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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction:

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 106 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 03.June.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 = 16.91 Ohms.

Drilling Water Resistivity = 17.86 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 - 40	7	Clay kankar	
6.	40 - 45*	5	Medium sand	Medium
7.	45 - 61	16	Clay kankar	
8.	61 - 66*	5	Medium sand	Medium
9.	66 - 106	40	Clay kankar	

Ground Water Survey Consultancy

