

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 103 mtrs. at above site. Was drilled by M/s Kalpataru Project International Pvt. Ltd, Etah.

On the request of M/s Kalpataru Project International Pvt. Ltd, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.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 = 13.40 Ohms.

Drilling Water Resistivity = 14.19 Ohms.

Approx Water Level = 20 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 27	7	Fine to Medium sand	Medium
4.	27 - 40	13	Clay kankar	
5.	40 - 50*	10	Medium sand	Medium
6.	50 - 60	10	Clay kankar	
7.	60 - 66	6	Fine sand	Med to Marginally
8.	66 - 75	9	Clay kankar	
9.	75 - 78	3	Fine sand	Saline
10.	78 - 97	9	Clay kankar	
11.	97 - 100	3	Fine sand	Saline
12.	100 - 103	3	Clay kankar	

