

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- CHAPRAI, BLOCK- SAKIT, DISTT- ETAH UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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 07.Aug.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 = 15.89 Ohms.

Drilling Water Resistivity = 16.93 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	Medium sand	
4.	25 - 30	5	Clay kankar	
5.	30 - 35	5	Medium sand	Medium
6.	35 - 38	3	Clay kankar	
7.	38 - 45*	7	Medium sand & kankar	Medium
8.	45 - 50	5	Clay kankar	
9.	50 - 55*	5	Fine to Medium sand	Medium
10.	55 - 77	22	Clay kankar	
11.	77 - 83	6	Kankar	
12.	83 - 105	22	Clay kankar	

