimum compressive strength of 250 kg/sq cm								
	Pigment Coloured (rubber mould) precast interlock concrete blocks	Sqm	1	20		4	80		

10	Supply and fixing of precast galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gm as per IS: 277 in 2 nd impa steel grade, 5-7 microns epoxy primer on both side of the sheet and poly-ester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (3.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumes and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
		Sqm	2	6	4		48		
			1	2.1	2.1		4.41		
							52.41		
11	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.	each							
	White						5		
	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :	each							
	White Size 550x450 mm						5		
	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.	each							
	32 mm dia						20		
	Providing and fixing UV stabilized Unplasticized -PVC pipe clips of approved design to rigid PVC pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.	each							
	110 mm						30		
12	Wall paintline with acrylic premium emulsion (elastic) paint of required								
	On new work (two or more coats)	Sqm					500		
	On old work (one or more coats)						1000		
13	Repairs to plaster in patches of area 2.5 sq. metres and under including								
	Thickness upto 15mm	Sqm					250		
14	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:	each							
	8lb cock (400 grams)						20		
15	Providing and fixing on wall surface 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings including fixing the pipe with clamps at 1.00 m spacing, testing of joints complete.	metre							
	PN - 16 Pipe, 20 mm OD	metre					50		
16	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer.								
	Electric resistance or induction butt welded tubes Grade-250	kg					50		
17	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 above 300x300mm		2	2	2		8		
		Sqm	2	1	1		2		
			1	2.5	1		2.5		
							12.5		
18	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.	Cum	8	0.3	0.3	0.6	0.432		

Executive Engineer
Municipal Corporation
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Assistant Engineer
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