

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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 = 15.20 Ohms.

Drilling Water Resistivity = 16.83 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 - 14	9	Clay kankar	
3.	14 - 17	3	Medium sand	Medium
4.	17 - 24	7	Clay kankar	
5.	24 - 35	11	Medium sand & kan.	Medium
6.	35 - 39	4	Clay kankar	
7.	39 - 42	3	Fine to medium sand	Medium
8.	42 - 50	8	Clay kankar	
9.	50 - 55*	5	Medium sand	Medium
10.	55 - 73	8	Clay kankar	
11.	73 - 75	2	Fine sand	Medium
12.	75 - 90	15	Clay kankar	
13.	90 - 100*	10	Medium sand	Medium
14.	100 - 105	5	Clay kankar	

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

