

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SALEMPUR KHERIYA, BLOCK- SAKIT, 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 13.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 = 15.71 Ohms.

Drilling Water Resistivity = 16.59 Ohms.

Approx Water Level = 4.5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Medium sand	
3.	19 - 24	5	Clay kankar	
4.	24 - 27	3	Fine sand	Medium
5.	27 - 39	12	Clay kankar	
6.	39 - 46*	7	Medium sand	Medium
7.	46 - 56	10	Clay kankar	
8.	56 - 59	3	Fine sand	Medium
9.	59 - 64	5	Clay kankar	
10.	64 - 85*	21	Medium sand	Medium
11.	85 - 110	25	Clay kankar	

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

Ground Water Survey Consultancy

