

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

A-4A1  
Ref No:-P- 329

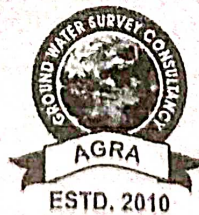
Date:- 09-05-2023

**NAME OF SITE**

GRAM PANCHAYAT- Kalanjari      BLOCK- Gonda      DISTT- Aligarh

**NAME OF AGENCY**

M/s Kalpataru Power Transmission Limited  
Aligarh



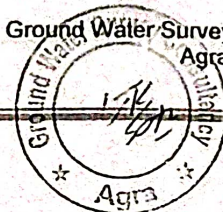
**GROUND WATER SURVEY CONSULTANCY**

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- KALANJARI, BLOCK- GONDA, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 115 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Aligarh.

On the request of M/s Kalpataru Power Transmission limited, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.May.2023.

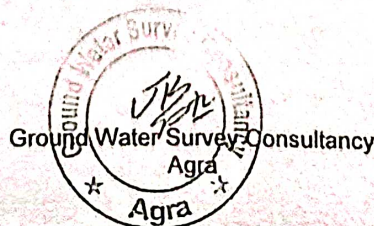
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 13.87 Ohms.

Drilling Water Resistivity = 14.40 Ohms.

Approx Water Level = 8 Mtr.

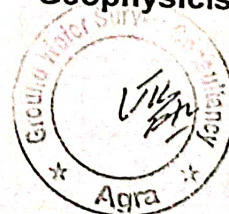
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 24	16	Medium sand & kankar	Med to Marginally
4.	24 - 28	4	Clay kankar	
5.	28 - 36*	8	Medium sand	Med to Marginally
6.	36 - 50	14	Clay kankar	
7.	50 - 59*	9	Medium sand	Med to Marginally
8.	59 - 115	56	Clay kankar	



**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 Medium to Marginally.
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  
 N16 (SN)  
 N64(LN)  
 LAT  
 Logging Details:  
 SINGH & SARTI SOCC  
 GEOTECHNICAL & GPR  
 SURVEYING  
 07 May 2023  
 14.02  
 17.00m  
 Logger SI No:  
 IGIS/S/03/21-22  
 Logger Model:  
 DMP-L-2  
 Logger Oriented by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

