

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AMRITPUR RAGHUPUR, 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 23.Jan.2024.

Logging Parameters - 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 = 14.33 Ohms.

Drilling Water Resistivity = 15.21 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 11	3	Fine sand	
4.	11 - 17	6	Clay kankar	
5.	17 - 20	3	Fine sand	Medium
6.	20 - 25	5	Clay kankar	
7.	25 - 35	10	Sand & kankar	Medium
8.	35 - 38	3	Clay kankar	
9.	38 - 45*	7	Medium sand	Medium
10.	45 - 51	6	Clay kankar	
11.	51 - 58*	7	Medium sand	Medium
12.	58 - 67	9	Clay kankar	
13.	67 - 86*	19	Medium sand	Medium
14.	86 - 110	24	Clay kankar	

Ground Water Survey Consultancy

