

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-N-1506

Date:- 17-03-2023

NAME OF SITE

GRAM PANCHAYAT- Marena

BLOCK- Bilsanda

DISTT- Pilibhit

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.
Pilibhit



GROUND WATER SURVEY CONSULTANCY

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

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MARENA, BLOCK- BILSANDA, 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. Pilibhit.

On the request of M/s Vishvaraj Environment Pvt. Ltd. Pilibhit. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 17.Mar.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	
3.	15 - 26	11	Medium sand	Medium
4.	26 - 30	4	Clay kankar	
5.	30 - 33	3	Medium sand	Medium
6.	33 - 40	7	Clay kankar	
7.	40 - 50*	10	Medium sand	Medium
8.	50 - 55	5	Clay kankar	
9.	55 - 63*	8	Medium sand	Medium
10.	63 - 67	4	Clay kankar	
11.	67 - 75*	8	Medium sand	Medium
12.	75 - 86	11	Clay kankar	
13.	86 - 90	4	Fine to Medium sand	Medium
14.	90 - 101	11	Clay kankar	
15.	101 - 110*	9	Medium sand	Medium
16.	110 - 122	12	Clay kankar	
17.	122 - 128*	6	Medium sand	Medium
18.	128 - 132	4	Clay kankar	
19.	132 - 140*	8	Medium sand	Medium
20.	140 - 150	10	Clay kankar	Medium

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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.



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Rho a
 N 16SN
 N 64LN
 LAT

Location:
 Logged by: M. Sharma
 Bore: 2 (100m dia)
 Log No:
 Log Date: 10/10/2022
 Date: 10/10/2022
 Time: 10:00 AM
 1334
 Operator:
 User: G. S. S. (G)
 Unit: Meter

Logger's No:
 IGS/S/04/21-22

SP
 Logger Model:
 DMPL-2
 Logger Owned by:
 GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

