

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B-2697

Date:- 22-12-2023

**NAME OF SITE**

GRAM PANCHAYAT- Bhartapur

BLOCK- Ikauna

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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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHARTAPUR, BLOCK- IKAUNA,  
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 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 22.Dec.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 = 15.16 Ohms.

Drilling Water Resistivity = 17.83 Ohms.

Approx Water Level = 3 Mtr

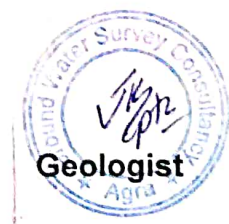
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Medium sand	Good
3.	21 - 25	4	Clay kankar	
4.	25 - 41	16	Medium sand	Good
5.	41 - 47	6	Clay kankar	
6.	47 - 63*	16	Medium sand	Good
7.	63 - 65	2	Clay kankar	
8.	65 - 76*	11	Medium sand	Good
9.	76 - 85	9	Clay kankar	
10.	85 - 92*	7	Medium sand	Good
11.	92 - 106	14	Clay kankar	
12.	106 - 114*	8	Medium sand	Good
13.	114 - 120	6	Clay kankar	
14.	120 - 135*	15	Medium sand	Good
15.	135 - 143	8	Clay kankar	
16.	143 - 150*	7	Medium sand	Good
17.	150 - 154	4	Clay kankar	
18.	154 - 165*	11	Medium sand	Good

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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.



Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location  
 Logging & Parameter  
 Equip. Name  
 Serial No.  
 Log No.  
 Date  
 Operator  
 Station Name  
 Well Name

Logger S. No.  
 IGIS/S/02/22-23

Logger Model  
 DMPL-2  
 Logger Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

