

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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.July.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 = 15.53 Ohms.

Drilling Water Resistivity = 16.78 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 - 9	4	Dry sand	
3.	9 - 15	6	Clay kankar	
4.	15 - 18	3	Medium sand	Medium
5.	18 - 26	8	Clay kankar	
6.	26 - 32	6	Medium sand	Medium
7.	32 - 56	24	Clay kankar	
8.	56 - 69*	13	Medium sand	Medium
9.	69 - 75	6	Clay kankar	
10.	75 - 81	6	Kankar	
11.	81 - 97	16	Clay kankar	
12.	97 - 102	5	Sandy clay	
13.	102 - 120	18	Clay kankar	

