

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT-SICHAWALI KADIM, BLOCK- HASAYAN, DISTT- HATHRAS UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 29.July.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 = 15.18 Ohms.

Drilling Water Resistivity = 16.30 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 11	6	Clay Kankar	
3.	11 - 15	4	Fine Sand	
4.	15 - 25	10	Clay Kankar	
5.	25 - 30	5	Fine to Med. Sand	Medium
6.	30 - 37	7	Clay Kankar	
7.	37 - 45*	8	Medium Sand	Medium
8.	45 - 66	21	Clay Kankar	
9.	66 - 75*	9	Medium Sand	Medium
10.	75 - 80	5	Clay Kankar	
11.	80 - 89*	9	Midum Sand	Medium
12.	89 - 96	7	Clay Kankar	
13.	96 - 104*	8	Medium Sand & Kankar	Medium
14.	104 - 110	6	Clay Kankar	

Ground Water Survey Consultancy

