

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-N- 847

Date:- 18-01-2023

NAME OF SITE

GRAM PANCHAYAT- Dherum Mandria Sahrai BLOCK- Marori 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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHERUM MANDRIA SAHRAI, BLOCK- MARORI, 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 18.Jan.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	
3.	17 - 41	24	Medium sand	Good
4.	41 - 54	13	Clay kankar	
5.	54 - 69*	15	Medium sand	Good
6.	69 - 73	4	Clay kankar	
7.	73 - 91*	18	Medium sand	Good
8.	91 - 98	7	Clay kankar	
9.	98 - 127*	29	Medium sand & kankar	Good
10.	127 - 133	6	Clay kankar	
11.	133 - 150*	17	Medium sand	Good



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

No. 1
 N16 (SAT)
 N64 (LAT)
 LAT

Logang 11 Ethernum
 Handika Sahra
 Elcod - 11.10.01
 Hudaqi Datt.
 Pribadi
 LOGANG
 13 Jan 2023
 16-07
 Utiarshi Gupta DSI

