GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B- 498

Date:- 17-01-2025

NAME OF SITE

GRAM PANCHAYAT- Usia Zone, A-2 BLOCK- Bhadaura

DISTT- Ghazipur

NAME OF AGENCY

M/s HFCL Pvt. Ltd. Ghazipur

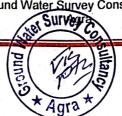


GROUND WATER SURVEY CONSULTANCY

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

ISO; 9001: 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING

GRAM PANCHAYAT- USIA ZONE, A-2, BLOCK- BHADAURA, DISTT- GHAZIPUR UNDER
JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 200 mtrs. Depth and Logged depth 165 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 17.Jan.2025.

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 = 17.90 Ohms.

Drilling Water Resistivity = 18.21 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality		
1.	39 - 51	12	Medium sand	Good		
2.	55 - 63	8	Medium sand	Good		
3.	67 - 72	5	Medium sand	Good		
4.	76 - 79	3	Fine to Medium sand	Good		
5.	80 - 83	3	Fine sand	Good		
6.	103 - 107	4	Medium sand	Good		
7.	117 - 130	13	Medium sand	Good		
8.	141 - 148	7	Medium sand & kankar	Good		
9.	150 - 155	5	Medium sand & kankar	Good		

Note:- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth 7-38, 52-54, 64-66, 73-75, 84-102, 108-116, 131-140 and 156 Mtr bgl to till depth logged.



	Survey Consultancy Agra UP India	Logger Owned by:	Logger Mode: DMPL-2	Sp (m V)		IGIS/S/02/23-24	Logger Si No:			17 de 2025	grazov	Logging Details:	NA(IN)	N16 (SN)
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