

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JARERA SHANKARPUR, BLOCK- HASAYAN, DISTT- HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 97 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 28.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 = 14.82 Ohms.

Drilling Water Resistivity = 15.19 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 30	18	Medium sand	Medium
4.	30 - 40	10	Clay kankar	
5.	40 - 45	5	Fine sand	Medium
6.	45 - 66	21	Clay kankar	
7.	66 - 81*	15	Medium sand	Medium
8.	81 - 97	16	Clay kankar	

