

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 959

Date:- 05-10-2022

NAME OF SITE

GRAM PANCHAYAT- Sherpur Makrandpur  
DISTT- Pilibhit

BLOCK- Puranpur

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



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

Ground Water Survey Consultancy  
Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHERPUR MAKRANDPUR, BLOCK- PURANPUR  
DISTT.- PILIBHIT  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 160 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 05.Oct.2022.

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 - 15	10	Fine sand	
3.	15 - 35	20	Sandy clay	
4.	35 - 53*	18	Medium sand	
5.	53 - 60	7	Clay kankar	Good
6.	60 - 90*	30	Medium sand	
7.	90 - 96	6	Clay kankar	Good
8.	96 - 109*	13	Medium sand	
9.	109 - 120	11	Clay kankar	Good
10.	120 - 128*	8	Medium sand	
11.	128 - 132	4	Clay kankar	Good
12.	132 - 135*	3	Fine to Medium sand	
13.	135 - 140	5	Clay	Good
14.	140 - 150*	10	Fine to Medium sand	
15.	150 - 160	10	Sandy clay	Good

**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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**



**Ground Water Survey Consultancy**

Rho s  
 N16(SNF)  
 N64(LN)  
 LAT

Logging '1' Shearpur  
 Jalrandpur Block-  
 Fuarapur Distt.  
 Pibhit  
 LOGGIII: SUP  
 14-29  
 Ullrich Gupta

SP (m V)

