

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:- 1134

Date:- 03-11-2022

NAME OF SITE

GRAM PANCHAYAT- Mahua Gunde      BLOCK- Puranpur      DISTT- Pilibhit

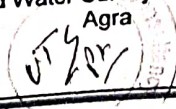
NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



GROUND WATER SURVEY CONSULTANCY  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAHUA GUNDE, BLOCK- PURANPUR, DISTT.- PILIBHIT  
UNDER  
JAL JIVAN MISSION

## Introduction :

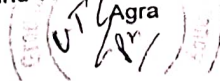
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 150 mtrs. at above site. Was drilled by M/s Vishvaraj Environment Pvt. Ltd.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 03.Nov.2022.

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 kankar	
3.	15 - 25	10	Fine to medium sand	Good
4.	25 - 30	5	Clay	
5.	30 - 48	18	Medium sand	Good
6.	48 - 56	8	Clay kankar	
7.	56 - 64*	8	Fine to medium sand	Good
8.	64 - 71	7	Clay kankar	
9.	71 - 102*	31	Sand & kankar	Good
10.	102 - 112	10	Clay kankar	
11.	112 - 116	4	Fine sand	
12.	116 - 140*	24	Fine to medium sand	Good
13.	140 - 150	10	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 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**

