

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-2922

Date:- 15-01-2024

NAME OF SITE

GRAM PANCHAYAT- Math Uchouri

BLOCK- Saidpur

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

Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MATH UCHOURI, BLOCK- SAIDPUR, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 300 mtrs. Depth and Logged depth 280 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 15.Jan.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 = 12.03 Ohms.

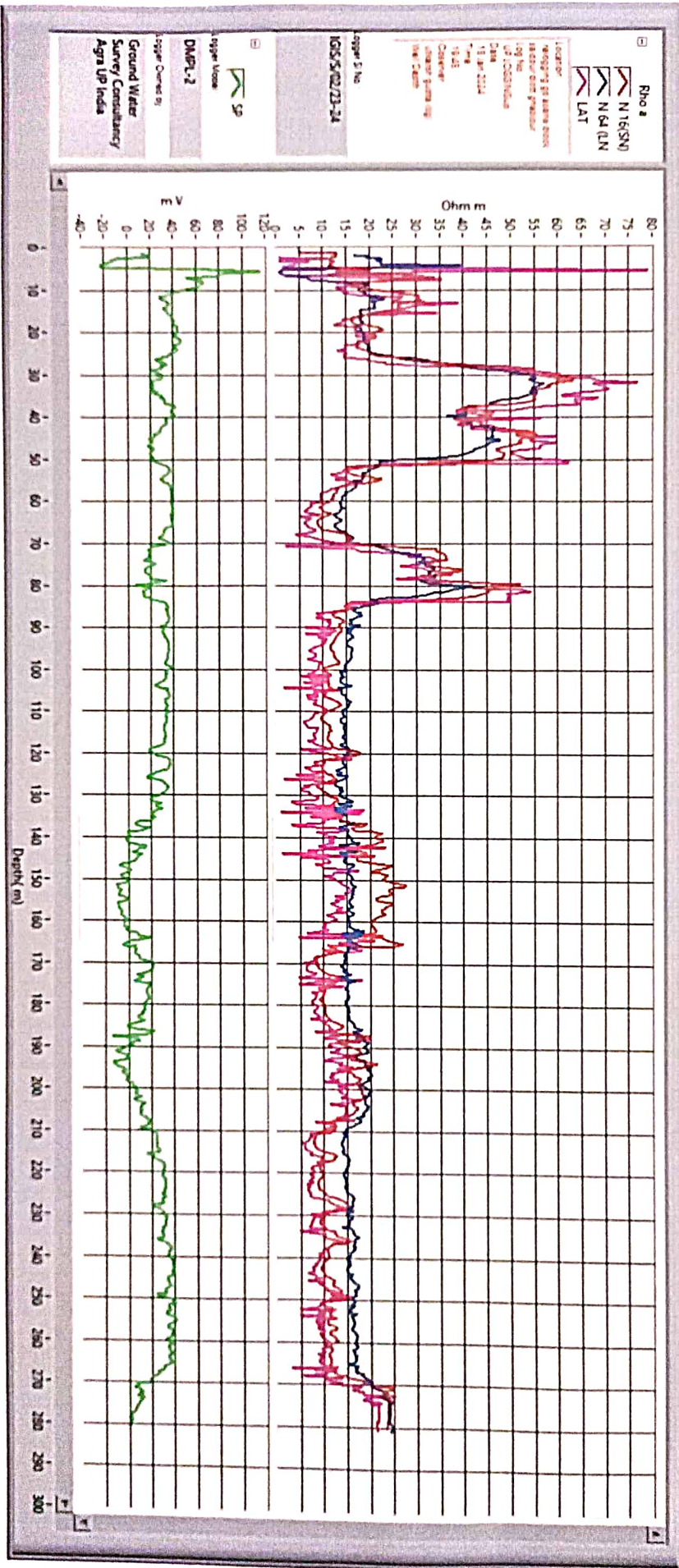
Drilling Water Resistivity = 14.01 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	27 - 36	9	Medium sand	Good
2.	43 - 50	7	Medium sand	Good
3.	72 - 82	10	Fine to Medium sand	Good

- Note :-**
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Predominated clay is present in depth range 18-26, 51-70 mtr bgl to till depth logged.
 3. Clay kankar is present in depth range 83-130 161-184, 210-267 Mtr bgl.
 4. Quality Of Ground water is deteriorating Marginally Saline in below 140-160, 187-208 and 270 Mtr bgl to till depth logged.





15/1/24