

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-372

Date:- 19-10-2024

NAME OF SITE

GRAM PANCHAYAT- Mandappa

BLOCK- Deokali

DISTT- Ghazipur

NAME OF AGENCY

M/s HFCL Pvt. Ltd.
Ghazipur



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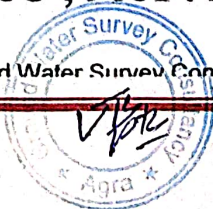
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MANDAPPA, BLOCK- DEOKALI, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 220 mtrs. Depth and Logged depth 220 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 19.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 = 14.17 Ohms.

Drilling Water Resistivity = 13.90 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	10 - 14	4	Fine sand	Mod to Good
2.	24 - 27	3	Fine to Medium sand	Good
3.	126 - 149	23	Medium sand & kankar	Good
4.	160 - 165	5	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 15-23, 28-34, 39-49, 56-64, 71-76, 81-97, 103-125, 150-159, 166-167, 173-174 and 179 Mtr bgl to till depth logged.
 3. Quality Of Ground water is deteriorating Marginally Saline in below 35-38, 50-55, 65-70, 77-80, 98-102, 168-172, 175-178 Mtr bgl.



