

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAILE, BLOCK- ALIGANJ, 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 01.June.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 = 15.53 Ohms.

Drilling Water Resistivity = 16.78 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 - 15	10	Dry sand	
3.	15 - 20	5	Fine sand	
4.	20 - 27	7	Clay kankar	
5.	27 - 34	7	Fine to Medium sand	
6.	34 - 37	3	Clay kankar	
7.	37 - 45*	8	Fine to Medium sand	Medium
8.	45 - 50	5	Clay kankar	
9.	50 - 55	5	Sand & kankar	
10.	55 - 58	3	Clay kankar	
11.	58 - 72*	4	Medium sand	Medium
12.	72 - 77	5	Clay kankar	
13.	77 - 84	7	Sand & kankar	
14.	84 - 110	26	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per
SWSM guidelines.

- Groundwater quality
interpreted by firm as
per their logger
calibration

G. Sh
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