

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- P- 529  
B-695

Date:- 28-05-2023

### NAME OF SITE

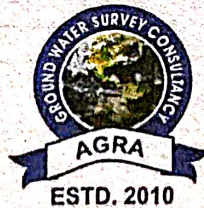
GRAM PANCHAYAT- Beloth

BLOCK- Iglas

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- BELOTH, BLOCK- IGLAS, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 is conduct at above bore hole using IGIS Well Logger on 28.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 = 15.67 Ohms.

Drilling Water Resistivity = 16.80 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Dry sand	
3.	13 - 16	3	Fine sand	
4.	16 - 20	4	Clay kankar	
5.	20 - 40	20	Medium sand & kankar	Medium
6.	40 - 47	7	Clay kankar	
7.	47 - 55*	8	Medium sand	Medium
8.	55 - 60	5	Clay kankar	
9.	60 - 67	7	Sand & kankar	Med to Marginally
10.	67 - 82	5	Clay kankar	
11.	82 - 90*	8	Fine to Medium sand	Med to Marginally
12.	90 - 110	20	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 tubewell.
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**



logging vi bealeth  
block iglas distt  
allpans.  
LOGGIN/GUP  
28 Mar, 2023  
21.50  
utkarsrh

Rho a  
N16(SN)  
N64(LN)  
LAT

SP (m V)

