

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAJRA SAKIT, BLOCK- SAKIT, 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 24.Nov.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 = 15.43 Ohms.

Drilling Water Resistivity = 16.25 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 - 15	10	Clay kankar	
3.	15 - 18	3	Fine to Medium sand	
4.	18 - 26	8	Clay kankar	
5.	26 - 28	2	Fine sand	Medium
6.	28 - 50	22	Clay kankar	
7.	50 - 64*	14	Medium sand	Medium
8.	64 - 78	14	Clay kankar	
9.	78 - 81	3	Fine sand	Med to Marginally
10.	81 - 110	29	Clay kankar	

Ground Water Survey Consultancy

