

REPORT ON GEOPHYSICAL WELL LOGGING

AT

(G.P. Bathua)

GRAM PANCHAYAT- NAGLA RAJA, BLOCK- NIDAU LI KALAN, 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 13.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 = 15.70 Ohms.

Drilling Water Resistivity = 16.58 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 - 8	3	Clay	
3.	8 - 15	7	Clay kankar	
4.	15 - 20	5	Medium sand	Medium
5.	20 - 22	2	Clay kankar	
6.	22 - 30	8	Sand & kankar	
7.	30 - 35	5	Clay kankar	
8.	35 - 45*	10	Medium sand	Medium
9.	45 - 65	20	Clay kankar	
10.	65 - 85*	20	Medium sand	Medium
11.	85 - 110	25	Clay kankar	

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

Ground Water Survey Consultancy

Agra

