

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-3183

Date:- 08-03-2024

NAME OF SITE

GRAM PANCHAYAT- Banghi

BLOCK- HP Rani

DISTT- Shravasti

NAME OF AGENCY

M/s Vishwanath Project Limited
Shravasti



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- BANGHI, BLOCK- HP RANI, DISTT- SHRAVASTI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s M/s Vishwanath Project Limited, Shravasti.

On the request of M/s M/s Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 08.Mar.2024.

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:-

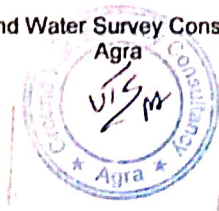
Mud Resistivity = 41.31 Ohms.

Drilling Water Resistivity = 43.49 Ohms.

Approx Water Level = 8 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 14	4	Clay kankar	
4.	14 - 21	7	Medium sand	Good
5.	21 - 28	7	Clay kankar	
6.	28 - 35	7	Medium sand	Good
7.	35 - 66	31	Clay kankar	
8.	66 - 72*	6	Medium sand	Good
9.	72 - 84	12	Clay kankar	
10.	84 - 92*	8	Fine to Medium sand & kan	Good
11.	92 - 105	13	Clay kankar	
12.	105 - 110*	5	Medium sand	Good
13.	110 - 115	5	Clay kankar	
14.	115 - 140*	25	Medium sand & kankar	Good
15.	140 - 153	13	Clay kankar	
16.	153 - 157*	4	Medium sand	Good
17.	157 - 165	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 tube well.
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.



