

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 129

Date:- 07-10-2024

### NAME OF SITE

GRAM PANCHAYAT- Padampur Ramrai 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  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 120 mtrs. Depth and Logged depth 120 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 = 16.10 Ohms.

Drilling Water Resistivity = 17.90 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	13 - 17	4	Fine to Medium sand	Good
2.	27 - 35	8 - 6	Medium sand	Good
3.	40 - 45	5 - 4.50	Medium sand	Good
4.	55 - 58	3 - 2.50	Fine to Medium sand	Mod to Good
5.	65 - 71	6	Fine to Medium sand	Mod to Good
6.	95 - 100	5	Fine sand	Moderate

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly  
2. Clay kankar is present in depth range 18-26, 36-39, 46-54, 59-64, 72-94 and 105 mtr bgl to till depth logged.

BP = 3m  
Cement Seal = 67





