

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JARAIYA GADA KHERA TW NO. 2, BLOCK- SASNI, DISTT-  
HATHRAS  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 106 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 26.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 = 13.33 Ohms.

Drilling Water Resistivity = 14.19 Ohms.

Approx Water Level = 25 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 25	20	Dry sand	
3.	25 - 34	9	Clay kankar	
4.	34 - 40	6	Fine to medium sand	Medium
5.	40 - 45	5	Clay kankar	
6.	45 - 48	3	Fine sand	Medium
7.	48 - 55	7	Clay kankar	
8.	55 - 60	5	Fine sand	Medium
9.	60 - 70	10	Clay kankar	
10.	70 - 77*	7	Medium sand	Medium
11.	77 - 90	13	Clay kankar	
12.	90 - 95*	5	Fine to medium sand	Medium
13.	95 - 106	11	Clay kankar	

Ground Water Survey Consultancy

