

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 308

Date:- 12-12-2022

NAME OF SITE

GRAM PANCHAYAT- Marha Khurd Kalam BLOCK- Puranpur
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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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MARHA KHURD KALAM, 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 12.Dec.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:-

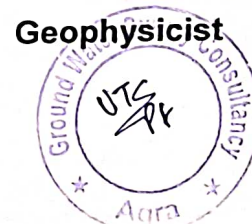
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 47	35	Medium sand	Good
4.	47 - 52	5	Clay kankar	
5.	52 - 65*	13	Medium sand	Good
6.	65 - 77	12	Clay kankar	
7.	77 - 83*	6	Medium sand	Good
8.	83 - 92	9	Clay kankar	
9.	92 - 111*	19	Medium to kankar & sand	Good
10.	111 - 125	14	Clay kankar	
11.	125 - 128*	3	Medium sand	Good
12.	128 - 134	6	Clay kankar	
13.	134 - 142*	8	Medium sand	Good
14.	142 - 150	8	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.



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Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging
 Vimarakhurkara
 block: Purnapur distt
 Pilibhet
 LOGGINGUP
 12 Dec 2022
 15:37
 utkarsh (karlashi)

SP (m V)

