

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- P- 527 B-683

Date:- 29-05-2023

NAME OF SITE

GRAM PANCHAYAT- Takhavan

BLOCK- Jalesar

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

Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TAKHAVAN, BLOCK- JALESAR, DISTT-ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 93 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 29.May.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 = 14.85 Ohms.

Drilling Water Resistivity = 15.74 Ohms

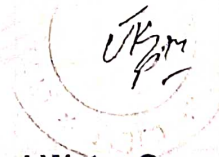
Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Fine sand	
3.	9 - 14	5	Clay kankar	
4.	14 - 25	11	Medium sand	Medium
5.	25 - 37	12	Clay kankar	
6.	37 - 43	6	Sand & kankar	
7.	43 - 52	9	Clay kankar	
8.	52 - 60*	8	Medium sand	Med to Marginally
9.	60 - 66	6	Clay kankar	
10.	66 - 75*	9	Medium sand	Med to Marginally
11.	75 - 93	18	Clay kankar	

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 Marginally.
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.

Geophysicist



Ground Water Survey Consultancy

Rho a
 N16 (SNT)
 NSM(LIN)
 LAT

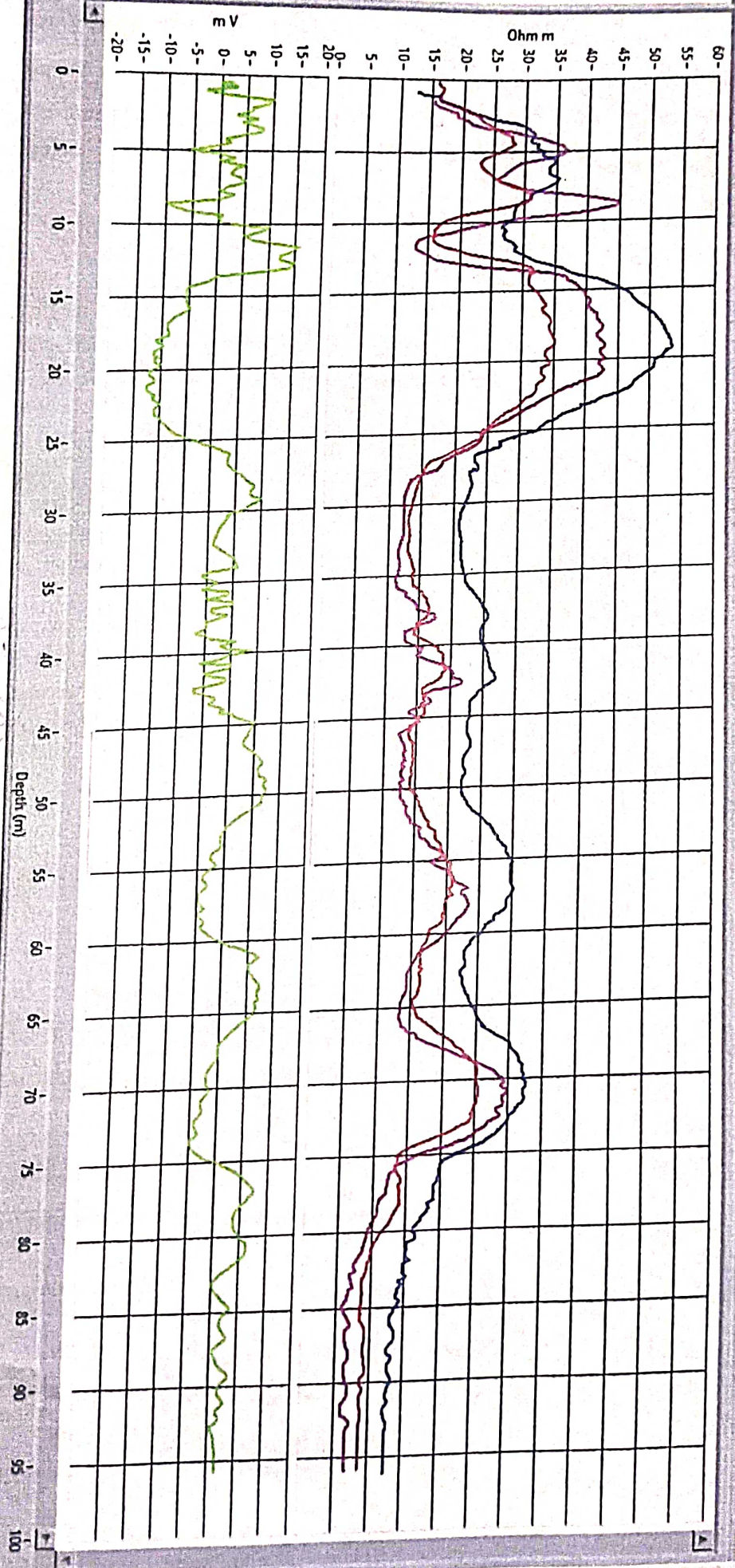
Logging Details:
 Project: ...
 Date: ...
 Location: ...
 Operator: ...

Logger S. No.
 IQS/SOJ/21-22

Logger Model:
 SP (m V)

DMP1-2

Logger Operated by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA



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- Logging performed as per
SWSM guidelines.
- Groundwater quality
interpreted by form
as per their logger G-8h
calibration
31/05/23