

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 408

Date:- 21-11-2024

NAME OF SITE

GRAM PANCHAYAT- Molanapur 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

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Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOLANAPUR, 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 21.Nov.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 = 12.18 Ohms.

Drilling Water Resistivity = 13.90 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	13 - 17	4	Fine sand	Good
2.	28 - 31	3	Fine to Medium sand	Good
3.	67 - 80	13	Fine to Medium sand	Good

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Clay kankar is present in depth range 18-27, 32-38, 47-66 and 81 Mtr bgl to till depth logged.
 3. Quality Of Ground water is deteriorating Marginally Saline in below 39-46 Mtr bgl.



Geologist

