

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B- 831

Date:- 06-06-2023

**NAME OF SITE**

GRAM PANCHAYAT- Devipur

BLOCK- Puranpur

DISTT- Pilibhit

**NAME OF AGENCY**

M/s Vishvaraj Environment Pvt. Ltd.



**GROUND WATER SURVEY CONSULTANCY**

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

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- DEVIPUR, 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.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.June.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 - 20	10	Clay kankar	
4.	20 - 25	5	Fine sand	Good
5.	25 - 30	5	Clay kankar	
6.	30 - 50	20	Medium sand	Good
7.	50 - 55	5	Clay kankar	
8.	55 - 72*	17	Medium sand	Good
9.	72 - 75	3	Clay kankar	
10.	75 - 90*	15	Medium sand	Good
11.	90 - 92	2	Clay kankar	
12.	92 - 96*	4	Fine to Medium sand	Good
13.	96 - 101	5	Clay kankar	
14.	101 - 107*	6	Fine to Medium sand	Good
15.	107 - 111	4	Clay kankar	
16.	111 - 115	4	Fine sand	Good
17.	115 - 120	5	Clay kankar	
18.	120 - 142*	22	Medium sand	Good
19.	142 - 150	8	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**



**Ground Water Survey Consultancy**

Run 2  
 NTE (SN)  
 NMTLN  
 LAT  
 Logging Details  
 Log # 0001  
 Date 2002  
 Time 14:01  
 Location  
 Project Name  
 Project No.

Logger Model: DMAPL-2  
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY - AGRA INDIA  
 IGS/S/O/10-11  
 Logger 5 file

