

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- SHERPUR ZONE- 4, BLOCK- SADABAD, 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 07.Dec.2024

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 = 08.31 Ohms.

Drilling Water Resistivity = 09.20 Ohms.

Approx Water Level = 27 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 30	25	Dry sand	
3.	30 - 35	5	Clay kankar	
4.	35 - 40	5	Sandy clay	
5.	40 - 50	10	Clay kankar	
6.	50 - 55	5	Fine sand & kankar	Med to Marginally
7.	55 - 110	55	Clay kankar	

Ground Water Survey Consultancy
Agra

