

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ROOPDHANI, BLOCK- JAITHRA, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 119 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 27. Apr.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 = 15.72 Ohms.

Drilling Water Resistivity = 16.30 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Clay kankar	
3.	13 - 17	4	Medium sand	
4.	17 - 25	8	Clay kankar	
5.	25 - 30	5	Medium sand	Medium
6.	30 - 35	5	Clay kankar	
7.	35 - 45*	10	Medium sand	Medium
8.	45 - 70	25	Clay kankar	
9.	70 - 75	5	Fine sand	Medium
10.	75 - 87	12	Clay kankar	
11.	87 - 103*	16	Medium sand	Medium
12.	103 - 119	16	Clay kankar	

Ground Water Survey Consultancy

