

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- DHANOLI, BLOCK- SAIDABAD, DISTT- HATHRAS

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 103 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 05.Oct.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 = 11.23 Ohms.

Drilling Water Resistivity = 12.40 Ohms.

Approx Water Level = 21 Mtr.



S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	Expected Water Quality
2.	5 - 22	17	Dry sand	
3.	22 - 28	6	Clay Kankar	Med to Marginally
4.	28 - 32	4	Fine sand	
5.	32 - 45	13	Clay kankar	Med to Marginally
6.	45 - 54*	9	Fine to Medium sand	
7.	54 - 65	11	Clay kankar	Med to Marginally
8.	65 - 73	8	Clay kankar	
9.	73 - 90	17	Sand & kankar	Saline
10.	90 - 97	7	Clay kankar	
11.	97 - 103	6	Clay kankar	Saline