

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 376

Date:- 20-10-2024

NAME OF SITE

GRAM PANCHAYAT- Dudhaura

BLOCK- Kasimabad

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- DUDHAURA, BLOCK- KASIMABAD, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. Depth and Logged depth 91 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 20.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 = 15.90 Ohms.

Drilling Water Resistivity = 16.21 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	11 - 14	3	Fine to Medium sand	Good
2.	29 - 32	3	Fine sand	Mod to Good
3.	60 - 64	4	Fine to medium sand	Good
4.	70 - 75	5	Fine sand & kankar	Mod to Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth 5-10, 15-28, 33-59, 65-69 and 76 Mtr bgl to till depth logged.



Geologist

Rho a
 M16 (SN)
 NS4(LN)
 LAT
 Logging Details:
 Logging for surface rock
 401-4030 0.1m per 10m
 UT LOGGING
 20 Oct 2024
 21:31
 IN
 Logger S No:
 IGIS/S/02/23-24
 Logger Model:
 DMPL-2
 Logger Owned by:
 Ground Water
 Survey Consultancy
 Agra UP India

