

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 12

Date:- 08-11-2022

Atal Power CASH

NAME OF SITE

GRAM PANCHAYAT- Haripur T Chandpur
DISTT- Pilibhit

BLOCK- Puranpur

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



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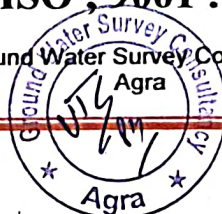
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HARIPUR T CHANDPUR, 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 08.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 - 14	9	Fine to Medium sand	
3.	14 - 16	2	Clay	
4.	16 - 28	12	Fine to Medium sand	Good
5.	28 - 32	4	Clay kankar	
6.	32 - 36	4	Medium sand	Good
7.	36 - 40	4	Kankar	
8.	40 - 48	8	Medium sand	Good
9.	48 - 55	7	Clay kankar	
10.	55 - 65*	10	Medium sand	Good
11.	65 - 69	4	Kankar	
12.	69 - 89*	20	Medium sand	Good
13.	89 - 94	5	Clay kankar	
14.	94 - 110*	16	Medium sand & Kankar	Good
15.	110 - 115	5	Clay kankar	
16.	115 - 123*	8	Medium sand & Kankar	Good
17.	123 - 126	3	Clay kankar	
18.	126 - 132	6	Fine sand	Good
19.	132 - 142	10	Clay kankar	
20.	142 - 150*	8	Medium sand	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 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

No. 3
 M16 (SN)
 M24 (LN)
 LAT

Date of Report
 Date of Test
 Name of Station
 Name of Operator

SP (mV)

