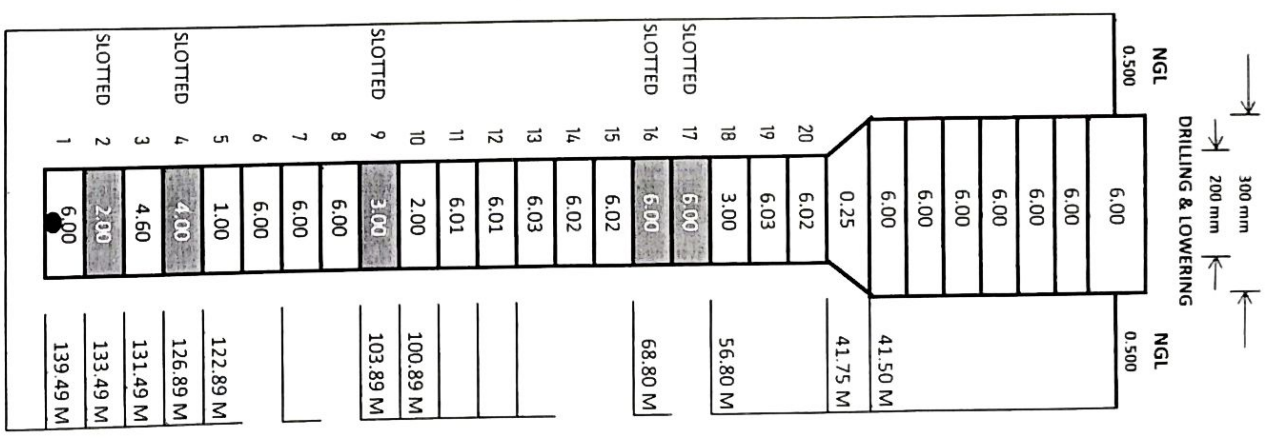




TUBEWELL ASSEMBLY CHART	
PROJECT: RURAL WATER SUPPLY SCHEME UNDER SWAMEE	
THE CONTRACTOR: VISHARAL ENVIRONMENT PVT LTD	
COVER SCHEME No.: SLOTTED PIPES: 2022-23 IV	
SCHEME NAME: PAREWATAKISHANI	
LOA NO.: 206 LID PIPES: 2022-23 IV-200060702	
BLOCK: BISHALPUR	
LOWERING DATE: 04/10/2023	

LIST OF TUBE WELL ASSEMBLY UNITS		
SR. NO.	DESCRIPTION	DIAMETER
1	PLAIN PIPES	300 mm
2	PLAIN PIPES	200 mm
3	SLOTTED PIPES	200 mm
300 mm	MM DIA PLAIN PIPES	12.00 M
300 X 200	MM DIA REDI CER	0.25 M
200 mm	MM DIA PLAIN PIPES	76.71 M
200 mm	MM DIA SLOTTED PIPES	21.00 M
TOTAL DEPTH		139.99 M
AGL		-0.50 M
TOTAL LOWERING DEPTH		139.49 M

LOGGING REPORT AS-		
54.50	70.50	Coarse sand
74.50	78 M	M. sand
99.00	105.50	Coarse sand
109.00	111.00	M Coarse sand
114 M	118 M	M Coarse sand
122 M	129 M	Coarse sand
130 M	136 M	Coarse sand



VEPL
M/S BLG CONSTRUCTION (TPJ)
A.E.
J.E.



M/S E.R. TECHNOLOGIES

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..... 03/10/2023

**REPORT OF ELECTRIC LOGGING OF BOREWELL DRILLED AT SITE VILLAGE
PAREWA, 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 150.00-meter depth using a continuous logger on Aug 03, 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 Enviroment Pvt Ltd. , Atal Power Infra
Location	Parewa
Block	Bisalpur
District	Pilibhit, U.P
Depth drilled (mbgl)	150
Depth logged (mbgl)	150
Water level (m)	5
LON -64" Resistivity (N-64)	Ohm.m (Blue)
SHN-16 Resistivity (N-16)	Ohm.m (Red)
Self-Potential (SP)	Mv (Green)

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	>90	Top soil	-
2	5 00	14 00	9 00	39	Fine Sand	-
3	14 00	25 00	11 00	55	Medium Coarse Sand	-
4	25 00	28 00	3 00	69	Clay	-
5	28 00	39 00	11 00	69	Coarse Sand	-
6	39 00	41 00	2 00	28	Clay	-
7	41 00	44 50	3 50	67	Coarse Sand	-
8	44.50	48 50	4 00	29	Clay	-
9	48.50	52.00	3 50	58	Medium Coarse Sand	-
10	52.00	54 50	2 50	70	Clay	-
11	54.50	70.50	16.00	66	Coarse Sand	Good
12	70 50	74 50	4 00	29	Clay	-
13	74.50	78.00	4.50	50	Medium Sand	Good

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E-mail:- ertechnologies1516@gmail.com



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Dated..... 03/10/2023

Ref.

14	78.00	99.00	21.00	29	Clay	-
15	99.00	105.50	6.50	67	Coarse Sand	Good
16	105.50	109.00	3.50	36	Clay	-
17	109.00	111.00	2.00	54	Medium Coarse Sand	Good
18	111.00	114.00	3.00	37	Clay	-
19	114.00	118.00	4.00	55	Medium Coarse Sand	Good
20	118.00	122.00	4.00	35	Clay	-
21	122.00	129.00	7.00	67	Coarse Sand	Good
22	129.00	130.00	1.00	33	Clay	-
23	130.00	136.00	6.00	66	Coarse Sand	Good
24	136.00	150.00	14.00	33	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.


PARKASH KUMAR
MSc (Hons)Geology

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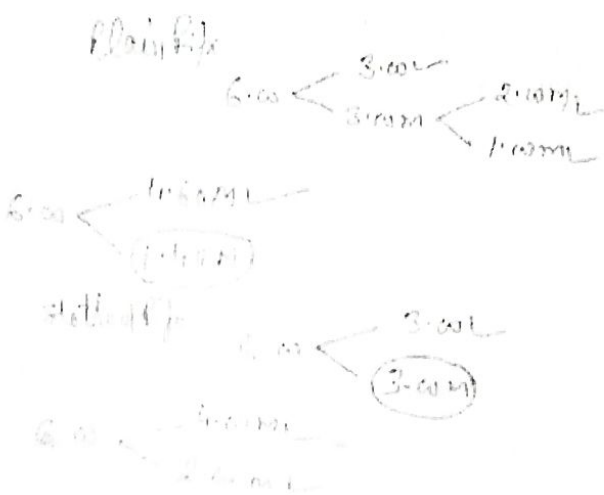
Design of Retention Scheme - 1000 Litre Tank

7.10 Size: 2000mm dia Retention Tank - 04/10/23 Discharge: 100 lpm

200mm Drawing Pipe	200mm Plain Pipe	200mm Slotted Pipe
1-6.00	1-6.00	1-6.00
2-6.00	2-6.00	2-6.00
3-6.00	3-6.00	3-6.00
4-6.00	4-6.00	4-6.00
5-6.00	5-6.00	5-6.00
6-6.00	6-6.00	6-6.00
7-6.00	7-6.00	7-6.00
<u>42.000</u>	8-6.00	<u>30.000</u>
	9-6.00	
	10-6.00	
	11-6.00	
	12-6.00	
	13-6.00	

Logging Report AS:-

- 54.50M — 70.50M — Coarse Sand - 12.
- 74.50M — 78.00M — M. Sand. -
- 99M — 105.50M — Coarse Sand - 3.
- 109M — 111M — M. Coarse Sand x
- 114M — 118M — M. Coarse Sand x
- 122M — 129M — Coarse Sand - 4.
- 130M — 136M — Coarse Sand - 2



200mm Drawing Pipe	42.00M
200mm Plain Pipe	30.00M
200mm Slotted Pipe	21.00M
	<u>93.00M</u>
RET. T.	0.50M
	<u>93.50M</u>

