

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAMKARI, BLOCK- SHEETALPUR, DISTT-ETAH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 105 mtrs. at above site. Was drilled by M/s ION Exchange India Limited, Etah.

On the request of M/s ION Exchange India Limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 01.Jan.2024

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 = 14.83 Ohms.

Drilling Water Resistivity = 15.20 Ohms.

Approx Water Level = 6 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 - 17	5	Fine to Medium sand	Medium
4.	17 - 23	6	Clay kankar	
5.	23 - 28	5	Fine to Medium sand	Medium
6.	28 - 38	10	Clay kankar	
7.	38 - 45*	7	Medium sand	Medium
8.	45 - 49	4	Clay kankar	
9.	49 - 53	4	Fine sand	Med to Marginally
10.	53 - 60	7	Clay kankar	
11.	60 - 63	3	Sand & kankar	Saline
12.	63 - 105	42	Clay kankar	

Ground Water Survey Consultancy

Agra

