

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHIRIYA, BLOCK- JAITHRA, 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.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 = 15.70 Ohms.

Drilling Water Resistivity = 16.37 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 22	12	Medium sand	Medium
4.	22 - 26	4	Clay kankar	
5.	26 - 30	4	Fine sand	Medium
6.	30 - 51	21	Clay kankar	
7.	51 - 61*	10	Medium sand	Medium
8.	61 - 69	8	Clay kankar	
9.	69 - 72*	3	Fine to medium sand	Medium
10.	72 - 79	7	Clay kankar	
11.	79 - 90*	11	Fine to medium sand	Medium
12.	90 - 110	20	Clay kankar	

