

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHREE NAGAR, BLOCK- HASAYAN, DISTT- HATHRAS  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 96 mtrs. at above site. Was drilled by M/s Braj Gopal Construction, Hathras.

On the request of M/s Braj Gopal Construction, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.Nov.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 = 09.51 Ohms.

Drilling Water Resistivity = 12.37 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar	
3.	20 - 30	10	Fine sand	Saline
4.	30 - 83	53	Clay kankar	
5.	83 - 95*	12	Fine to Medium sand	Medium
6.	95 - 96	1	Clay kankar	

