

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 350

Date:- 07-10-2024

### NAME OF SITE

GRAM PANCHAYAT- Sultanipur & Souhipur 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.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SULTANIPUR & SOUPHIPUR, BLOCK- JAKHANIYA,  
DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

260  
98+12  
300X300

## Introduction :

A Deep bore hole was drilled 120 mtrs. Depth and Logged depth 100 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 07.Oct.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 = 13.90 Ohms.

Drilling Water Resistivity = 14.97 Ohms.

Approx Water Level = 6 Mtr

300X300

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	13 - 20	7	Fine Med sand & kankar	Good
2.	31 - 35	4	Fine sand	Moderate
3.	41 - 45	4	Fine sand & kankar	Moderate
4.	59 - 63	4 - 3	Fine to Medium sand	Good
5.	71 - 78	7 - 6	Medium sand	Good
6.	80 - 85	5 - 3	Medium sand	Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly  
2. Clay kankar is present in depth range 21-30, 36-40, 46-58, 64-70 and 86 mtr bgl to till depth logged.

BP = 3



