

MUNICIPAL CORPORATION BHILAI (C.G.)

DETAILED ESTIMATE

Name of work :- पेयजल हेतु बोर खनन कार्य 01 नग सेक्टर 6 की मार्केट में बोर खनन सह पाईप लाईन विस्तारीकरण कार्य।

Description and details of work		ELEC SOR 2020 & Building SOR 01.01.2015							
		NO.	L	B	D	Qty.	Unit	Rate	Amount
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 1), 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								
		1	20			20	Rmt	339.00	6780
2	Rocky strata including Boulder								
	150MM DIA								
		1	22			22	Rmt	396.00	8712
3	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-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								
		1	20			20.00	Rmt	1,304.00	26080
4	Development of tube well in accordance with IS : 2800 (part 1) 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								
5	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:								
	150mm nominal size dia								
		1				1.00	each	217.00	217
6	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								
		1	55			55.00	Rmt	258.00	14190
	50 mm dia. nominal bore								
		1	51			51.00	Rmt	398.00	20298





16	12.3 Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. 2.3.1 40 mm thick	1	3.00	2.00	6.00	sqm	222.00	1332.00
17	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. 1.5.0 HP, single phase	1			1.00	Each	17633.00	17633.00
18	Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wali/ 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	1			1.00	Each	4125.00	4125.00
19	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.	1	76.00		76.00	Metre	231.00	17556.00
TOTAL								149754.30
SAY TOTAL								1.50lakh

Asstt. Engineer  
Municipal Corporation  
Bhilai(C.G.)

Sub Engineer  
Municipal Corporation  
Bhilai (C.G.)

तकनीकी अनुमोदन  
प्राक्कलन पंजी क्र. 346 दिनांक 15-07-22  
पेयजल हेतु बोर खनन कार्य 01 नग रोक्टर 6 को मार्केट में बोर  
खनन सह पाईप लाईन विस्तारीकरण कार्य।

प्राक्कलन राशि रु 1.50 लाख मात्र  
अक्षरी एक लाख पचास हजार रुपया मात्र  
का तकनीकी अनुमोदन किया जाता है।

Executive Engineer  
Municipal Corporation  
Bhilai(C.G.)