

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TATARPUR, BLOCK- NIDHAULI KALAN, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 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.Jan.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 = 15.08 Ohms.

Drilling Water Resistivity = 16.23 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Fine to Medium sand	Medium
3.	17 - 22	5	Clay kankar	
4.	22 - 27	5	Sand & kankar	Medium
5.	27 - 35	8	Clay kankar	
6.	35 - 45*	10	Medium sand	Medium
7.	45 - 55	10	Clay kankar	
8.	55 - 64	9	Fine sand	Medium
9.	64 - 80	16	Clay kankar	
10.	80 - 85	5	Fine sand	Medium
11.	85 - 100	15	Clay kankar	

Ground Water Survey Consultancy

