

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

### Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 107 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 10.Jan.2024.

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 = 15.12 Ohms.

Drilling Water Resistivity = 16.23 Ohms.

Approx Water Level = 20 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Dry sand	
3.	12 - 20	8	Clay kankar	
4.	20 - 25	5	Medium sand	Medium
5.	25 - 38	13	Clay kankar	
6.	38 - 44*	6	Medium sand	Medium
7.	44 - 50	6	Clay kankar	
8.	50 - 60	10	Fine sand	Medium
9.	60 - 107	47	Clay kankar	

Ground Water Survey Consultancy  
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