

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MEDUPURA AND BHAMURA, BLOCK- JAITHRA, 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 10.April.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:-

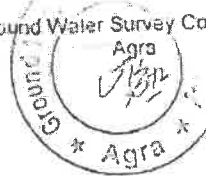
Mud Resistivity = 15.81 Ohms.

Drilling Water Resistivity = 16.49 Ohms.

Approx Water Level = 10 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 20	10	Fine sand	
4.	20 - 35	15	Medium sand	Medium
5.	35 - 60	25	Clay kankar	
6.	60 - 85*	25	Medium sand	Medium
7.	85 - 90	5	Clay kankar	
8.	90 - 95*	5	Medium sand	Medium
9.	95 - 100	5	Clay kankar	
10.	100 - 104*	4	Fine to Medium sand	Medium
11.	104 - 110	6	Clay kankar	

Ground Water Survey Consultancy



— Logging performed as per SWSM guidelines.  
— Groundwater quality interpreted by firm as per their logger calibration. G.C.