

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AKBARPUR SETHA, BLOCK- JALESAR, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 98 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 20.Feb.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 = 8.60 Ohms.

Drilling Water Resistivity = 9.10 Ohms.

Approx Water Level = 21 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Dry Sand	
3.	13 - 19	6	Clay Kankar	
4.	19 - 21	2	Fine Sand	
5.	21 - 25	4	Clay kankar	
6.	25 - 31	6	Fine to med sand	Medium
7.	31 - 35	4	Clay kankar	
8.	35 - 45	10	Sand & kankar	Med to marginally
9.	45 - 50	5	Clay Kankar	
10.	50 - 60	10	Fine Sand	Med to Marginally
11.	60 - 86	26	Clay kankar	
12.	88 - 91	3	Fine sand & kankar	Marginally saline
13.	91 - 100	9	Clay Kankar	

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

Ground Water Survey Consultancy

