

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- REHNA, BLOCK- SASNI, 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 07.May.2023.

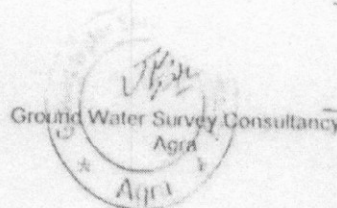
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = ~~12.28~~ Ohms.

Drilling Water Resistivity = ~~13.42~~ Ohms.

Approx Water Level = 28 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 28	23	Dry sand	
3.	28 - 40	12	Fine to Medium sand	Med to Marginally
4.	40 - 48	8	Clay kankar	
<del>5.</del>	48 - 57*	9	Medium sand	Med to Marginally
6.	57 - 63	6	Clay kankar	
<del>7.</del>	63 - 71*	8	Medium sand	Med to Marginally
8.	71 - 85	14	Clay kankar	
9.	85 - 91	6	Sand & kankar	Med to Marginally
10.	91 - 105	14	Clay kankar	



- Logging performed as per SWSM guidelines  
- Groundwater quality interpolated by fern as per their logger calibration

G.Sh  
08/05/23