

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- MURHA NAVJARPUR, BLOCK- SIKANDRA RAO, 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 05.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 = 15.70 Ohms.

Drilling Water Resistivity = 16.85 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 18	3	Fine sand	
4.	18 - 28	10	Clay kankar	
5.	28 - 37	9	Fine to Medium sand	Medium
6.	37 - 47	10	Clay kankar	
7.	47 - 50	3	Fine send	Medium
8.	50 - 57	7	Clay kankar	
9.	57 - 74*	17	Medium sand	Medium
10.	74 - 86	12	Clay kankar	
11.	86 - 91	5	Fine to Medium sand	Medium
12.	91 - 110	19	Clay kankar	

Ground Water Survey Consultancy

