

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAHAMONI SUSAWALI, BLOCK- MURSAN, 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 01.April.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 = 13.71 Ohms.

Drilling Water Resistivity = 14.85 Ohms.

Approx Water Level = 30 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 28	23	Dry sand	
3.	28 - 35	7	Clay kankar	
4.	35 - 38	3	Fine sand	
5.	38 - 43	5	Clay kankar	
6.	43 - 48*	5	Fine to Medium sand	Medium
7.	48 - 60	12	Clay kankar	
8.	60 - 65	5	Fine sand & Kankar	Medium
9.	65 - 74	9	Clay kankar	
10.	74 - 77	3	Fine sand & Kankar	Medium
11.	77 - 110	33	Clay kankar	

Ground Water Survey Consultancy

