

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 105 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 13.May.2023.

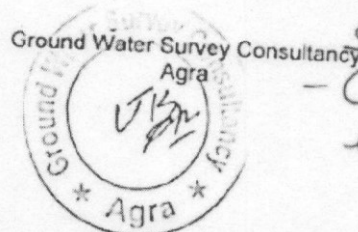
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 13.28 Ohms.

Drilling Water Resistivity = 14.42 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 - 16	11	Clay kankar & Dry sand	
3.	16 - 20	4	Clay kankar	
4.	20 - 31	11	Fine to medium sand	Medium
5.	31 - 36	5	Clay kankar	
6.	36 - 40	4	Fine sand	Medium
7.	40 - 51	11	Clay kankar	
8.	51 - 61*	10	Medium sand	Medium
9.	61 - 70	9	Clay kankar	
10.	70 - 81*	11	Medium sand	Medium
11.	81 - 85	4	Clay kankar	
12.	85 - 90*	5	Fine to medium sand	Medium
13.	90 - 105	15	Clay kankar	



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by farmers per their logger calibration.