

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B-2525

Date:- 08-12-2023

NAME OF SITE

GRAM PANCHAYAT- Shree Nagar

BLOCK- Jamunaha

DISTT- Shravasti

NAME OF AGENCY

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- SHREE NAGAR, BLOCK- JAMUNAHA,
DISTT- SHRAVASTI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 162 mtrs. at above site. Was drilled by Vishwanath Project Limited, Shravasti.

On the request of Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29.Nov.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:-

Mud Resistivity = 22.43 Ohms.

Drilling Water Resistivity = 23.51 Ohms.

Approx Water Level = 2 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 12	5	Fine sand	
4.	12 - 20	8	Clay kankar	
5.	20 - 26	6	Fine to Medium sand	Good
6.	26 - 31	5	Clay kankar	
7.	31 - 41	10	Medium sand	Good
8.	41 - 47	6	Clay kankar	
9.	47 - 60*	13	Medium sand	Good
10.	60 - 65	5	Clay kankar	
11.	65 - 70*	5	Fine to Medium sand	Good
12.	70 - 85	15	Clay kankar	
13.	85 - 90*	5	Medium sand	Good
14.	90 - 100	10	Clay kankar	
15.	100 - 105*	5	Fine to Medium sand	Good
16.	105 - 110	5	Clay kankar	
17.	110 - 125*	15	Medium sand	Good
18.	125 - 133	8	Clay kankar	
19.	133 - 155*	22	Medium sand & kan	Good
20.	155 - 158	3	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.



