

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAUGAWAN ZONE 1, BLOCK- SADABAD
DISTT-HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 101 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 23.August.2022.

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 = 06.64 Ohms.

Drilling Water Resistivity = 10.09 Ohms.

Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Clay kankar	
3.	17 - 22	5	Dry sand	
4.	22 - 27	5	Clay	
5.	27 - 45*	18	Fine to Med. sand & Kankar	Marginally Saline
6.	45 - 55	10	Clay kankar	
7.	55 - 60	5	Kankar	
8.	60 - 80	20	Clay kankar	
9.	80 - 85	5	Kankar with Sand	Highly Saline
10.	85 - 101	16	Clay Kankar	

