

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-N-1467

Date:- 13-03-2023

NAME OF SITE

GRAM PANCHAYAT- Jagipur Jaitpur

BLOCK- Barkhera

DISTT- Pilibhit

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



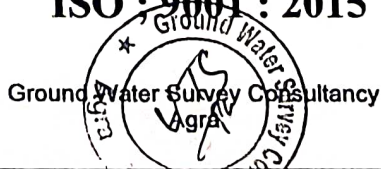
GROUND WATER SURVEY CONSULTANCY

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

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ISO : 9001 : 2015



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAGIPUR JAIPUR, BLOCK- BARKHERA, DISTT.- PILIBHIT
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 155 mtrs. depth. and Logged depth 155 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 13.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 - 10	5	Clay	
3.	10 - 16	6	Fine sand	
4.	16 - 20	4	Clay kankar	
5.	20 - 46	26	Medium sand	Med to Good
6.	46 - 54	8	Clay kankar	
7.	54 - 75*	21	Medium sand	Med to Good
8.	75 - 106	31	Clay kankar	
9.	106 - 112*	6	Medium sand	Med to Good
10.	112 - 117	5	Clay kankar	
11.	117 - 122*	6	Medium sand	Med to Good
12.	122 - 130	8	Clay kankar	
13.	130 - 135*	5	Medium sand	Med to Good
14.	135 - 142	7	Clay kankar	
15.	142 - 153*	11	Medium sand	Med to Good
16.	153 - 155	2	Sandy clay	



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 to 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

