

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-340

Date:- 23-06-2024

### NAME OF SITE

GRAM PANCHAYAT- Maudha

BLOCK- Saidpur

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

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

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAUDHA, BLOCK- SAIDPUR, DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 310 mtrs. Depth and Logged depth 301 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 26.Sep.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 = 14.90 Ohms.

Drilling Water Resistivity = 16.87 Ohms.

Approx Water Level = 8 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	22 - 25	3	Fine sand	Mod to Good
2.	34 - 42	8	Medium sand	Good
3.	115 - 121	6	Fine to Medium sand	Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly  
2. Clay kankar is present in depth range 9-21, 26-33, 43-47, 55-75, 99-114, 122-159 Mtr bgl.  
4. Quality Of Ground water is deteriorating Marginally Saline in below 48-98, and 160 Mtr bgl to till depth logged.





Rho a  
 N16 (SN)  
 N64 (LN)  
 LAT  
 Logging Details:  
 Log no. 1634  
 Log date 23/09/2024  
 Log time 16:34  
 Log location 1634  
 Log operator (Name)  
 Logger S.No.:  
 IGIS/S/02/23-24  
 Logger Model:  
 DMP-2  
 Logger Owned by:  
 Ground Water  
 Survey Consultancy  
 Agra UP India

