

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAWALI, BLOCK- SAKIT, DISTT- ETAH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 107 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 08.Oct.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 = 14.10 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 - 10	5	Clay kankar	
3.	10 - 18	8	Fine to medium sand	
4.	18 - 34	16	Clay kankar	
5.	34 - 37	3	Fine to medium sand	Medium
6.	37 - 41	4	Clay kankar	
7.	41 - 47*	6	Medium sand	Medium
8.	47 - 61	14	Clay kankar	
9.	61 - 75*	14	Medium sand & kankar	Medium
10.	75 - 80	5	Clay kankar	
11.	80 - 83	3	Fine sand	Medium
12.	83 - 93	10	Clay kankar	
13.	93 - 98*	5	Fine to medium sand	Medium
14.	98 - 107	9	Clay kankar	

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

