

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A- 1610

Date:- 10-09-2023

NAME OF SITE

GRAM PANCHAYAT- Hingutar Jagdishpur

BLOCK- Dhanapur

DISTT- Chandauli

NAME OF AGENCY

ION Exchange India Limited
Chandauli



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

Agra



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

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 185 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 10.Sep.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 = 14.79 Ohms.

Drilling Water Resistivity = 16.76 Ohms.

Approx Water Level = 11 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	35 - 44	9	Medium sand	Good
2.	70 - 74	4	Fine to Medium sand	Good
3.	76 - 85	9	Medium sand	Good
4.	110 - 115	5	Medium sand	Good
5.	122 - 134	12	Medium sand & kankar	Good
6.	161 - 166	5	Medium sand	Good
7.	171 - 180	9	Medium sand	Good

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


Geophysicist

Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging Details:
 Logging SP (mV)
 Approximate Rock description
 Direct Channel
 UP (CGG) N64a
 10 548 2023
 1333
 unmarked points (S)

Logger S No: IGIS/S/02/23-24

Logger Model: SP (mV)

Logger Model: DMP-L-2

Logger Owned by: Ground Water Survey Consultancy, Agra UP India

