

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 120 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 18.June.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 = 10 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Sandy clay	
3.	10 - 15	5	Fine sand	
4.	15 - 21	6	Clay kankar	
5.	21 - 27	6	Fine to Medium sand	Medium
6.	27 - 37	10	Clay kankar	
7.	37 - 45*	8	Medium sand	Medium
8.	45 - 51	6	Clay kankar	
9.	51 - 55	4	Fine sand	Medium
10.	55 - 60	5	Clay kankar	
11.	60 - 66*	6	Fine to Medium sand	Medium
12.	66 - 81	15	Clay kankar	
13.	81 - 86	5	Sand & kankar	Marginally saline
14.	86 - 110	24	Clay kankar	

Ground Water Survey Consultancy

