

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 100 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 01.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 = 12.64 Ohms.

Drilling Water Resistivity = 13.52 Ohms.

Approx Water Level = 20 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 36	11	Sand & kankar	Med to Marginally
5.	36 - 40	4	Clay kankar	
6.	40 - 43	3	Fine sand	Med to Marginally
7.	43 - 49	6	Clay kankar	
8.	49 - 57	8	Fine sand	Med to Marginally
9.	57 - 79	22	Clay kankar	
10.	79 - 83	4	Fine sand	Med to Marginally
11.	83 - 100	17	Clay kankar	

Ground Water Survey Consultancy

Agra

