

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SITHROLI, BLOCK- HATHRAS, DISTT- HATHRAS UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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 04.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 = 11.88 Ohms.

Drilling Water Resistivity = 12.33 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Dry sand	
3.	12 - 20	8	Clay kankar	
4.	20 - 25	5	Fine to Medium sand	
5.	25 - 27	2	Clay kankar	
6.	27 - 30	3	Fine sand	Med to Marginally
7.	30 - 35	5	Clay kankar	
8.	35 - 38	3	Fine sand	Med to Marginally
9.	38 - 49	11	Clay kankar	
10.	49 - 57*	8	Fine to Med sand & kan	Med to Marginally
11.	57 - 65	8	Clay kankar	
12.	65 - 68	3	Fine sand	Marginally saline
13.	68 - 80	12	Clay kankar	
14.	80 - 86*	6	Fine to Medium sand	Med to Marginally
15.	86 - 105	19	Clay kankar	

Ground Water Survey Consultancy

