

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-N-1636

Date:- 27-03-2023

NAME OF SITE

GRAM PANCHAYAT- Jagatpur

BLOCK- Puranpur

DISTT- Pilibhit

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.  
Pilibhit



GROUND WATER SURVEY CONSULTANCY  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAGATPUR, BLOCK- PURANPUR, 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. Pilibhit.

On the request of M/s Vishvaraj Environment Pvt. Ltd. Pilibhit. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27. 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:-

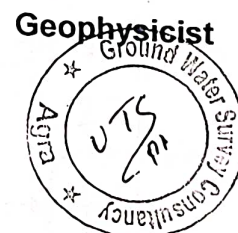
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Fine to Medium sand	Med to Good
3.	18 - 21	3	Clay kankar	
4.	21 - 48	27	Medium sand	Med to Good
5.	48 - 53	5	Clay kankar	
6.	53 - 78*	25	Medium sand	Med to Good
7.	78 - 90	12	Clay kankar	
8.	90 - 105*	15	Medium sand	Med to Good
9.	105 - 114	9	Clay kankar	
10.	114 - 146*	32	Fine to Medium sand	Med to Good
11.	146 - 150	4	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.



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 LAT

Project Name:  
 Date:  
 Location:  
 Client:  
 User:  
 File Name:

Station No:  
 IGIS/S/04/21-22

Logger Model:  
 DMP-L-2  
 Logger Connected by:

GROUND WATER  
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 - AGRA INDIA

