

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A- 827

Date:- 15-06-2023

NAME OF SITE

GRAM PANCHAYAT- Meerpur BLOCK- Lalaurikhera DISTT- Pilibhit

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHINOURA MUSTQIL, BLOCK- LALAUERIKHERA, DISTT.- PILIBHIT
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 129 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.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 - 10	5	Clay	
3.	10 - 30	20	Medium sand	Medium
4.	30 - 35	5	Clay kankar	
5.	35 - 46	1	Medium sand	Medium
6.	46 - 50	4	Clay kankar	
7.	50 - 70*	20	Medium sand	Medium
8.	70 - 75	5	Clay kankar	
9.	75 - 85*	10	Medium sand	Medium
10.	85 - 105	20	Clay kankar	
11.	105 - 108	3	Fine to Medium sand	Medium
12.	108 - 119	11	Clay kankar	
13.	119 - 125*	6	Medium sand	Medium
14.	125 - 129	4	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 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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Rho a
N16 (SN)
NSA(LIN)
LAT

Logging Details:
SPT No: 16
Borehole No: 16
Date: 15 Aug 2011
Time: 12:30
Location:

Logger S No: IGIS/01/10-11

Logger Model: DMP-2

Logger Owned by: GROUND WATER SURVEY CONSULTANCY - AGRA, INDIA

