

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHAURPUR, BLOCK- HATHRAS, DISTT- HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 95 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 08.Feb.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 = 10.21 Ohms.

Drilling Water Resistivity = 11.86 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry Sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 26	6	Fine to Medium Sand	Medium
5.	26 - 33	7	Clay kankar	
6.	33 - 37	4	Fine sand	Medium
7.	37 - 42	5	Clay kankar	
8.	42 - 46	4	Kankar	
9.	46 - 52	6	Clay kankar	
10.	52 - 59	7	Fine sand	Medium
11.	59 - 65	6	Clay kankar	
12.	65 - 73*	8	Medium sand & kankar	Medium
13.	73 - 84	11	Clay kankar	
14.	84 - 87	3	Fine sand & kankar	Med to Marginally
15.	87 - 95	8	Clay Kankar	

Ground Water Survey Consultancy

