

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NARAUTHA ISAPUR, BLOCK- SIKANDRA RAO, DISTT- HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 mtrs. at above site. Was drilled by M/s ION Exchange India Limited, Hathras.

On the request of M/s ION Exchange India Limited, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29.Jan.2025

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 = 14.03 Ohms.

Drilling Water Resistivity = 15.20 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 16	4	Fine sand	
4.	16 - 26	10	Clay kankar	
5.	26 - 30	4	Fine sand	Medium
6.	30 - 35	5	Clay kankar	
7.	35 - 47	12	Fine to Med sand & kan	Medium
8.	47 - 54	7	Clay kankar	
9.	54 - 60	6	Fine to Medium sand	Med to Marginally
10.	60 - 100	40	Clay kankar	

Ground Water Survey Consultancy

