

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 289

Date:- 13-08-2024

NAME OF SITE

GRAM PANCHAYAT- Khajur Gaon

BLOCK- Mardah

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- KHAJUR GAON, BLOCK- MARDAH, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

415
50 x 50
66 x 18
20 x 150

Introduction :

A Deep bore hole was drilled 350 mtrs. depth. and Logged depth 328 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 13.Aug.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 = 14.11 Ohms.

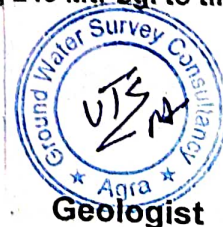
Approx Water Level = 8 Mtr

20 x 150

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	50 - 58	8	Fine to Medium sand	Good
2.	78 - 100	22	Medium sand & kankar	Good
3.	118 - 122	4	Fine sand	Moderate
4.	191 - 194	3	Fine sand	Moderate
5.	220 - 245	25 - 24	Medium sand & kankar	Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 10-49, 59-77, 101-117, 123-190, 195-219, 246 Mtr bgl to till depth logged.

BP = 6m



N 16(SN)
N 64 (LN)
LAT

Location: 7850 17th Ave SW
 Maiden name: [redacted]
 Log No.: [redacted]
 UP LOGGING: [redacted]
 Date: 13 Aug 2024
 Time: 14:55
 Observer: [redacted]
 Start Date: 13 Aug 2024
 Wet Date: [redacted]

Loger S' No: 1615/S/02/23-24

SP 

DMP-2

Offered by:

**Ground Water
Survey Consultancy
Agra UP India**

