

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 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 09.Aug.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 = 14.28 Ohms.

Drilling Water Resistivity = 15.76 Ohms.

Approx Water Level = 21 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 - 24	3	Fine sand	
5.	24 - 30	6	Clay kankar	
6.	30 - 36*	6	Fine to Medium sand	Medium
7.	36 - 41	5	Clay kankar	
8.	41 - 50*	9	Fine to Medium sand	Med to Marginally
9.	50 - 54	4	Clay kankar	
10.	54 - 58*	4	Fine to Medium sand	Med to Marginally
11.	58 - 95	37	Clay kankar	

