

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 664

Date:- 27-05-2023

### NAME OF SITE

GRAM PANCHAYAT- Iradatpur Pagar      BLOCK- Bilsanda      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- IRADATPUR, BLOCK- BILSANDA, DISTT.- PILIBHIT  
UNDER  
JAL JIVAN MISSION

## Introduction :

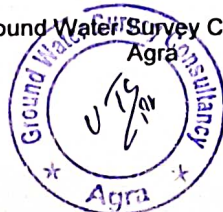
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 150 mtrs. at above site. Was drilled by M/s Vishvaraj Environment Pvt. Ltd.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.May.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 - 17	12	Clay kankar	
3.	17 - 20	3	Fine sand	
4.	20 - 25	5	Clay kankar	
5.	25 - 37	12	Medium sand	Good
6.	37 - 44	7	Clay kankar	
7.	44 - 70*	26	Medium sand	Good
8.	70 - 75	5	Clay kankar	
9.	75 - 81*	6	Fine to Medium sand	Good
10.	81 - 90	9	Clay kankar	
11.	90 - 101*	11	Medium sand	Good
12.	101 - 105	4	Clay kankar	
13.	105 - 120*	15	Medium sand	Good
14.	120 - 125	5	Clay kankar	
15.	125 - 133	8	Kankar	
16.	133 - 150	17	Clay kankar	

Ground Water Survey Consultancy



**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.



**Ground Water Survey Consultancy**

Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

LOG No: 100011520  
 DATE: 27/09/2023  
 TIME: 16:12  
 OPERATOR: S. K. SINGH  
 WE: DSCM

Logger S.No.:  
 IGIS/S/02/22-23

System Model: SP  
 DMP-2  
 Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

