

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MIRPUR, BLOCK- SIKANDRA RAO, DISTT- HATHRAS  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 100 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 15.Dec.2023.

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 = 14.78 Ohms.

Drilling Water Resistivity = 15.82 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 - 14	9	Clay kankar	
3.	14 - 19	5	Fine sand	
4.	19 - 25	6	Clay kankar	
5.	25 - 34	9	Medium sand	Medium
6.	34 - 37	3	Clay kankar	
7.	37 - 43*	6	Fine to Medium sand	Medium
8.	43 - 61	18	Clay kankar	
9.	61 - 69*	8	Fine to Medium sand	Medium
10.	69 - 88	19	Clay kankar	
11.	88 - 82	6	Fine sand	Med to Marginally
12.	82 - 100	18	Clay kankar	

Ground Water Survey Consultancy

