

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 103

Date:- 14-07-2024

### NAME OF SITE

GRAM PANCHAYAT- Bahrapur

BLOCK- Jakhaniya

DISTT- Ghazipur

### NAME OF AGENCY

M/s HFCL Pvt. Ltd.  
Ghazipur



## GROUND WATER SURVEY CONSULTANCY

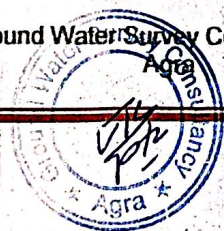
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



Q = 460  
98 + 12  
300 x 300

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAHRAMPUR, BLOCK- JAKHANIYA, DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. Depth and Logged depth 115 mtrs. at above site. Was drilled by M/S HFCL Pvt. Ltd. Ghazipur.

On the request of M/S HFCL Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 14.July.2024.

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 = 15.90 Ohms.

Drilling Water Resistivity = 16.32 Ohms.

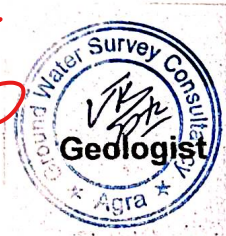
Approx Water Level = 8 Mtr

300 x 300

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	25 - 39	14 - 13.50	Medium sand	Good
2.	62 - 65	3	Very Fine sand	Moderate
3.	85 - 91	6	Fine sand	Moderate

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly  
2. Clay kankar is present in depth range 10-24, 40-61, 66-80, and 92 mtr bgl to till depth logged.

BP = 3  
Cement Seal = 46





Rho a  
 N16 (SN)  
 N64 (LN)  
 LAT  
 Logging Details:  
 Log # 90 237767000  
 Rock # 237767000  
 P1 # 237767000  
 US LOGGERS  
 14 JUL 2024  
 12.55  
 Location: Surin (G)  
 Logger SI No:  
 IGIS/S/02/23-24  
 Logger Model:  
 DMP-2  
 Logger Owned by:  
 Ground Water  
 Survey Consultancy  
 Agra UP India

