

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- MANIKPUR, BLOCK- JAITHRA, DISTT-ETAH

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 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 17. Dec.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 = 15.61 Ohms.

Drilling Water Resistivity = 16.08 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 - 12	7	Clay kankar	
3.	12 - 16	4	Fine sand	Medium
4.	16 - 30	14	Clay kankar	
5.	30 - 36	6	Medium sand	Medium
6.	36 - 46	10	Clay kankar	
7.	46 - 57*	11	Medium sand	Medium
8.	57 - 84	27	Clay kankar	
9.	84 - 101*	17	Medium sand & kankar	Medium
10.	101 - 110	9	Clay kankar	

Ground Water Survey Consultancy

