

# MUNICIPAL CORPORATION BHILAI (C.G.)

## NIT

Name of work :- वार्ड कं. 69 हास्पिटल सेक्टर 09 सडक 09 एवं 10 के मध्य डोम शेड निर्माण एवं बोर खनन कार्य।

S.NO	PARTICULAR	Q	U
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. In all types of soils.	134.25	CUM
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size)	6.47	CUM
3	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	19.92	CUM
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	1593.60	kg
5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, base of columns and plinth beam in any shape and size.	30.80	SQM
6	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 Vertical tubular post 200 mm medium plate in post structural Steel truss purlin & bracing Nut Bolt, Plate & miscellaneous 10%	5005.23	kg
7	Supply and fixing of pre-coated 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 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. ....s of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen 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.	453.75	sqm
8	Extra for providing and fixing wind ties of 40x6mm flat iron section.	72.00	rm
9	Applying priming coat on steel work with red oxide zinc chromate primer	200	Sqm.
10	Painting on new work (two or more coats) to give an even shade with Aluminium paint	200	Sqm.
11	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layer	60.00	CUM
12	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm.	88.00	each

13	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/strainer pipe, by suitable method prescribed in IS:2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, plants & machineries required for the job, all complete as per direction of Engineer-in-charge upto 90 metre depth below ground level		
	all types of soil		
	R150 mm dia.	25.00	Rmt.
	Rocky strata including Boulders.		
	150 mm dia	75.00	Rmt.
14	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge beyond 90 metre & upto 150 metre depth below ground level. Rocky strata including Boulders. 150MM DIA	20.00	Rmt.
15	Supplying, assembling, lowering and fixing in vertical position in bore well, ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per IS: 1239 (Part-1&Part-2) 1992 with IVth revision (Up-to-date amendments), of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in charge. 150 mm nominal dia	20.00	Rmt.
16	Development of tube well in accordance with IS :2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tube well, all complete, including hire & labour charges of air compressor, tools & accessories etc. all as per requirement and direction of Engineer-in -charge.	5.00	hour
17	providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of: 150mm nominal size dia	1.00	each
18	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tubewell within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs, (only successful point is payable)	1.00	each
19	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:	1.00	each
	25 mm dia. nominal bore	49.00	Rmt
	20 mm dia. nominal bore	21.00	Rmt
	15 mm dia. nominal bore	40.00	Rmt

  
 EXECUTIVE ENGINEER  
 MUNICIPAL CORPORATION  
 BHILAI

  
 ASSISTANT ENGINEER  
 MUNICIPAL CORPORATION  
 BHILAI

  
 SUB ENGINEER  
 MUNICIPAL CORPORATION  
 BHILAI