

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2671

Date:- 13-03-2024

NAME OF SITE

GRAM PANCHAYAT- Sudana

BLOCK- Barahani

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.

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- SUDANA, BLOCK- BARAHANI, DISTT- CHANDAULI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 174 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 13.Mar.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 = 16.09 Ohms.

Drilling Water Resistivity = 17.32 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	16 - 40	24	Medium sand & kankar	Good
2.	46 - 50	4	Fine sand	Good
3.	70 - 76	6	Fine to Medium sand	Good
4.	82 - 89	7	Fine to Medium sand	Good
5.	98 - 104	6	Medium sand	Good
6.	124 - 135	11	Medium sand & kankar	Good
7.	141 - 163	22	Medium sand	Good

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

1. Predominated clay is present in depth range 77-81, 136-140 mtr bgl.

2. Clay kankar is present in depth range 41-43, 51-69, 90-97, 105-123, 164 mtr bgl to till depth logged.



Rho a
N16 (SN)
N64(LIN)
LAT

Logging Details:
Log for location book
Station: 201 (P-201)
UT: JODHPUR
13 Nov 2024
20.21
Water from 201

Logger S. No.
IGS/S/02/23-24

SP (m V)

Logger Model
DAPL-2

Logger Owned by

Ground Water
Survey Consultancy
Agrajip India

