

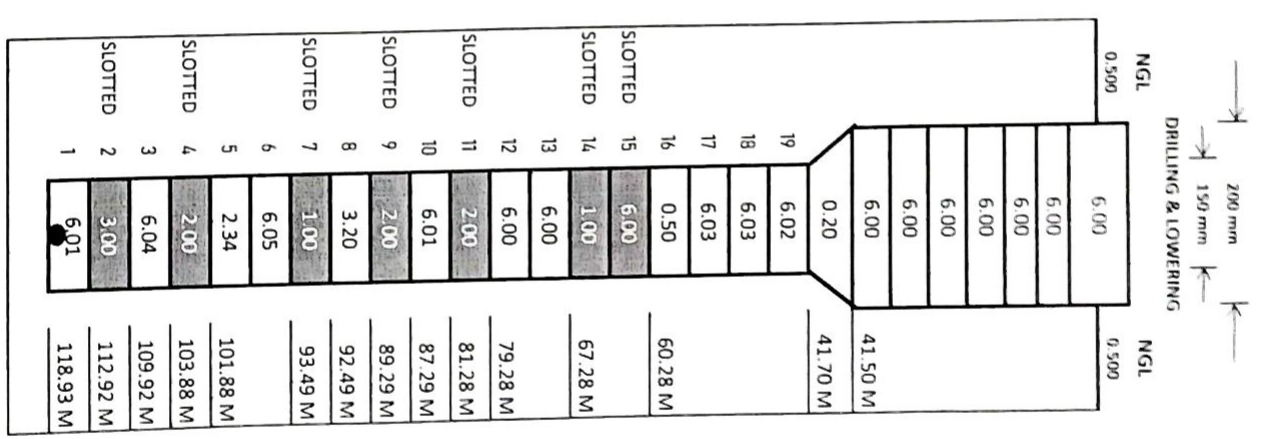


WELL ASSEMBLY CHART	
PROJECT REFERENCE NUMBER	SCHEMATIC NUMBER
PROJECT LOCATION	PROJECT NAME
CLIENT NAME	PROJECT NO.
DATE	ISSUED BY
REVISION	DATE

SER. NO.	DESCRIPTION	QTY. (M)	DIAMETER
1	PLAIN PIPES	42.00	200 mm
2	PLAIN PIPES	60.23	150 mm
3	SLOTTED PIPES	17.00	150 mm
2000 mm	MM DIA PLAIN PIPES		42.00 M
2000 X 150	MM DIA REDUCER		0.20 M
150 mm	MM DIA PLAIN PIPES		60.23 M
150 mm	MM DIA SLOTTED PIPES		17.00 M
TOTAL DEPTH			119.43 M
AGL			-0.50 M
TOTAL LOWERING DEPTH			118.93 M

LOGGING REPORT AS-

54 M	57 M	Medium sand
59 M	68.50	Coarse sand
78 M	82 M	Coarse sand
86 M	90 M	Medium sand
91.5 M	94.50	Medium Coarse sand
96 M	98 M	Medium sand
101 M	105 M	Medium Coarse sand
109 M	114 M	Coarse sand





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.....1/10/2023

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

Introduction:

The borehole at the site was drilled to a depth of 130.00 meters, and the electric logging was conducted up to 130.00-meter depth using a continuous logger on Sep 30, 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 Environment Pvt. Ltd , Atal power Infra
Location	Bhasuda
Block	Bisalpur
District	Pilibhit, U.P
Depth drilled (mbgl)	130
Depth logged (mbgl)	130
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)

Log Report of Bhasuda, 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	6.00	25	Top soil	-
2	5.00	18.00	12.00	49	Medium Sand	-
3	18.00	21.50	3.50	22	Clay	-
4	21.50	39.00	17.50	69	Coarse Sand	-
5	39.00	43.00	4.00	29	Clay	-
6	43.00	50.00	7.00	78	Coarse Sand , Gravel	-
7	50.00	54.50	4.50	37	Clay	-
8	54.50	57.00	2.50	49	Medium Sand	Good
9	57.00	59.00	2.00	29	Clay	-
10	59.00	68.50	9.50	70	Coarse Sand	Good
11	68.50	78.00	9.50	22	Clay	-
12	78.00	82.00	4.00	67	Coarse Sand	Good
13	82.00	86.00	4.00	33	Clay	-
14	86.00	90.00	4.00	45	Medium Sand	Good

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Log Report of Bhasuda, block Bisalpur, district Pilibhit , Uttar Pradesh

15	90.00	91.50	1.50	25	Clay	-
16	91.50	94.50	3.00	58	Medium Coarse Sand	Good
17	94.50	96.00	1.50	29	Clay	-
18	96.00	98.00	2.00	49	Medium Sand	Good
19	98.00	101.00	3.00	29	clay	-
20	101.00	105.50	4.50	55	Medium Coarse Sand	Good
21	105.50	109.50	4.00	37	Clay	-
22	109.50	114.00	4.50	75	Coarse Sand	Good
23	114.00	116.50	2.50	29	Clay	-
24	116.50	120.50	4.00	56	Medium Coarse Sand	Good
25	120.50	124.00	3.50	29	Clay	-
26	124.00	127.50	3.50	47	Medium Sand	Good
27	127.50	130.00	2.50	30	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

Mid Plate
 Laying of Materials into Stone Deck - 10/10/19
 70kg concrete Laying Job - 10/10/19 Discharge - 170kg

Normal bearing pipe	Normal Plain pipe	Normal 2 1/2" dia pipe
1- 6m	1- 6m	1- 6m
2- 6m	2- 6m	2- 6m
3- 6m	3- 6m	3- 6m
4- 6m	4- 6m	4- 6m
5- 6m	5- 6m	4- 6m
6- 6m	6- 6m	
7- 6m	7- 6m	
8- 6m	8- 6m	
9- 6m	9- 6m	
	10- 6m	
	6x-210	
		214 m ²

Logging Report

1st floor - 10m - 10m
 2nd floor - 10m - 10m
 3rd floor - 10m - 10m
 4th floor - 10m - 10m
 5th floor - 10m - 10m
 6th floor - 10m - 10m
 7th floor - 10m - 10m
 8th floor - 10m - 10m
 9th floor - 10m - 10m
 10th floor - 10m - 10m

