

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 410

Date:- 30-04-2023

### NAME OF SITE

GRAM PANCHAYAT- Rohaniya      BLOCK- Bisalpur      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**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ROHANIYA, BLOCK- BISALPUR, DISTT.- PILIBHIT  
UNDER  
JAL JIVAN MISSION

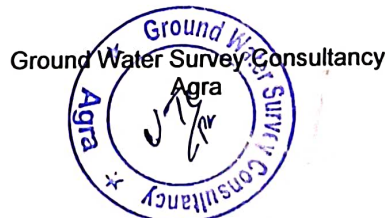
## Introduction :

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 30.April.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 - 10	5	Fine sand	
3.	10 - 16	6	Clay kankar	
4.	16 - 45	29	Medium sand	Medium
5.	45 - 48	3	Clay kankar	
6.	48 - 60	12	Medium sand	Medium
7.	60 - 67	7	Clay kankar	
8.	67 - 75*	8	Medium sand	Medium
9.	75 - 100	25	Clay kankar	
10.	100 - 109*	9	Medium sand	Medium
11.	109 - 120	11	Clay kankar	
12.	120 - 125*	5	Medium sand	Medium
13.	125 - 128	3	Kankar	
14.	128 - 135*	7	Medium sand	Medium
15.	135 - 142	7	Clay kankar	
16.	142 - 150*	8	Medium sand	Medium



**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.
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)  
 NS4(LIN)  
 LAT

Logging Details  
 Logging SP Resolving Block  
 Block 2 m 1 m  
 UP LOGGING  
 30 Apr 2023  
 11:51  
 User: Gauri AG

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

SP (m V)

Logger Model:  
 DMPL-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

