

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 96

Date:- 30-06-2024

### NAME OF SITE

GRAM PANCHAYAT- Sikendar Chak Hatim      BLOCK- Deokali      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- SIKENDAR CHAK HATIM, BLOCK- DEOKALI, DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 220 mtrs. Depth and Logged depth 217 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 30.June.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:-

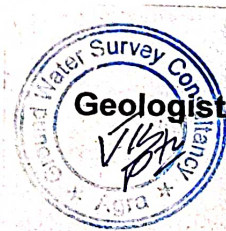
Mud Resistivity = 12.54 Ohms.

Drilling Water Resistivity = 11.90 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	20 - 30	10	Fine to Medium sand	Good
2.	35 - 39	4	Fine to Medium sand	Good
3.	42 - 46	4	Medium sand	Good
4.	55 - 60	5	Fine sand & kankar	Moderate
5.	115 - 118	3	Fine sand	Mod to Good
6.	120 - 130	10	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 10-19, 31-34, 40-41, 47-54, 61-114, 131-157, 161-176, 191-194, 211 mtr bgl to till depth logged.  
3. Quality Of Ground water is deteriorating Marginally Saline in below 158-160, 177-190, 195-210 Mtr bgl.





	N16 (SN)
	N64(LN)

### Logging Details:

[illegible]

1615/5/02/23-24

SP (mV)

DMP-2

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Survey Consultancy  
Agra UP India**

