

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-A-2350

Date:- 13-12-2023

NAME OF SITE

GRAM PANCHAYAT- Mansukhpur

BLOCK- Sakit

DISTT- Etah

NAME OF AGENCY

M/s ION Exchange India Limited
Etah



GROUND WATER SURVEY CONSULTANCY

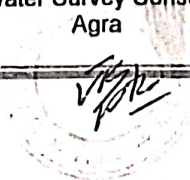
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MANSUKHPUR, BLOCK- SAKIT, DISTT-ETAH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 13.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 = 13.29 Ohms.

Drilling Water Resistivity = 14.80 Ohms.

Approx Water Level = 14 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 28	13	Medium sand	Medium
5.	28 - 30	2	Clay kankar	
6.	30 - 35*	5	Medium sand	Medium
7.	35 - 40	5	Clay kankar	
8.	40 - 45*	5	Medium sand	Medium
9.	45 - 50	5	Clay kankar	
10.	50 - 55	5	Fine sand	Saline
11.	55 - 110	55	Clay kankar	

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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

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 M16 (SN)
 NS4(LN)
 LAT
 Logging Details:
 022 PG V M...
 20...
 US LOSSING...
 13...
 18 22
 ...
 Logget S No
 IGIS/SO3/21-22
 Logget Voice:
 SP (m V)
 DMP-L-2
 Logget On: 22/07/2022
 GROUND WATER
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