

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2121

Date:- 04-11-2023

### NAME OF SITE

GRAM PANCHAYAT- Pahadpur Haldhar

BLOCK- Saidpur DISTT- Ghazipur

### NAME OF AGENCY

M/s HFCL Pvt. Ltd.  
Ghazipur



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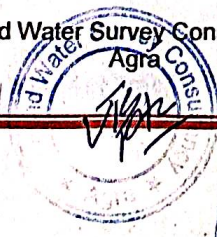
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

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

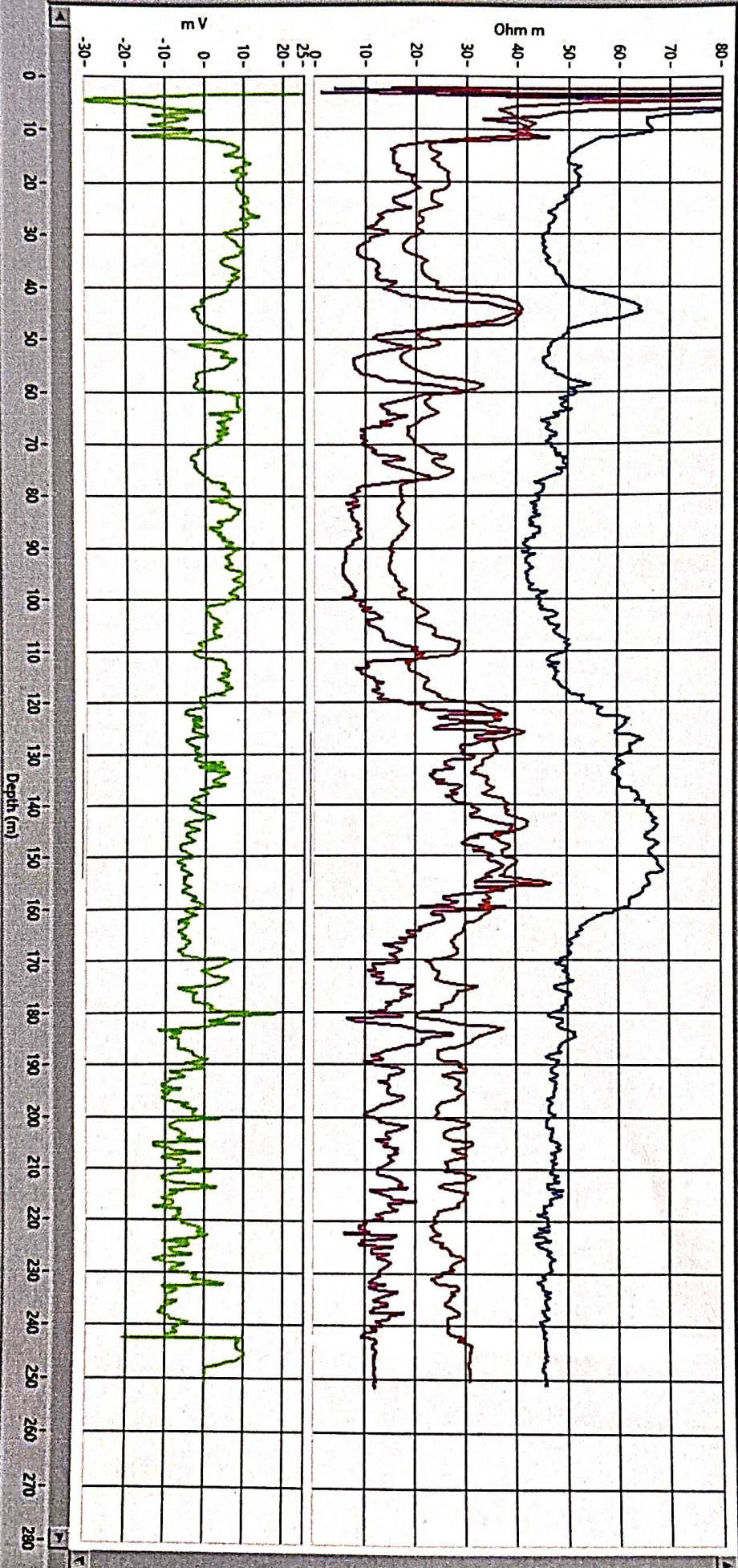
**ISO ; 9001 : 2015**

Ground Water Survey Consultancy





☐ Rho a  
☒ NI6 (SN)  
☒ NI4(LN)  
☒ LAT  
 Logging Details:  
 Logging GP: 03/11/2023  
 Project: 03/11/2023  
 Date: 04 Nov 2023  
 Time: 17:05  
 Location: Gurgaon (G)  
 Logger SI No: IG/S/02/23-24  
 Logger Model: DMPL-2  
 Logger Owned by: Ground Water Survey Consistency  
 Agra UP India





# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 300mtrs. depth. and Logged depth 247 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 04.Nov.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 = 14.72 Ohms.

Drilling Water Resistivity = 12.66 Ohms.

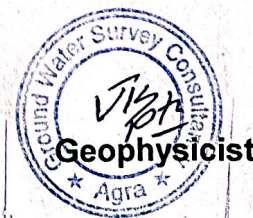
Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	41 - 46	5	Medium sand	Good
2.	58 - 60	2	Fine sand	Mod to Good
3.	70 - 75	5	Fine sand	Mod to Good
4.	120 - 130	10	Medium sand	Good
5.	138 - 160	22	Medium sand	Good

Note : 1. Please ensure pre-monsoon water level before lower the well assembly

2. Predominated clay is present in depth range 50 to 57 and 110 to 108 mtr bgl.

3. Clay kankar is present in depth range 163 mtr bgl to till depth logged.



Geophysicist