

MUNICIPAL CORPORATION BHILAI (C.G.)

NIT

कार्य का नाम :- ई 04 कृष्णा नगर शासकीय पूर्व मा.शाला का संधारण कार्य।

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

S.No.	Description and details of work	Qty.	Unit
1	Brick work with modular well burnt (open bhatta) clay bricks of crushing strength not less than 20 kg/sqcm and water absorption not more than 25% in foundation and plinth in: 7.4.1 Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)	15.00	Cum
2	Providing and replacing broken floor tile with 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 removing the broken tile and mortar, pointing the joints with white cement mixed with matching pigment etc., complete. 17.2.1 Size 300x300mm	162.00	Sqm
3	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.	610.00	Kg
4	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)	350.00	Sqm
5	Providing and applying 2mm thick ready mix exterior grade approved make putty (manufactured with cow dung processing) on walls to make the surface smooth and even.	404.20	Sqm
6	Painting exterior surface with SMOOTH exterior emulsion paint manufactured with cow dung 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)	2126.60	Sqm
7	Wall painting with premium emulsion (plastic)manufactured with cow dungprocessing emulsion paint of required shade to give e an even shade On new work (two or more coats)	328.70	Sqm
8	Painting on old work (one or more coats) to give an even shade with: 14.23.1 Satin synthetic enamel paint	300.00	Sqm
9	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. 12.3.1 40 mm thick	162.00	Sqm
10	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well 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 hotographs. (only successful point is payable)	1.00	Point
11	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 iffereent 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 ngnieer-in-charge upto 90 metre depth below ground level.	25.00	Mtr
	150 MM Dia	65.00	Mtr

S.No.	Description and details of work	Qty.	Unit
12	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-I&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.	25.00	Mtr
13	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 down 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.	6.00	Hors
14	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:	1.00	Each
15	Providing ISI Mark 32 mm dia G.I. (B class) riser pipe and M.S. plunger rod in 3 meter length socketed on one end as per IS: 1239 (Part I) 1990 with up to date amendments and socket as per IS: 2062/1990 up to date amendments.	30.00	Mtr
16	Supplying, installation esting and commissioning of submersible pump set for water supply system with submersible motor directly coupled to multi-stage submersible pump of specified discharge capacity head, delivery size in existing bore well including 2 set of suitable size holding clamps made out of 50mm*6mm MS flat with suitable submersible cable of standard length.	1.00	Each
17	Supply estalation testing and commissioning 1-3 Hp 1 phase submersible motorstarter cum control wall/floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgear of there in including connection inter connection etc as required. a phase including lamps with fuses and toggle switches 1 set b.1/2/3 Hp 1 phase DOL staeter with over loadand no volt relay 1 no c. 25 A C curve DPMCB 1 NO D. ammeter 0--A	1.00	Each
18	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.	15.00 150.00	Mtr
19	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, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks	415.00	Sqm



Asstt. Engineer
Municipal Corporation
Bhilai (C.G)



Sub. Engineer
Municipal Corporation
Bhilai (C.G)