

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HARCHANDPUR KALAN, 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 06.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 = 15.20 Ohms.

Drilling Water Resistivity = 16.36 Ohms.

Approx Water Level = 4.5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 19	9	Medium sand	Medium
4.	19 - 41	22	Clay kankar	
5.	41 - 49*	8	Medium sand	Medium
6.	49 - 58	9	Clay kankar	
7.	58 - 70*	12	Medium sand	Medium
8.	70 - 75	5	Clay kankar	
9.	75 - 85*	10	Medium sand	Medium
10.	85 - 92	7	Clay kankar	
11.	92 - 100*	8	Medium sand	Medium
12.	100 - 110	10	Clay kankar	

Ground Water Survey Consultancy

