

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 108 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 10.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 = 13.41 Ohms.

Drilling Water Resistivity = 14.95 Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Fine to Medium sand	Medium
3.	15 - 20	5	Clay kankar	
4.	20 - 30	10	Medium sand	Medium
5.	30 - 38	8	Clay kankar	
6.	38 - 53*	15	Medium sand	Medium
7.	53 - 73	20	Clay kankar	
8.	73 - 77	4	Kankar	Marginally saline
9.	77 - 92	15	Clay kankar	
10.	92 - 95	3	Sand & kankar	Marginally saline
11.	95 - 108	13	Clay kankar	

Ground Water Survey Consultancy

