MUNICIPAL CORPORATION OF BHILAI

N.I.T.

वार्ड 45 स्वामी आत्मानंद शासकीय इंग्लिश मिडियम स्कूल बालाजी नगर खुर्सीपार भिलाई में पेयजल व्यवस्था हेतु बोर खनन एवं पाईपलाईन कार्य।

(As Per PWD Building & Electrical SOR 10.06.2026)

S.N.	Item Code	PARTICULERS OF ITEMS	Quantity	UOM
1	1.1	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.		
	1.1.1	In all types of soils.		
			9.00	cum
2	19.9	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:		
	19.9.6	50 mm dia. nominal bore		
			40.00	Metre
	19.9.5	40 mm dia. nominal bore		
			50.00	Metre
	19.9.3	25 mm dia. nominal bore		
			50.00	Metre
3	19.16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):		
	19.16.4	50 mm dia. nominal bore		
			2	Each
	19.16.3	40 mm dia. nominal bore		
			2	Each
4	19.11	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc. complete:		
	19.11.6	50 mm dia. nominal bore		
			2	Each
	19.11.5	40 mm dia. nominal bore		
			2	Each
5	19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:		
	19.13.1	Bib cock (250 grams)		
			10	Each
6	21.17	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	Point
7	21.1	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.		
	21.1.1	All types of soil		
	21.1.1.2	125 mm dia.		
			23.00	Metre
	21.1.2	Rocky strata including Boulders.		
	21.1.2.2	125 mm dia.		
			60.00	Metre
8	21.5	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-todate amendments), of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in-charge.		
	21.5.2	125 mm nominal dia		
			30.00	Metre
9	21.1	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),.....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.		
			4.00	Hrs
10	21.11	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:		
	21.11.2	125 mm dia		
			1	Each
11	23.3	**Electrical SOR 10-06-2026** 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).		
	23.3.1	1.0 HP, single phase	1	Each

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S.N.	Item Code	PARTICULERS OF ITEMS	Quantity	UOM
12	23.11	Supply, installation, testing and commissioning of 1-3 HP 1 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) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No c) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set		
		1-3 HP	2	Each
13	23.14	Supplying, laying and fixing following size submersible cable along with GI/PVC/HDFC pipe line or laid in ground etc as per specification and IS: 694 (2010). Submersible cable should be rust proof, safe from oil / grease and under water chemical / Abrasion resistant.		
	23.14.2	3x2.5 sqmm		
			30.00	Metre
14	23.5	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.		
	23.5.7	25 mm dia.		
			30.00	Metre

Executive Engineer
Municiapal Corporation
Bhilai

Assistant Engineer
Municipal Corporation
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Sub Engineer
Municipal Corporation
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