

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GUTAHRA BW -2, BLOCK- SAHPAU,
DISTT- HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 102 mtrs. at above site. Was drilled by M/s ION Exchange India Limited, Hathras.

On the request of M/s ION Exchange India Limited, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.Dec.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 = 12.53 Ohms.

Drilling Water Resistivity = 13.49 Ohms.

Approx Water Level = 27 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 26	21	Dry sand	
3.	26 - 43	17	Clay kankar	
4.	43 - 46	3	Fine sand	
5.	46 - 52	6	Clay kankar	
6.	52 - 62*	10	Fine to Medium sand	Med to Marginally
7.	62 - 70	8	Clay kankar	
8.	70 - 77	7	Sand & kankar	Med to Marginally
9.	77 - 85	8	Clay kankar	
10.	85 - 90*	5	Fine to Medium sand	Med to Marginally
11.	90 - 102	12	Clay kankar	

