

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- NAGLA JAGROOP, BLOCK- SHITALPUR, DISTT- ETAH UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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 03.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 = 15.68 Ohms.

Drilling Water Resistivity = 16.89 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Dry sand	
3.	12 - 14	2	Medium sand	
4.	14 - 22	8	Clay kankar	
5.	22 - 34	12	Medium sand	Medium
6.	34 - 69	35	Clay kankar	
7.	69 - 74*	5	Medium sand	Medium
8.	74 - 82	8	Clay kankar	
9.	82 - 95*	13	Medium sand	Medium
10.	95 - 105	10	Clay kankar	

