

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

A-446

Ref No:-P- 331

Date:- 09-05-2023

**NAME OF SITE**

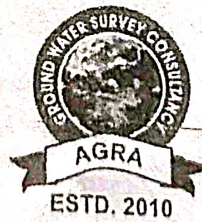
GRAM PANCHAYAT- Bilothi

BLOCK- Akrabad

DISTT- Aligarh

**NAME OF AGENCY**

M/s Kalpataru Power Transmission Limited  
Aligarh



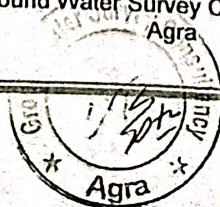
**GROUND WATER SURVEY CONSULTANCY**

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BILOTHI, BLOCK- AKRABAD, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 103 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 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 = 15.28 Ohms.

Drilling Water Resistivity = 16.43 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 - 12	7	Clay kankar	
3.	12 - 18	6	Fine sand	
4.	18 - 22	4	Clay kankar	
5.	22 - 38	16	Medium sand	Medium
6.	38 - 41	3	Clay kankar	
7.	41 - 50*	9	Medium sand	Medium
8.	50 - 63	13	Clay kankar	
9.	63 - 71*	8	Fine to Medium sand	Medium
10.	71 - 75	4	Clay kankar	
11.	75 - 82*	7	Medium sand	Medium
12.	82 - 86	4	Clay kankar	
13.	86 - 90*	4	Medium sand	Medium
14.	90 - 100	10	Clay kankar	

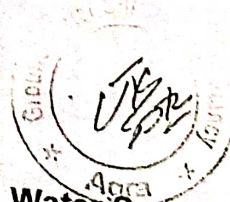
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Agra



**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.

**Geophysicist**



**Ground Water Survey Consultancy**

No. 1  
 NISIST  
 INSILIND  
 LAT

Logging Details  
 Date: 21/09/2022  
 Location: ...  
 ...  
 ...

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SP (m V)

DMAP-2

Ground Water  
 Survey  
 Consistency  
 - ASRA BUDA

