

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAITPUR, BLOCK- MURSAN, DISTT- HATHRAS UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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.Nov.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 = 12.42 Ohms.

Drilling Water Resistivity = 13.20 Ohms.

Approx Water Level = 24 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 21	3	Clay kankar	
4.	21 - 23	2	Fine sand	
5.	23 - 32	9	Clay kankar	
6.	32 - 35	3	Fine sand	Marginally saline
7.	35 - 44	9	Clay kankar	
8.	44 - 57*	13	Fine to Medium sand	Med to Marginally
9.	57 - 65	8	Clay kankar	
10.	65 - 73	8	Fine sand	Saline
11.	73 - 105	32	Clay kankar	