

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PACHAYATA, BLOCK- SIKANDRA RAO,
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 07.Sep.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 = 16.42 Ohms.

Drilling Water Resistivity = 17.04 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 - 10	5	Dry sand	
3.	10 - 13	3	Clay kankar	
4.	13 - 20	7	Fine sand	
5.	20 - 25	5	Clay kankar	
6.	25 - 35	10	Medium sand	Medium
7.	35 - 46	11	Clay kankar	
8.	46 - 50	4	Fine sand	Medium
9.	50 - 55	5	Clay kankar	
10.	55 - 68*	13	Medium sand	Medium
11.	68 - 86	18	Clay kankar	
12.	86 - 92	6	Fine sand	Medium
13.	92 - 105	13	Clay kankar	
14.	105 - 110*	5	Fine to medium sand	Medium

Ground Water Survey Consultancy

