

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B- 921

Date:- 13-06-2023

NAME OF SITE

GRAM PANCHAYAT- Inta Rora

BLOCK- Barkhed

DISTT- Pilibhit

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



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

117.

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- INTA RORA, BLOCK- BARKHEDA, DISTT.- PILIBHIT
UNDER
JAL JIVAN MISSION

Introduction :

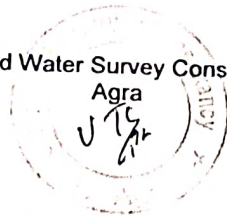
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/s Vishvaraj Environment Pvt. Ltd.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 13.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 - 8	3	Clay kankar	
3.	8 - 16	8	Fine sand	
4.	16 - 26	10	Clay kankar	
5.	26 - 35	9	Fine to Medium sand	Good
6.	35 - 40	5	Clay kankar	
7.	40 - 43	3	Fine sand	Good
8.	43 - 50	7	Clay kankar	
9.	50 - 76*	26	Medium sand & kankar	Good
10.	76 - 82	6	Clay kankar	
11.	82 - 90*	8	Medium sand	Good
12.	90 - 97	7	Clay kankar	
13.	97 - 102*	5	Fine to Medium sand	Good
14.	102 - 110	5	Clay kankar	
15.	110 - 123*	13	Medium sand	Good
16.	123 - 130	7	Clay kankar	

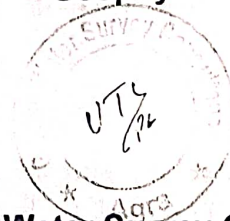
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Conclusions and Recommendations :-

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 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

Rice
N161SN
N541UN
LAT

Logging Details
Well No: 10
Borehole Depth: 130
Date: 10/10/11
10.10
10.10

Logger's No
IGIS/5/01/10-11

SP (mV)

Logger Used:
DMPL-2

Logged Core by
Ground Water
Survey Consultancy
Agra UP India

