

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHARSULIYA -2ND, BLOCK- ALIGANJ, DISTT- ETAH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 115 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.Aug.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 = 16.87 Ohms.

Drilling Water Resistivity = 17.63 Ohms.

Approx Water Level = 21 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 32	7	Fine to Medium sand	Medium
5.	32 - 42	10	Clay kankar	
6.	42 - 60*	18	Medium sand	Medium
7.	60 - 79	19	Clay kankar	
8.	79 - 90*	11	Medium sand	Medium
9.	90 - 115	25	Clay kankar	