

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-461

Date:- 10-05-2023

NAME OF SITE

GRAM PANCHAYAT- Bhitra

BLOCK- Bilsanda

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

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHITERA, BLOCK- BILSANDA, 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 10.May.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 - 18	13	Medium sand	
3.	18 - 30	12	Clay kankar	
4.	30 - 41	11	Medium sand	Med to Good
5.	41 - 46	5	Clay kankar	
6.	46 - 69*	23	Medium sand	Med to Good
7.	69 - 95	26	Clay kankar	
8.	95 - 102*	7	Medium sand	Med to Good
9.	102 - 107	5	Clay kankar	
10.	107 - 121*	14	Medium sand	Med to Good
11.	121 - 134	13	Clay kankar	
12.	134 - 140*	6	Medium sand	Med to Good
13.	140 - 150	10	Fine sand	Med to Good



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

Rho a
 N16SN0
 N64LN
 LAT

Location:
 Logging Co. Baram Eker
 E. Baram Dist. Sarawak
 LOT No.:
 101 DOGANDAZ
 Date:
 10/04/2003
 Time:
 12:34
 Operator:
 Umarul-Ghaffar
 HSE Officer:

Logfile No.:
 IGS/S/01/21-22

SP

Logfile Model:
 DMP1-2

Logfile Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

