

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 100 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 06.Sep.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 = 15.43 Ohms.

Drilling Water Resistivity = 16.28 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 15	5	Fine to Medium sand	Medium
4.	15 - 21	6	Clay kankar	
5.	21 - 26	5	Fine to Medium sand	Medium
6.	26 - 35	9	Clay kankar	
7.	35 - 56*	21	Medium sand	Medium
8.	56 - 77	21	Clay kankar	
9.	77 - 90*	13	Fine to Medium sand	Med to Marginally
10.	90 - 100	10	Clay kankar	

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

Ground Water Survey Consultancy

