

# MUNICIPAL CORPORATION OF BHILAI

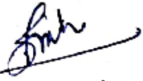
NIT

वार्ड क्र. 44 लक्ष्मीनारायण नगर, उड़िया मोहल्ला, गणेश मंच, गोकुल नगर, पंप हाउस लाईन, अंबेडकर चौक के विभिन्न स्थानों में जी.आई. पाईप लाईन विस्तार एवं बोरवेल खनन कार्य।

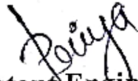
(As per PWD Building SOR 01.01.2015 & Electrical SOR 01.06.2020)

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
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	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.		
	Rocky strata including Boulders 150 mm nominal dia	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.	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	Each
7	<b>Electrical SOR 01.06.2020</b> 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). <b>5.0 HP, three phase</b>	1	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	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
9	Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification. IS: 1554 (1988, Part 1)/ IS: 7098 (1988, Part 1).	50.00	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
11	Demolishing cement concrete including disposal of material within 50 metre lead. 1:3:6 or richer mix	16.00	Cum

	PARTICULARS OF ITEMS	Quantity	UOM
12	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.	45.00	Cum
13	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:		
	50 mm dia. nominal bore	640.00	Metre
	40 mm dia. nominal bore	320.00	Metre
	32 mm dia. nominal bore	80.00	Metre
	25 mm dia. nominal bore	140.00	Metre
	15 mm dia. nominal bore	160.00	Metre
14	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):	10	Each
	50 mm nominal bore	6	Each
	40 mm nominal bore		
15	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc. complete:		
	50mm nominal bore	20	Each
	40 mm nominal bore	10	Each
16	Providing and fixing 15 mm nominal bore Brass bib/slop cock of approved quality: Bib cock (350 grams)	35	Each
17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	54.00	Cum



Executive Engineer  
Municipal Corporation  
Bhilai



Assistant Engineer  
Municipal Corporation  
Bhilai



Sub Engineer  
Municipal Corporation  
Bhilai