

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-P- 619  
A-734

Date:- 06-06-2023

**NAME OF SITE**

GRAM PANCHAYAT- Tarapur Urf Rudayt      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.

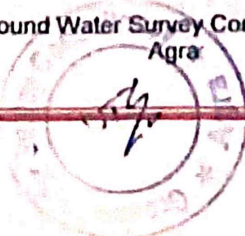
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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TARAPUR URF RUDAYT, BLOCK- GONDA, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 122 mtrs. depth. and Logged depth 114 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 06.June.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 = 14.41 Ohms.

Drilling Water Resistivity = 15.22 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Fine sand	
3.	14 - 16	2	Clay	
4.	16 - 22	6	Fine to Medium sand	Medium
5.	22 - 27	5	Kankar	
6.	27 - 41*	14	Medium sand	Medium
7.	41 - 114	73	Clay kankar	

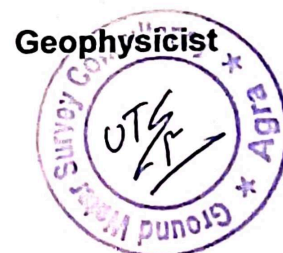
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**Conclusions and Recommendations :-**

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 Medium.
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.



**Ground Water Survey Consultancy**



Rho a  
 NI6(SN)  
 NS4(LN)  
 LAT

Logging Details  
 Logg. No. G3 Treadur Lock  
 Geol. Dept. Agrar  
 U.P. CDD/NDG  
 04.04.2023  
 13.11  
 Unwar. Geom. A.S.

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

Logger Model: DMP-L-2  
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY AGRA, UP, INDIA

