

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-510

Date:- 15-05-2023

NAME OF SITE

GRAM PANCHAYAT- Mandra Suman BLOCK- Bisalpur DISTT- Pilibhit

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



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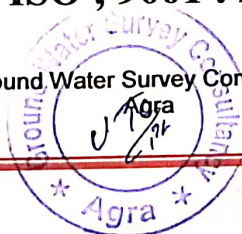
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MANDRA SUMAN, BLOCK- BISALPUR, 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 15.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 - 15	10	Clay kankar	
3.	15 - 23	8	Medium sand	Medium
4.	23 - 27	4	Clay kankar	
5.	27 - 41	14	Fine sand	Medium
6.	41 - 48	7	Clay kankar	
7.	48 - 66*	18	Medium sand	Medium
8.	66 - 73	7	Clay kankar	
9.	73 - 80*	7	Medium sand	Medium
10.	80 - 95	15	Clay kankar	
11.	95 - 110	15	Medium sand	Medium
12.	110 - 117	7	Clay kankar	
13.	117 - 120*	3	Medium sand	Medium
14.	120 - 124	4	Clay kankar	
15.	124 - 135*	11	Medium sand	Medium
16.	135 - 150	15	Sandy clay	

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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 Medium.
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



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Rno 3
 NIS (N)
 NSQ (N)
 LAT

Logging Details
 10/11/2011
 10/11/2011
 10/11/2011
 10/11/2011

Logger S No
 IGS/S/01/21-22

SP (m V)
 Logger Model
 DMPL-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

