

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KANGROL, BLOCK- SAKIT, 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 19.Sep.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 = 15.39 Ohms.

Drilling Water Resistivity = 16.41 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 - 10	5	Clay kankar	
3.	10 - 16	6	Fine to Medium sand	
4.	16 - 30	14	Clay kankar	
5.	30 - 34	4	Fine sand	
6.	34 - 43	9	Clay kankar	
7.	43 - 50*	7	Fine to Med sand & kan	Medium
8.	50 - 67	17	Clay kankar	
9.	67 - 75*	8	Medium sand	Medium
10.	75 - 82	7	Clay kankar	
11.	82 - 96*	14	Medium sand & kankar	Medium
12.	96 - 105	9	Clay kankar	
13.	105 - 107	2	Fine sand	Medium
14.	107 - 110	3	Clay kankar	

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

