

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-2832

Date:- 05-01-2024

NAME OF SITE

GRAM PANCHAYAT- Kothiya

BLOCK- Jhakaniya

DISTT- Ghazipur

NAME OF AGENCY

M/s HFCL Pvt. Ltd.
Ghazipur



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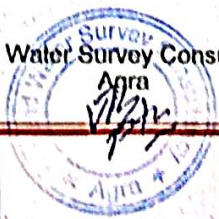
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KOTHIYA, BLOCK- JHAKANIYA, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. Depth and Logged depth 115 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 05.Jan.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 = 13.03 Ohms.

Drilling Water Resistivity = 16.43 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	15 - 23	8	Medium sand	Good
2.	28 - 30	2	Fine sand	Moderate
3.	35 - 40	5	Fine sand - 4.50	Mod to Good
4.	45 - 48	3	Fine sand - 2.50	Moderate
5.	63 - 70	7	Medium sand - 6.50	Good

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

2. Clay kankar is present in depth range 24-27, 31-34, 41-44, 49-62, and 71 Mtr bgl to till depth logged.

Geologist

