

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 95 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 23.Jun.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 = 15.34 Ohms.

Drilling Water Resistivity = 16.71 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar	
3.	20 - 30	10	Sand & kankar	Medium
4.	30 - 46	16	Clay kankar	
5.	46 - 59*	13	Medium sand	Medium
6.	59 - 69	10	Clay kankar	
7.	69 - 81*	12	Medium sand	Medium
8.	81 - 85	4	Clay kankar	
9.	85 - 89*	4	Fine to Medium sand	Medium
10.	89 - 95	6	Clay kankar	

G.Sh
24/06/23



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by forms as per their logger calibration.