

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड-18 कान्फ्रेक्टर कॉलोनी में पुरानी बस्ती में बोर खनन कार्य।

As Per PWD Building SOR 10.06.2026 & ELECTRICAL SOR 10.06.2026

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
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. All types of soil 125 mm dia.	30.00	Metre
2	Rocky strata including Boulders. 125 mm nominal dia	40.00	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 --- 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 dia.	15.00	Metre
4	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	1.00	Each
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 aircompressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notchmethod or any other approved method, measuring static level & drawdown etc. by step drawdown method, collecting water samples & getting tested in approvedlaboratory, 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	Hour
6	Supplying, assembling, lowering and fixing in vertical position in bore well, slotted casing pipe made from ISI marked G.I. 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 (having slot of size 1.6/3.2 mm), of reputed and approved make, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge	30.00	Metre

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
7	Supplying, installation, testing and commissioning of submersible pump set for water supply system with submersible motor directly coupled to multistage 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). Submersible cable should be rust proof, safe from oil / grease and under water chemical / Abrasion resistant.	1.00	Each
8	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	1.00	Each
9	Supplying, laying and fixing following size submersible cable along with GI/PVC/HDPE 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	100.00	Metre
10	Supplying and fixing following dia HDPE pipe PE-80 Grade (8kg/sqcm) in single length in the suction/ delivery line of water supply pump etc. as per specification 32 mm outer dia	95.00	Metre



Asstt. Engineer
Municipal Corporation
Bhilai (C.G)

Sub. Engineer
Municipal Corporation
Bhilai (C.G)