

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARAMAI NAGLA, BLOCK- HASAYAN, 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 04.Feb.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 = 21.15 Ohms.

Drilling Water Resistivity = 16.96 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Clay kankar	
3.	13 - 17	4	Fine sand	
4.	17 - 22	5	Clay kankar	
5.	22 - 30	8	Fine to medium sand	Medium
6.	30 - 38	8	Clay kankar	
7.	38 - 46*	8	Medium sand	Medium
8.	46 - 61	15	Clay kankar	
9.	61 - 65	4	Fine sand	Medium
10.	65 - 110	45	Clay kankar	

Ground Water Survey Consultancy

