

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A- 1734

Date:- 01-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Amara zone 3 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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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



**REPORT ON GEOPHYSICAL WELL LOGGING**  
**AT**  
**GRAM PANCHAYAT- AMARA ZONE 3, BLOCK- DHANAPUR, DISTT- CHANDAULI**  
**UNDER**  
**JAL JIVAN MISSION**

**Introduction :**

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 155 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 = 09.70 Ohms.

Drilling Water Resistivity = 09.34 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	45 - 50	5	Fine to medium sand	Mod to Good
2.	58 - 70	12	Medium sand	Good
3.	87 - 105	18	Fine to medium sand	Good
4.	115 - 120	5	Fine to medium sand	Good
5.	145 - 150	5	Medium sand	Good

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

  
**Geophysicist**

