

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 260

Date:- 14-04-2023

NAME OF SITE

GRAM PANCHAYAT- Nagipur Akhola BLOCK- Bilaspur 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- NAGIPUR AKHOLA, BLOCK- BILASPUR, DISTT.- PILIBHIT
UNDER
JAL JIVAN MISSION

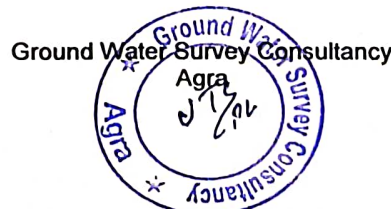
Introduction :

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 14.April.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 - 35	30	Sand & kankar	
3.	35 - 60*	25	Medium sand	Medium
4.	60 - 63	3	Clay kankar	
5.	63 - 68	5	Fine sand	Medium
6.	68 - 72	4	Clay kankar	
7.	72 - 75	3	Fine sand	Medium
8.	75 - 91	16	Clay kankar	
9.	91 - 95*	4	Fine to Medium sand	Medium
10.	95 - 100	5	Clay kankar	
11.	100 - 108*	8	Medium sand	Medium
12.	108 - 113	5	Clay kankar	
13.	113 - 135*	22	Medium sand	Medium
14.	135 - 140	5	Clay kankar	
15.	140 - 150*	10	Medium sand	Medium



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



Ground Water Survey Consultancy

Rho a
N16 (SN)
N54(LN)
LAT

Logging Details
LOGGING INSTRUMENT
FIELD NO. 0118
DATE
TIME
PROJECT

Logger's No.
IGSS/04/21-22

SP (mV)
Logger Model:
DMPL-2
Logger Owned by:
GROUND WATER
SURVEY
CONSULTANCY
- AGRA, INDIA

