

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 525

Date:- 24-03-2023

NAME OF SITE

GRAM PANCHAYAT- Bharatpur

BLOCK- Amaria

DISTT- Pilibhit

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHARATPUR, BLOCK- AMARIA, DISTT- PILIBHIT UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 150 mtrs. at above site. Was drilled by M/s Vishvaraj Environment Pvt. Ltd.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 24.Mar.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 20	13	Fine sand	
4.	20 - 22	2	Clay kankar	
5.	22 - 27	5	Fine to Medium sand	Good
6.	27 - 31	4	Clay kankar	
7.	31 - 36	5	Fine to Medium sand	Good
8.	36 - 40	4	Clay kankar	
9.	40 - 57*	17	Medium sand & kankar	Good
10.	57 - 65	8	Clay kankar	
11.	65 - 76*	11	Medium sand	Good
12.	76 - 83	7	Clay kankar	
13.	83 - 106*	23	Medium sand	Good
14.	106 - 111	5	Clay kankar	
15.	111 - 120*	9	Medium sand	Good
16.	120 - 123	3	Clay kankar	
17.	123 - 146*	23	Medium sand & kankar	Good
18.	146 - 150	4	Clay kankar	



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



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