

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHATMAI, BLOCK- SHEETALPUR,
DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 88 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 26.July.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 = 15.40 Ohms.

Drilling Water Resistivity = 16.29 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 - 15	10	Clay kankar	
3.	15 - 20	5	Fine to Medium sand	Medium
4.	20 - 26	6	Clay kankar	
5.	26 - 38	12	Medium sand	Medium
6.	38 - 44	6	Clay kankar	
7.	44 - 50*	6	Medium sand	Medium
8.	50 - 57	7	Clay kankar	
9.	57 - 78*	21	Medium sand	Medium
10.	78 - 88	10	Clay kankar	

