

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 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 02.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 = 14.29 Ohms.

Drilling Water Resistivity = 15.20 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 20	8	Fine to Medium sand	Medium
4.	20 - 24	4	Clay kankar	
5.	24 - 29	5	Medium sand	Medium
6.	29 - 42	13	Clay kankar	
7.	42 - 47	5	Fine sand	Marginally saline
8.	47 - 60	13	Clay kankar	
9.	60 - 64	4	Fine sand	Saline
10.	64 - 80	16	Clay kankar	
11.	80 - 94	14	Fine sand	Saline
12.	94 - 100	6	Clay kankar	

Ground Water Survey Consultancy

