MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 38 राम्हेपुर क्षेत्र में पाईप लाईन विस्तार सह बोरवेल खनन कार्य।

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

SN	PARTICULERS OF ITEMS	QTY.	UNIT
1	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 photographs. (only successful point is payable)	1.00	Point
2	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 upto 90 metre depth below ground level.		
	All types of soil 150 mm nominal dia	25.00	Metre
	Rocky strata including Boulders 150 mm nominal dia	65.00	Metre
3	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.**	15.00	Metre
4	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	26.00	Metre
5	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 ----- hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Eng.-in-charge.	4.00	Hrs
6	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: 150 mm nominal dia	1.00	Each
7	**Electrical SOR 01.06.2020** Supplying, installation, testing 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 sets of suitable size holding clamps made out of 50 mm X 6 mm MS flat, connection with suitable submersible cable of standard length etc. as per specification and IS: 694 (2010). **5.0 HP, three phase**	1.00	Each
8	Supply, installation, testing and commissioning of 5-7.5 HP 3 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as per specification. a) Phase indicating lamps with fuses and toggle switches 1 set b) 5/7.5 HP 3 phase DOL starter with over load and no volt relay 1 No c) 32 A "C" curve TPMCB 1 No d) Voltmeter 0-500 V with selector switch 1 set e) Ammeter 0-10 A with CT's and selector switch 1 set.	1.00	Each
9	Providing following size ISI marked FR PVC insulated , PVC sheathed, 3 core submersible copper conductor wire and IS: 694 (2010) 2.5 sq. mm	70.00	Metre
10	Supplying and fixing of following sizes 'B' class G I pipe with all necessary Tee's, bends, sockets in the suction/ delivery line including cutting and threading etc. as per specification. 25 mm dia.	25.00	Metre

SN	PARTICULERS OF ITEMS	QTY.	UNIT
11	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete:		
a	50 mm dia. nominal bore	100.00	Metre
b	40 mm dia. nominal bore	50.00	Metre
c	25 mm dia. nominal bore	60.00	Metre
d	20 mm dia. nominal bore	30.00	Metre
e	15 mm dia. nominal bore	30.00	Metre
12	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):		
a	50 mm dia. nominal bore	4.00	Each
b	40 mm dia. nominal bore	4.00	Each
c	25 mm dia. nominal bore	5.00	Each
13	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc. complete:		
a	50 mm dia. nominal bore	6.00	Each
b	40 mm dia. nominal bore	6.00	Each
c	25 mm dia. nominal bore	5.00	Each
14	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams)	35.00	Each
15	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	2000.00	Litre
16	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.	3.60	Cum
17	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).	0.60	Cum
18	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)	3.96	Cum
19	Providing & Laying damp proof course (up to 50mm thick) with plain cement concrete 1:2:4 including formwork.	0.66	Cum
20	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.	4.41	Cum
21	Providing and making 12mm 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)	14.25	Sqm
22	Neat Cement punning	14.25	Sqm

Executive Engineer
Municiapal Corporation
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Assistant Engineer
Municipal Corporation
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Sub Engineer
Municipal Corporation
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