

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- VAHANPUR, BLOCK- HATHRAS, DISTT- HATHRAS  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 27.Feb.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 = 11.20 Ohms.

Drilling Water Resistivity = 12.10 Ohms.

Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 11	3	Fine sand	
4.	11 - 17	6	Clay kankar	
5.	17 - 21	4	Fine sand	
6.	21 - 27	6	Clay kankar	Medium
7.	27 - 30	3	Fine sand	
8.	30 - 38	8	Clay kankar	Medium
9.	38 - 47*	9	Medium sand	
10.	47 - 53	6	Clay kankar	Medium
11.	53 - 58	5	Fine sand	
12.	58 - 83	25	Clay kankar	Marginally saline
13.	83 - 95	12	Sand & kankar	
14.	95 - 110	15	Clay kankar	Saline

Ground Water Survey Consultancy

