

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BANDUPURA, 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 17.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 = 15.73 Ohms.

Drilling Water Resistivity = 16.87 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 - 20	5	Medium sand	
4.	20 - 40	20	Clay kankar	
5.	40 - 45*	5	Medium sand	Medium
6.	45 - 58	13	Clay kankar	
7.	58 - 81*	23	Medium sand	Medium
8.	81 - 87	6	Clay kankar	
9.	87 - 92*	5	Medium sand	Medium
10.	92 - 95	3	Clay kankar	
11.	95 - 97	2	Fine sand	Medium
12.	97 - 108	11	Clay kankar	
13.	108 - 110*	2	Medium sand	Medium

Note :- Please ensure pre-monsoon water level before lower the well assembly.

