

## Annexure-A/4

### Rough cost estimate for installing size 200mm dia Straight Tubewell upto 183 mtr. Depth including cost of Machinery, fittings etc. at Campus Water Works

S. No.	Description of Items	Qty. (approx)	Unit	Rate	Total Amt
1/28.85 B(a)	Drilling of 650mm dia bore with Reverse Rotary Rig in all kinds of soil including the cost of consumable sores, fuel, oil and transportation of Rig to the site. Complete in all respects.	150	Mtr.	914.50	137175.00
(b)	Drilling of 650mm dia bore with Reverse Rotary Rig beyond 300m Depth upto onward depth.	33	Mtr.	1189.50	39253.50
	Note: The above rates included the cost of electric logging which shall be carried.				
Note:1	Erection and dismantling boaring plant including all arrangement for the site of work from the store of contractor at site and back are to be made by the contractor at his own cost. All rates should be quoted for supplying the material at site of work. Pits for collection of water and water for drilling tube well be arranged by the firm/ contractor at site at his own cost.				
	In case the bore is converted into a tube well payment of bore shall be made upto the bail plug plus margin (7% of main bore drilling or as actual as per field requirement whichever is less) required for sustaining the main bore. The test bore beyond margin shall be paid at the rate of test bore drilling.				
2	Making electronic logging of bore hole with electric well logger including cost of equipment complete in all respects	1	Job	14043	14043.00
3/28.74 (A)	Supplying, lowering of MS Pipe as per IS: 1239/3589 including MS sockets having dimensions as per IS code duly welded with MS electrode to have extra strength to lower the pipe into tubewell bore.				
(c)	200mm nominal diameter (weight 33.6 kg per metre) 6.4 mm thickness	225	Mtr.	2437.00	548325.00
	ii) if any negative tolerance is there the recovery shall be made accordingly from the rates allotted to the agency				
4/28.75 (A)	Supplying, lowering of Stainless Steel Cage type wire wound screen as per IS:8110-2000 or latest with SS socket to connect Strainer to Strainer Duly welded with suitable grade S.S welding electrode to lower the strainer into tubewell bore.				
(b)	200mm internal diameter (slot size 0.15/0.20mm) 6.30 mm thickness	25	Mtr.	13740.00	343500.00
5/28.76 (c)	Supplying lowering of MS Special socket to connect SS Strainer to M.S. Pipe duly welded with suitable grade welding electrode complete in all respects. 200mm Internal Diameter	4	No	664.50	2658.00
6/28.79 (A)	Supplying and fixing of bail plug of M.S. Pipe complete with inverted U-hook attached to the bottom plug complete in all respects.				
(c)	200mm internal diameter (weight 41.6 kg per metre) 8 mm thickness	4	Mtr.	2189.50	8758.00
7/28.89	Supplying & fixing mild steel centering guides made out of	5	No	286.50	1432.50

	32mm x 6mm thick M.S. bar complete in all respects.				
8/28.80	Supplying and fixing of well cap having threads to fix on housing pipe complete in all respects.				
(c)	200mm internal diameter	1	No	715.50	715.50
9/28.77	Supplying and fixing M.S. Clamps of size 150mm x 12mm made out of MS Flat 1.52m long, suitable to fit Housing Pipe including the cost Nut & Bolts of Suitable size complete in all respects.	1	No	2807.00	2807.00
10/28.78	Supplying at site wooden box of suitable size with Lid & locking arrangement for preserving strata sample collected from the bore.	1	No	499.00	499.00
11/28.88	Supplying at quarry site of gravel of 1/16" to 1/8" sizes including pouring and packing in the annular space between the pipe assembly and the bore. The gravel should be free from, dust, dirt, or the vegetable matter as per IS 4097/1967 with latest amendments. (Rate including loading & unloading). Carriage from quarry site will be paid extra as per actual.	55	Cum	518.00	28490.00
12/28.81	Development and Stabilizing of the tubewell with air compressor of required capacity as directed by the engineer-in-charge including cost of tools, appliances & consumable to the satisfaction of Engineer-in-charge.				
a)	Capacity of Air compressor 300 cfm at 250 PSI	20	Hrs.	2089.00	41780.00
13/28.82	Development and Stabilizing of the tubewell with submersible pump of required capacity as directed by the engineer-in-charge including cost of tools, appliances & consumable to the satisfaction of Engineer-in-charge.	10	Hrs.	1155.00	11550.00
14/NS	Providing and installing of Submersible pumping set (Crompton/Texmo) 17.50 HP 3 Phase 415 Volt for 1500 LPM at 30 Mtr Head L&T make Controller Starter Panel type MUG-20 Consisting of L&T Capacitor, relay, volt meter, amp meter, LED Indicator, Push Button etc. complete set, Havells cable 6 Sqmm x 3.0 Core, M.S pipe Heavy Duty 100mm Column pipe 40 Mtr, Adapter, Clam, Nuts, Bolts, specials etc. complete installation & commissioning in all respects	1	No	140000	140000
	Total				1320986.50

Note:- 1. Quantity may vary at the time of execution of work.

2. If, the dia/length of pipe is reduced, the rates will be reduced proportionally.

**Say Rs 1320987/-**

**(Thirteen Lac Twenty Thousand Nine Hundred and Eighty Seven Only)**