

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAHMALMPUR CHANDPUR, BLOCK- SAKIT, 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.Sep.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 = 15.62 Ohms.

Drilling Water Resistivity = 16.36 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Medium sand	
3.	20 - 34	14	Clay kankar	
4.	34 - 36	2	Fine sand	
5.	36 - 40	4	Clay kankar	
6.	40 - 48*	8	Medium sand	Medium
7.	48 - 60	12	Clay kankar	
8.	60 - 75*	15	Medium sand	Medium
9.	75 - 80	5	Clay kankar	
10.	80 - 98*	18	Medium sand & kankar	Medium
11.	98 - 106	8	Clay kankar	

Ground Water Survey Consultancy

Agra

