

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT-GURAIETHA SULTANPUR TUBEWELL-2,BLOCK-SIKANDRA RAO,  
DISTT-HATHRAS  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 90 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 12.May.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 = 15.20 Ohms.

Drilling Water Resistivity = 16.10 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	Dry sand	
3.	15 - 18	3	Fine sand	
4.	18 - 24	6	Clay kankar	
5.	24 - 31	7	Fine to medium sand	Medium
6.	31 - 47	16	Clay kankar	
7.	47 - 50	3	Fine sand	Medium
8.	50 - 55	5	Clay kankar	
9.	55 - 63*	8	Medium sand	Medium
10.	63 - 69	6	Clay kankar	
11.	69 - 80*	11	Medium sand	Medium
12.	80 - 90	10	Clay kankar	

Ground Water Survey Consultancy

