

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



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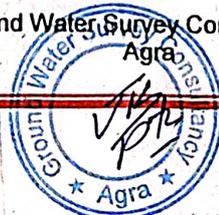
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

290

98x12

300x300

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-

WOT Required

Mud Resistivity = 16.10 Ohms.

Drilling Water Resistivity = 17.90 Ohms.

Approx Water Level = 6 Mtr

300x300

(28.75-34.75)

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



