

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

A-303

Ref No:-P- 172

Date:- 19-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Dhurra Todrpur      BLOCK- Bijauli      DISTT- Aligarh

**NAME OF AGENCY**

M/s Kalpataru Power Transmission Limited  
Aligarh



**GROUND WATER SURVEY CONSULTANCY**

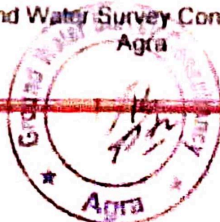
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

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

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHURRA TODRPUR, BLOCK- BIJAULI, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 115 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 19.April.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 = 14.36 Ohms.

Drilling Water Resistivity = 13.25 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 14	4	Clay kankar	
4.	14 - 17	3	Medium sand	Medium
5.	17 - 25	8	Clay kankar	
6.	25 - 40*	15	Medium sand & Kankar	Medium
7.	40 - 49	9	Clay kankar	
8.	49 - 63*	14	Medium sand	Medium
9.	63 - 99	36	Clay kankar	
10.	99 - 105*	6	Medium sand	Medium
11.	105 - 115	10	Clay kankar	

Ground Water Survey Consultancy  
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**

Rno 3  
 N 16(SN)  
 N 64 (LN)  
 LAT

LOGGING  
 Log No: 10/10/11  
 Date: 13/11/11  
 Operator: [unclear]  
 Site: [unclear]

Logger S No: IGIS/S/01/10-11

Logger Model: SP

DMPL-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

