

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHARSULIYA, BLOCK-ALIGANJ, 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 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 20.Jul.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 = 16.52 Ohms.

Drilling Water Resistivity = 17.60 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 - 18	13	Dry sand	
3.	18 - 24	6	Clay kankar	
4.	24 - 30	6	Medium sand	Medium
5.	30 - 40	10	Clay kankar	
6.	40 - 58*	18	Medium sand	Medium
7.	58 - 78	20	Clay kankar	
8.	78 - 90*	12	Medium sand	Medium
9.	90 - 110	20	Clay kankar	

