

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 mtrs. at above site. Was drilled by M/s Kalpataru Project International Pvt. Ltd, Aligarh.

On the request of M/s Kalpataru Project International Pvt. Ltd, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.Oct.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 = 15.23 Ohms.

Drilling Water Resistivity = 16.12 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Dry sand	
3.	12 - 20	8	Clay kankar	
4.	20 - 27	7	Medium sand	Medium
5.	27 - 50	23	Clay kankar	
6.	50 - 64*	14	Medium sand	Medium
7.	64 - 79	15	Clay kankar	
8.	79 - 91*	12	Fine to Medium sand	Medium
9.	91 - 105	14	Clay kankar	

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

Ground Water Survey Consultancy

