

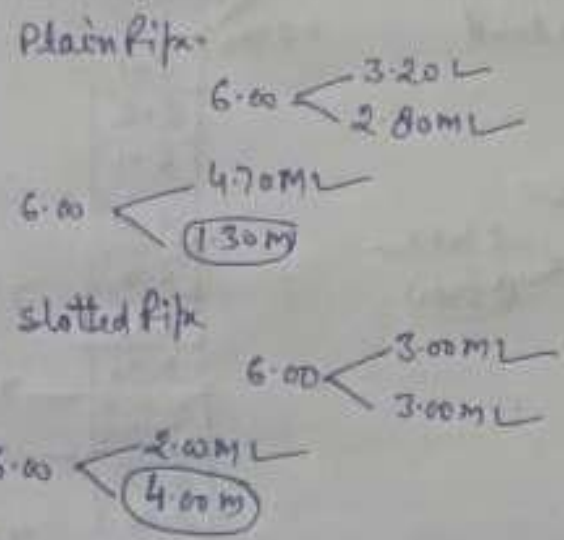
lowering of churra sakatpur wa scheme distt - Pilibhit Block - Bisalpur

TW Size - 300x200mm lowering Rate - 16/10/23 discharge - 1270 lpm / 130711

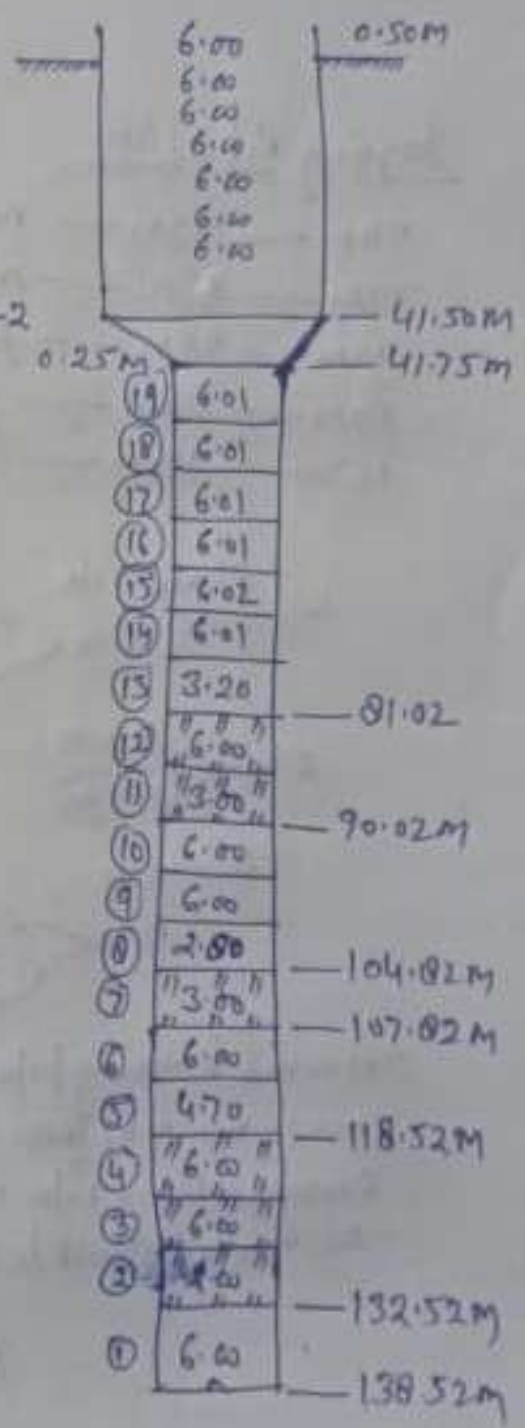
300mm housing pipe	200mm plain pipe	200mm slotted pipe
1-6.00	1-6.01	1-6.00
2-6.00	2-6.01	2-6.00
3-6.00	3-6.01	3-6.00
4-6.00	4-6.01	4-6.00
5-6.00	5-6.02	5-6.00
6-6.00	6-6.01	30.00m (4.00m)
7-6.00	7-6.00	
<u>42.00m</u>	8-	
	9-	
	10-	

Logging Report As:-

51m	69m	Coarsesand	-
80m	91m	Coarsesand	- 6+3
96m	99.50	M. Coarsesand	-
103m	109m	Coarsesand	- 3
117m	134m	Coarsesand	- 12+2



300mm housing pipe	42.00m
300x200mm Reducer	0.25m
200mm plain pipe	70.77m
200mm slotted pipe	26.00m
<hr/>	
	139.02m
ALL ->	0.50m
<hr/>	
	138.52m





M/S E.R. TECHNOLOGIES

(Govt. Contractor of PH & Civil Works & Electrical Works)

(Specialist in: Deep Tube well, Sick Tube well, Geological and Hydro-Geological Survey, Electric Logging of Borehole, Videography of Borehole, Water Sample & Soil Testing etc.)

Ref.

Dated..... 15/10/2023

REPORT OF ELECTRIC LOGGING OF BOREWELL DRILLED AT SITE VILLAGE CHURRA SAKATPUR, BLOCK BISALPUR, DISRICT PILIBHIT, UTTAR PRADESH UNDER JAL JEEVAN MISSION

Introduction:

The borehole at the site was drilled to a depth of 150.00 meters, and the electric logging was conducted up to 130.00-meter depth using a continuous logger on Oct 14, 2023. The purpose of this logging was to assess the various subsurface strata and properties encountered during drilling, with a focus on resistivity measurements (LON -64" and SHN-16) and self-potential (SP) data. This report provides an analysis of the interpreted data and offers recommendations for further actions under the Jal Jeevan Mission.

LOGGING DATA

Name of agency	Vishwaraj Enviromentv Pvt Ltd
Location	Churra Sakatpur
Block	Bisalpur
District	Pilibhit, U.P
Depth drilled (mbgl)	150
Depth logged (mbgl)	150
Water level (m)	10
LON -64" Resistivty (N-64)	Ohm.m (Blue)
SHN-16 Resistivity (N-16)	Ohm.m (Red)
Self-Potential (SP)	Mv (Green)

Log Report of Churra Sakatpur, block Bisalpur, district Pilibhit, Uttar Pradesh

Sr. No	Depth Range (m)		Zone Thickness(m)	LON -64" N Resistivity (ohm.m)	Probable Strata	Expected water Quality
	From	To				
1	0.00	5.00	5.00	>25	Top Soil	-
2	5.00	12.00	7.00	30	Fine Sand	-
3	15.00	18.00	3.00	67	Coarse Sand	-
4	18.00	26.00	8.00	28	Clay	-
5	26.00	44.00	18.00	55	Medium Coarse Sand	-
6	44.00	51.00	7.00	18	Clay	-
7	51.00	69.00	18.00	67	Coarse Sand	Good
8	69.00	80.00	11.00	22	Clay	-
9	80.00	91.00	11.00	69	Coarse Sand	Good
10	91.00	96.00	5.00	22	Clay	-
11	96.00	99.50	3.50	58	Medium Coarse Sand	Good
12	99.50	103.00	3.50	22	Clay	-
13	103.00	109.00	6.00	68	Coarse Sand	Good
14	109.00	117.00	8.00	25	Clay	-

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15	117.00	134.00	17.00	70	Coarse Sand	Good
16	134.00	137.00	3.00	35	Clay	-
17	137.00	144.00	7.00	67	Coarse Sand	Good
18	144.00	150.00	6.00	33	Sand Clay	-

Recommendations:

Based on the interpreted strata data from the electric logging, the following recommendations are provided:

1. Screen Installation:

It is recommended to install screens against the **bold-marked strata** indicated in the interpretation above. These screens will help facilitate water inflow from the identified permeable zones.

2. Expected Water Quality:

The expected water quality in the zones marked as "Good" is anticipated to be favorable.

3. Tubewell Development:

To optimize water yield, it is advised to develop the tubewell using a high-capacity air compressor.

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