

MUNICIPAL CORPORATION OF BHILAI
NIT

वार्ड क्र. 48 में महापौर निधि से क्रांति मार्केट, उड़िया बस्ती एवं एकता नगर में पाईप लाईन विस्तारीकरण एवं बोर खनन कार्य।

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

SN	PARTICULERS OF ITEMS	QTY.	UNIT
1	Demolishing cement concrete including disposal of material within 50 metre lead. 1:3:6 or richer mix	16.00	Cum
2	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
3	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	900.00	Metre
	40 mm dia. nominal bore	350.00	Metre
	32 mm dia. nominal bore	100.00	Metre
	25 mm dia. nominal bore	150.00	Metre
	15 mm dia. nominal bore	200.00	Metre
4	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):		
	50 mm dia. nominal bore	10	each
	40 mm dia. nominal bore	6	each
5	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
6	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (350 grams)	35	Each
7	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
8	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
9	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	50.00	Metre
	Rocky strata including Boulders 125 mm nominal dia	100.00	Metre
10	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	30.00	Metre

SN	PARTICULARS OF ITEMS	QTY.	UNIT
11	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.	52.00	Metre
12	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.	8.00	Hrs
13	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	2	Each
14	<u>Electrical SOR 01.06.2020</u> 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). 3.0 HP, three phase	2	Each
15	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	2	Each
16	Providing following size ISI marked FR PVC insulated , PVC sheathed, 3 core submersible copper conductor wire and IS: 694 (2010) 2.5 sq. mm	130	Metre
17	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.	40	Metre

Executive Engineer
Municipal Corporation
Bhilai


Assistant Engineer
Municipal Corporation
Bhilai

Sub Engineer
Municipal Corporation
Bhilai