

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2930

Date:- 17-01-2024

NAME OF SITE

GRAM PANCHAYAT- Huseni Purwa

BLOCK- Rishiya

DISTT- Bahraich

NAME OF AGENCY

M/s GVR Infratech P Limited
Bahraich



GROUND WATER SURVEY CONSULTANCY

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

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ISO ; 9001 : 2015

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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HUSENI PURWA, BLOCK- RISHIYA, DISTT- BAHRAICH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 220 mtrs. depth. and Logged depth 212 mtrs. at above site. Was drilled by M/s GVR Infratech P Limited, Bahraich.

On the request of M/s GVR Infratech P Limited, Bahraich. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 17.Jan.2024.

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:-

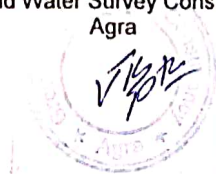
Mud Resistivity = 15.86 Ohms.

Drilling Water Resistivity = 18.15 Ohms.

Approx Water Level = 5 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 30	15	Fine to Medium sand	
4.	30 - 35	5	Clay kankar	
5.	35 - 46	11	Medium sand	Good
6.	46 - 51	5	Clay kankar	
7.	51 - 63*	12	Medium sand	Good
8.	63 - 67	4	Clay kankar	
9.	67 - 75*	8	Fine to Medium sand	Good
10.	75 - 80	5	Clay kankar	
11.	80 - 85	5	Fine sand	Good
12.	85 - 99	14	Clay kankar	
13.	99 - 118*	19	Medium sand	Good
14.	118 - 122	4	Clay kankar	
15.	122 - 132	10	Sand & kankar	
16.	132 - 140	8	Clay kankar	
17.	140 - 154*	14	Medium sand	Good
18.	154 - 172	18	Clay kankar	
19.	172 - 201*	29	Medium sand	Good
20.	201 - 212	11	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 tube well.
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.



Rhos
 N 16 S N
 N 64 U N
 LAT

Location
 Logging Location
 Block
 Name
 Log No.
 Date
 Time
 Operator
 User Name
 Job Name

Logger S No.
 LOGS 5/02/22-23

SP
 Logger Name
 DAPT-2
 Logger Contact By

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