

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A- 1733

Date:- 01-10-2023

NAME OF SITE

GRAM PANCHAYAT- Gurehu

BLOCK- Dhanapur

DISTT- Chandauli

NAME OF AGENCY

M/s ION Exchange India Limited
Chandauli



GROUND WATER SURVEY CONSULTANCY

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

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Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- GUREHU, BLOCK- DHANAPUR, DISTT- CHANDAULI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 185 mtrs. depth. and Logged depth 175 mtrs. at above site. Was drilled by M/S ION Exchange India Limited. Chandauli.

On the request of M/S ION Exchange India Limited. Chandauli. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 01.Oct.2023.

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 = 12.06 Ohms.

Drilling Water Resistivity = 13.55 Ohms.

Approx Water Level = 11 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	65 - 75	10	Fine to medium sand	Good
2.	78 - 94	16	Medium sand	Good
3.	100 - 125	25	Fine to medium sand	Good
4.	143 - 146	3	Fine sand	Good
5.	154 - 157	3	Fine to medium sand	Good
6.	168 - 175	7	Medium sand	Good

Note :- Please ensure pre-monsoon water level before lower the well assembly



