

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-A-2425

Date:- 26-12-2023

NAME OF SITE

GRAM PANCHAYAT- Sarai Jawaharpur BLOCK- Sakit DISTT- Etah

NAME OF AGENCY

M/s ION Exchange India Limited
Etah



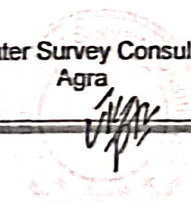
GROUND WATER SURVEY CONSULTANCY

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- SARAI JAWAHARPUR, BLOCK- SAKIT, DISTT-ETAH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 100 mtrs. at above site. Was drilled by M/s ION Exchange India Limited, Etah.

On the request of M/s ION Exchange India Limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 26.Dec.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 = 11.28 Ohms.

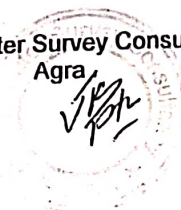
Drilling Water Resistivity = 12.80 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 23	13	Fine to Medium sand	Medium
4.	23 - 28	5	Clay kankar	
5.	28 - 32	4	Fine sand	Medium
6.	32 - 38	6	Clay kankar	
7.	38 - 43*	5	Fine to Medium sand	Medium
8.	43 - 56	13	Clay kankar	
9.	56 - 61	5	Fine sand	Saline
10.	61 - 71	10	Clay kankar	
11.	71 - 80	9	Fine sand	Saline
12.	80 - 93	13	Clay kankar	
13.	93 - 95	2	Fine sand	Saline
14.	95 - 100	5	Clay kankar	


Ground Water Survey Consultancy


Agra



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible Development of tube well.
3. The Quality of water is expected Medium to saline.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.


Geologist



Rho a
 M16 (SN)
 NS4(LN)
 LAT

Logging Details
 23/04/2011
 10:00 AM
 22/04/2011
 11:15
 1072

Logger's No
 IGIS/SO1/10-11

SP (m V)

Logger Name:
 DMP1-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

