

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2107

Date:- 18-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Bhagi Dandi      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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**ISO 9001 : 2015**  
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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHAGI DANDI, BLOCK- AMARIA, DISTT.- PILIBHIT  
UNDER  
JAL JIVAN MISSION

## Introduction :

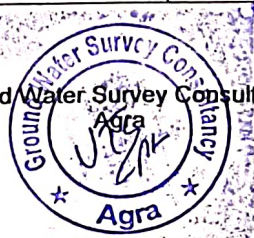
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 150 mtrs. at above site. Was drilled by M/s Vishvaraj Environment Pvt. Ltd.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.Oct.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 - 13	8	Clay kankar	
3.	13 - 22	9	Fine sand	
4.	22 - 40	18	Clay kankar	
5.	40 - 42	2	Fine sand	Med to Good
6.	42 - 46	4	Clay kankar	
7.	46 - 49	3	Fine to Medium sand	Med to Good
8.	49 - 65	16	Clay kankar	
9.	65 - 70*	5	Fine to Medium sand	Med to Good
10.	70 - 82	12	Clay kankar	
11.	82 - 92*	10	Medium sand	Med to Good
12.	92 - 96	4	Clay kankar	
13.	96 - 102*	6	Medium sand	Med to Good
14.	102 - 116	14	Clay kankar	
15.	116 - 125*	9	Medium sand	Med to Good
16.	125 - 132	7	Clay kankar	
17.	132 - 142*	10	Medium sand	Med to Good
18.	142 - 150	8	Clay kankar	

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**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 Medium to 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**



**Ground Water Survey Consultancy**

Rho a  
N16 (SN)  
NEALIN  
LAT

Logging Details:  
SP (m V)  
Area: 0.16 sq m  
Date: 18 Oct 2022  
15:10  
Agra, India

Logger S. No:  
IGIS/S/04/21-22

Logger Model:  
DMPL-2  
Logger Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
- AGRA INDIA

