

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MANOURA , BLOCK- NIDHAULI KALAN, 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 I GIS Well Logger on 25.Mar.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 = 13.89 Ohms.

Drilling Water Resistivity = 14.42 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 - 11	6	Dry sand	
3.	11 - 15	4	Fine sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 28	8	Fine to Medium sand	Medium
6.	28 - 38	10	Clay kankar	
7.	38 - 46*	8	Medium sand	Medium
8.	46 - 60	14	Clay kankar	
9.	60 - 67	7	Sand & kankar	Medium
10.	67 - 110	43	Clay kankar	

G.Sr
27/03/23



- Logging performed as per SISM guidelines.
- Groundwater quality interpreted by firm as per their logger calibration.