

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NADRALA, BLOCK- ALIGANJ, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 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 27.Feb.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 = 15.19 Ohms.

Drilling Water Resistivity = 16.36 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 25	10	Clay kankar	
4.	25 - 33	8	Medium sand	Medium
5.	33 - 45	12	Clay kankar	
6.	45 - 71*	26	Medium sand	Medium
7.	71 - 80	9	Clay kankar	
8.	80 - 93*	13	Medium sand	Medium
9.	93 - 110	17	Clay kankar	



- Logging performed as per SWSM guidelines.
- Ground water quality interpreted by farmers per their logger / calibration
S.S.R.

28/02/23