

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

B-767  
Ref No:- P- 590

Date:- 03-06-2023

### NAME OF SITE

GRAM PANCHAYAT- Navnagar

BLOCK- Iglas

DISTT- Aligarh

### NAME OF AGENCY

M/s Kalpataru Power Transmission Limited  
Aligarh



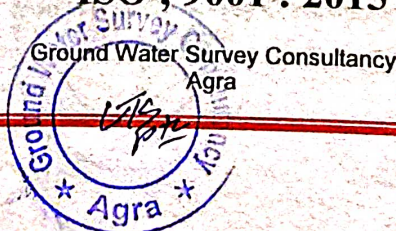
## GROUND WATER SURVEY CONSULTANCY

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

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**





# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 98 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 03.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 = 15.23 Ohms.

Drilling Water Resistivity = 16.33 Ohms.

Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Fine sand	
3.	12 - 20	8	Clay kankar	
4.	20 - 28	8	Fine to Medium sand	Medium
5.	28 - 34	6	Clay kankar	
6.	34 - 42*	8	Fine to Medium sand	Medium
7.	42 - 51	9	Clay kankar	
8.	51 - 57*	6	Fine to Medium sand	Medium
9.	57 - 65	8	Clay kankar	
10.	65 - 73	8	Sand & kankar	
11.	73 - 98	25	Clay kankar	

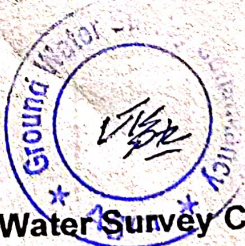




**Conclusions and Recommendations :-**

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 tubewell.
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**



Logging vi  
 nama alat blok:  
 logis drift aligash  
 LOGGING  
 03 Jun 2023  
 15:42  
 ulkharsh

Rho a  
 N16 (SN)  
 N64(LN)  
 LAT

SP (m V)

