

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2417

Date:- 23-12-2023

### NAME OF SITE

AT SITE- Akohari

BLOCK- Malasa

DISTT- Kanpur Dehat

### NAME OF AGENCY

M/s Indian Hume Pipe Co. Ltd.  
Auraiya



## GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

AT SITE- AKOHARI, BLOCK- MALASA, DISTT- KANPUR DEHAT

## Introduction :

A Deep bore hole was drilled 240 mtrs. depth and logged depth 225 mtrs. at above site was drilled by M/s Indian Hume Pipe Co. Ltd. Auraiya.

On the request of M/s Indian Hume Pipe Co. Ltd. Auraiya. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 23.Dec.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:-

Mud Resistivity = 15.20 Ohms.

Drilling Water Resistivity = 16.30 Ohms.

Approx Water Level = 37 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 16	11	Clay kankar	
3.	16 - 19	3	Fine sand	
4.	19 - 31	12	Clay kankar	
5.	31 - 34	3	Fine sand	
6.	34 - 51	17	Clay kankar	
7.	51 - 80*	29	Medium sand & kankar	Good
8.	80 - 90	10	Clay kankar	
9.	90 - 97	7	Fine to medium sand	Mod to Good
10.	97 - 102	5	Clay kankar	
11.	102 - 106*	4	Fine to medium sand	Good
12.	106 - 114	8	Clay kankar	
13.	114 - 117*	3	Fine to medium sand	Good
14.	117 - 125	8	Clay kankar	
15.	125 - 138*	13	Medium sand & kankar	Good
16.	138 - 147	9	Clay kankar	
17.	147 - 149	2	Fine sand	Good
18.	149 - 155	6	Clay kankar	
19.	155 - 170*	15	Medium sand	Good
20.	170 - 190	20	Clay kankar	
21.	190 - 195*	5	Fine to medium sand	Good
22.	195 - 225	30	Clay kankar	

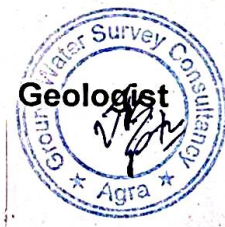
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**Conclusions and Recommendations :-**

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 Moderate 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.



Rhio a  
 N16 (SN)  
 N64(LN)  
 LAT  
 Logging Details  
 Logging v. Acceptor Book  
 mataa ditti arpur de+at  
 US LOGGING  
 23 Dec 2013  
 20:43  
 Udaipur guada (arvoo)

Logger SI No:  
 (GIS/S/03/21-22)

Logger Model:  
 SP (m V)

DMP1-2  
 Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA, INDIA

