

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AROTHA, BLOCK- SADABAD, 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 26.Sep.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 = 12.69 Ohms.
Drilling Water Resistivity = 13.83 Ohms.
Approx Water Level = 23 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 23	8	Dry sand	
4.	23 - 30	7	Fine to Medium sand	
5.	30 - 40	10	Clay kankar	
6.	40 - 45*	5	Fine to Medium sand	Medium
7.	45 - 58	13	Clay kankar	
8.	58 - 62	4	Fine sand	Med to Marginally
9.	62 - 100	38	Clay kankar	



Ground Water Survey Consultancy
Agra