## MUNICIPAL CORPORATION BHILAI (C.G.)

Name	MUNICIPAL CORPORATION BHILAI (C.G.)
Wante of Wor	MUNICIPAL CORPORATION BHILAI (C.G.)  DETAILED ESTIMATE  र:- पेयजल हेतु बोर खनन कार्य 01 नग सेक्टर 6 की मार्केट में बोर खनन सह पाईप लाईन विस्तारीकरण कार्य।
	हतु बीर खनन कार्य 01 नग सेक्टर 6 के पार्टन में के
3	की नाकट में बार खनन सह पाईप लाईन विस्तारीकरण कार्य।

1		Description and details of work					ELEC	SOR 20	20 & Building	SOR 01.01.2015
		Boring/drilling bore well perfectly vertical for the specified depth suitable to receive	NO.	L	В	D	Qty.	Unit	Rate	Amount
The second second	1	specified depth suitable to receive required dia for casing/ strainer pipe, by itable method prescribed in 1S: 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			-	_	-		1	
		150MM DIA		-	<b>-</b>				- 1 M. 4	
			1	20		1	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-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 denths as per direction of Engineers in charge 150mm nominal size dia		20			20.00	Rmt	1,304.00	26080
		150mm nominal size dia				-	20,00			
	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.  Providing and fixing suitable size threaded mild								
5	,	steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement,								217
		all complete for bore well of: 150mm nominal size dia	1				1.00	each	217.00	217
6	- 1	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			1					
	1	testing of joints complete:	1	55			55.00	Rmt	258.00	14190
		25 mm dia. nominal bore		51			51.00	Rmt	398.00	20298
		50 mm dia. nominal bore	_'_	J1		-				100

T	Providing ISI Mark 32 mm dia G.I. ( B class) riser	$\neg \top$							1 147
	oipe and M. plunger rod in 3 meter length socketed	1.35		14				147 <b>4.</b>	
1	on one end as per IS: 1239 ( Part 1) 1990 with up to		9.					1	
- 10	date amendments and socket as per IS: 2062/1990 up		1						350
- 1	to date							1 1-41.	- 5
-	amendment		21			21.00	Rmt	275.00	57
-			- 41						76.7
	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		ž						
	of pits.(In all types of soils.)		70.00	0.20	0.50	35.00			
	below GB	1	70.00	0.20	0.50		cum	185.00	6475.00
						35.00	Cum		
9	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.					À			1000
		1	8.00	0.40	0.10	0.32	cum	2650.00	850.88
						0.32	cum	2659.00	030.00
10	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS 12894-2002 of class designation 4.0 in foundation and plinth in 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse		-						
	sand)		0.00	0.40	0.70	2.24	Cum	3263.00	7309.12
	(at all floor	1	8.00	0.40	0.70	2.24	Cum	3203.00	0 1 4
11	inlet, outlet and overflow pipes but without	1		1000.00		1000.00	ltr	7.30	7300.00
17	Providing and fixing 15 mm nominal bore Brass	15				15.00	each	185.00	2775.00
1	the earth or cutting of wall and making good the								
	same complete wherever required:	2.00	-	-		2.00	each	199.00	398.00
a	19.12.2 20 mm nominal bore.	2.00	-	-		2.00	each	200.00	400.00
b	19.12.3 25 mm nominal bore.	2.00		-					1
1	19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:					2.00	each	494.00	988.00
	10.14.6 Stop cock (concealed) (600 grams)	2.00			-	2.00	each		
	19.15 Providing and fixing stainless steel drain	3.00				3.00	each	51.00	153.00
	jali of approved make/quality.  3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level								
1	excluding cost of form work.	1	1	1					

12.3 Cement concrete flooring with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm) finished with a flating coat of neat cement.   3 1.40 mm thick   1   3.00   2.00   6.00   sqm   222.00   1332.00		12.3 Camour		un UVI	RHILA	I (C.G.	1 10/1		<b>拉克</b> 里克斯	7.4 Miles
with 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  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  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.	16	graded stone aggregate 20mm) finished with a						sqm	222.00	1332.00
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.  18 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  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.  TOTAL 149754.30	17	with 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					1.00	Each	17633.00	17633.00
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.  76.00 Metre 231.00 17556.00	18	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	1				1.00	Each	4125.00	4125.00
	19	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	1	76.00			76.00	Metre		
		and refilling the trench etc as required.								

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 क्ष्म मार्केट में बोर खनन सह पाईप लाईन विस्तारीकरण कार्य।

प्राक्कलन राशि रू 1.50 लाख मात्र अक्षरी एक लाख पचास हजार रूप्या मात्र का तकनीकी अनुमोदन किया जुनता है।

> Executive. Engineer Municipal Corporation Bhilai(C.G.)