

# MUNICIPAL CORPORATION OF BHILAI

## NIT

वार्ड 38 शहीद वीर नारायण सिंह नगर हनुमान मंदिर के पास नलकूप खनन कर पाईप लाईन विस्तारीकरण कार्य।

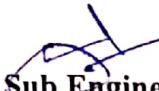
(As Per PWD Building SOR 01.01.2015 & Electric SOR 01.06.2020 & NON SOR ITEM)

S.N.	PARTICULERS 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)	2	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 125 mm nominal dia	22.50	Metre
	All types of soil 150 mm nominal dia	22.50	Metre
	Rocky strata including Boulders 125 mm nominal dia	35.00	Metre
	Rocky strata including Boulders 150 mm nominal dia	60.00	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 125 mm nominal dia	5.00	Metre
	Rocky strata including Boulders 150 mm nominal dia	10.00	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.		
	125 mm nominal dia	22.50	Metre
	150 mm nominal dia	22.50	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 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.	10.00	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:		
	125 mm nominal dia	1	Each
	150 mm nominal dia	1	Each
7	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:		
	25 mm dia. nominal bore	74.00	Metre
	15 mm dia. nominal bore	40.00	Metre
8	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams)	4	Each

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
9	<b>Electric 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 required.		
	1.5 HP, single phase	1	Each
	3.0 HP, three phase	1	Each
10	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing capping as required. 2 x 2.50 sq.	100.00	Metre
11	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 required. 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.	2	Each
12	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	443.00	Mtr.
	b) 40 mm dia. nominal bore	200.00	Mtr.
	d) 15 mm nominal bore	40.00	Mtr.
13	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (Dia of main line to be measured)		
	50 mm nominal bore	25	No.
14	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): a) 50mm. nominal bore.	10	No.
15	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality and weighting not less than 350 grams):Bib cock	30	No.
16	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc. complete:		
	50 mm nominal bore	25	No.
17	<b>Non Sor Item</b> laying only in trenches G.I. pipes medium class of various diameter with fittings including excavation of trenches, refilling the same and testing of joints complete:	300.00	Mtr.

  
Executive Engineer  
Municipal Corporation  
Bhilai

Assistant Engineer  
Municipal Corporation  
Bhilai

  
Sub Engineer  
Municipal Corporation  
Bhilai