


Name of work :- पेयजल हेतु बोर खनन कार्य 01 नग सेक्टर 6 सतनाम भवन के पास बोर खनन कार्य।

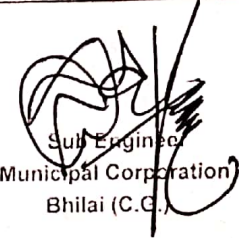
MUNICIPAL CORPORATION BHILAI (C.G.)
DETAILED ESTIMATE

ELEC SOR 2020 & Building SOR 01.01.2015

s.no.	Description and details of work	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 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	1	18			18	Rmt	339.00	6102
	150MM DIA	1	80			80	Rmt	396.00	31680
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-1&Part-2) 1992 with 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	19			19.00	Rmt	1,304.00	24776
4	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								
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 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 1) 1990 with up to date amendments and socket as per IS: 2062/1990 up to date amendment								
		1	21			21.00	Rmt	275.00	5775
7	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.)								
	below GB	1	10.00	0.20	0.50	5.00			
						5.00	cum	185.00	925.00
8	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
		1	8.00	0.40	0.10	0.32	cum		
						0.32	cum	2659.00	850.88

9	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. 12.3.1 40 mm thick	1	2.00	2.00	4.00	sqm	222.00	888.00	
10		1			1.00	Each	17633.00	17633.00	
11	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	1			1.00	Each	4125.00	4125.00	
12	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	30.00		30.00	Metre	231.00	6930.00	
TOTAL								99901.88	
SAY TOTAL								1.0lakh	


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


Sub Engineer
Municipal Corporation
Bhilai (C.G.)

तकनीकी अनुमोदन

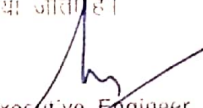
प्राक्कलन पंजी क्र. 336 दिनांक 7/7/2022

पेयजल हेतु बोर खनन कार्य 01 नंग सेक्टर 6 सतनाग भवन के पास बोर खनन कार्य।

प्राक्कलन राशि रु 1.00 लाख मात्र

अधारी एक लाख रु मात्र

का तकनीकी अनुमोदन किया जाता है।


Executive Engineer
Municipal Corporation
Bhilai(C.G.)