## MUNICIPAL CORPORATION BHILAI (C.G.) DETAILED ESTIMATE

Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by itable 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  150MM DIA  2 Rocky strata including Boulder  150MM DIA  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 and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required forthe job, all complete as per direction of Engineer-in-charge beyond 90 metre & upto 150 metre depth below ground level.  150 mm dia.  150 mm dia.  150 mm dia.  150 mm dia.  150 mm dia 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-I & 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.  150mm nominal size dia  300 Rn  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	NIT ), 30, 18, 28, 23, 25 04 एवं 28 में बोर खनन कार्य।	-, -0, 1
Doring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by itable method prescribed in IS: 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  All types of soil  150MM DIA  2 Rocky strata including Boulder  150MM DIA  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 and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required forthe job, all complete as per direction of Engineer-in-charge beyond 90 metre & upto 150 metre depth below ground level.  150 mm dia.		Description and details of work
2 Rocky strata including boulder  150MM DIA  2 Rocky strata including boulder  150MM DIA  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 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 forthe job, all complete as per direction of Engineer–in-charge beyond 90 metre & upto 150 metre depth below ground level.  150 mm dia.  150 mm nominal size dia	0:	Doring/drilling hore well
2 Rocky strata including Boulder 150MM DIA 2 Rocky strata including Boulder 150MM DIA 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 forthe job, all complete as per below ground level.  150 mm dia. 150 mm nominal size dia	g samples from different strata, preparing and including hire & running charges of all	submitting strata chart/bore log, including hire & equipments, tools, plants & machineries required for the direction of Engineer—in-charges and the state of the
2 Rocky strata including Boulder 150MM DIA 2 Rocky strata including Boulder 150MM DIA 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 forthe job, all complete as per below ground level.  150 mm dia. 150 mm nominal size dia	and the contract of the contra	All types of coil
2 Rocky strata including Boulder  150MM DIA  720  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 forthe job, all complete as per below ground level.  150 mm dia.  150 mm dia.  150 mm dia.  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.  150mm nominal size dia  300 Rn  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		50MM DIA
Rocky strata including Boulder  150MM DIA  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 forthe job, all complete as per below ground level.  150 mm dia.  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.  150mm nominal size dia  300 Rn  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		- WALL DIA
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 forthe job, all complete as per below ground level.  150 mm dia.  150 mm nominal size dia	180 Rmt	Ocky strate in 1 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 forthe job, all complete as per below ground level.  150 mm dia.		50MM DIA
Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required forthe job, all complete as per below ground level.  150 mm dia.		JOININI DIA
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 required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.  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 providing and fixing sand fixing and fixing compressor, running the providing and fixing sand fixing in vertical position in bore well, ISI and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond compressor for required time till well is fully	720 Rmt	ovins /1 !!!
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 required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in-charge.  150mm nominal size dia  300 Rn  Development of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the compressor for required time till well is fully	ing samples from different strata, preparing eg, including hire & running charges of all	d submitting strata chart/bore log, including hire & uipments, tools, plants & machineries required forther fection of Engineer—in-charge beyond 90 metre & low ground level.
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 depths, as per direction of Engineer- in-charge.  150mm nominal size dia  300 Rn  Development of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the compressor for required time till well is fully		0 mm dia.
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 depths, as per direction of Engineer- in-charge.  150mm nominal size dia  300 Rn  Development of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the compressor for required time till well is fully	150 Rmt	
Development of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the  Devolution of the series of usable water yield without sand content (beyond compressor for required time till well is fully	Killt	
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 compressor for required time till well is fully  Providing and fixing suitable in the same statement of the sa	rt-1&Part-2) 1992 with IVth of reputed & approved make, including	sion (Up-to-date amendments), of reputed & appraired hire & labour charges, fittings & accessories ths, as per direction of Engineer- in-charge.
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 compressor for required time till well is fully  Providing and fixing suitable in the same statement of the same statement of the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit), with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit, with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit, with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit, with required capacity air compressor, running the same statement of tube well in accordance with IS: 2800 (part I) and IS: 11189, permissible limit, with required capacity air compressor, running the same statement of tube well accordance with IS: 2800 (part I) and IS: 11189, permissible limit, with required capacity air compressor, running the same statement of tube well accordance with IS: 2800 (part I) and IS: 2800 (part I) and IS: 2800 (part I) and		mm nominal size dia
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 compressor for required time till well is fully  Providing and fixing suitable.	300 Rmt	
compressor for required time till well is fully  Providing and fixing suitable.	Adit	elopment of tube well in accordance with to
Providing and fixing suitable size threaded mild steel cap or snot welded place	capacity air compressor, running the 50 hr	pressor for required time till well is fully
of the well nousing/ casing nine remarks.		iding and fixing suitable
to the top of bore well housing/ casing pipe, removable as per requirement, all 150mm nominal size dia	5 Pipe, removable as per requirement, all	olete for bore well of

7	Providing ISI Mark 32 mm dia G.I. (B class) riser pipe and M. plunger rod in 3 meter length socketed on one end as per IS: 1239 (Part I) 1990 with up to date amendments and socket as per IS: 2062/1990 up to date		
	Supplying, installation, testing and commissioning of submersible pump set for water supply system with submersible mater.	400	Rmt
8	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.1.5.0 HP, single phase	10	Each
9	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 required.  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	10	Each
.0	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.	500	Metre
	Supplying, laying and fixing following size submersible cable along with GI/PVC/HDFC pipe line or laid in ground etc as per specification 3x4.0sqmm	500	Metre

Assistant Engineer Nagar Nigam Bhilai

Sub Engineer Nagar Nigam Bhilai

## विषय – बोर खनन कार्य स्थल का विवरण

क.	स्थल का नाम	संख्या
1	वार्ड 10 सुपेला हनुमान मंदिर के पास	01 नग
2	वार्ड 33 केंप 02 विवेकानंद नगर शर्मा कॉलोनी सतनाम मंदिर के पास	01 नग
3	सेक्टर 05 सडक न. 35 गली में 💪	01 नग
4	वार्ड 30 प्रगति नगर के अंतर्गत एकता नगर शिव मंदिर के पास	01 नग
5	वार्ड 18 पुरानी बस्ती यादव कोचिंग सेंटर के पास	01 नग
6	वार्ड 28 प्रेम नगर सुखदेव टेंट हाउस के पीछे काली मंदिर के सामने	01 नग
7	वार्ड 23 हाउसींग बोर्ड EWS 1480-1600 के आस पास	01 नग
8	वार्ड 25 अंतर्गत 32 एकड कॉलोनी हाउसिंग बोर्ड	01 नग
9	वार्ड 04 नेहरु नगर मोर्केट खुर्सीपार	01 नग
10	वार्ड 28 बकरागली संग्राम चौक	01 नग

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