

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

### Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 108 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 26.July.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 = 15.62 Ohms.

Drilling Water Resistivity = 16.36 Ohms.

Approx Water Level = 6 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 - 17	7	Medium sand	Medium
4.	17 - 23	6	Clay kankar	
5.	23 - 35	12	Medium sand & kankar	Medium
6.	35 - 41	6	Clay kankar	
7.	41 - 49*	8	Medium sand	Medium
8.	49 - 55	6	Clay kankar	
9.	55 - 59*	4	Medium sand	Medium
10.	59 - 66	7	Clay kankar	
11.	66 - 79*	13	Medium sand	Medium
12.	79 - 85	6	Clay kankar	
13.	85 - 99*	14	Medium sand	Medium
14.	99 - 108	9	Clay kankar	

