

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

B-912  
Ref No:-P- 703

Date:- 13-06-2023

### NAME OF SITE

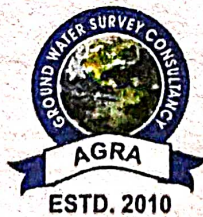
GRAM PANCHAYAT- Jaitholi

BLOCK- Iglas

DISTT- Aligarh

### NAME OF AGENCY

M/s Kalpataru Power Transmission Limited  
Aligarh



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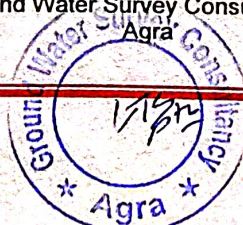
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAITHOLI, BLOCK- IGLAS, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 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 13.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 = 13.78 Ohms.

Drilling Water Resistivity = 14.29 Ohms.

Approx Water Level = 14 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 19	4	Clay kankar	
4.	19 - 27	8	Fine sand	
5.	27 - 34	7	Clay kankar	
6.	34 - 40*	6	Fine to Medium sand	Med to Marginally
7.	40 - 54	14	Clay kankar	
8.	54 - 60*	6	Fine to Medium sand	Med to Marginally
9.	60 - 66	6	Clay kankar	
10.	66 - 76*	10	Fine to Medium sand	Med to Marginally
11.	76 - 82	6	Clay kankar	
12.	82 - 92	10	Sand & kankar	Marginally saline
13.	92 - 100	8	Clay kankar	

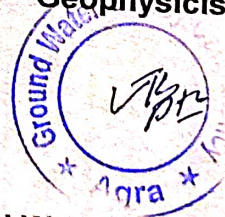
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**Conclusions and Recommendations :-**

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 Medium to Marginally saline.
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**

No a  
 N16 (N)  
 N64(N)  
 LAT

Logging Details  
 Logged by: J. J. J.  
 Date: 12/12/2022  
 Location: Agra  
 User: J. J. J.

Logger's No: IGIS/01/21-22

Logger Model: SP (m V)  
 DMP-2

Logger Owned By:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA UP, India

