

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAGLA KESO, 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 26. April. 2023.

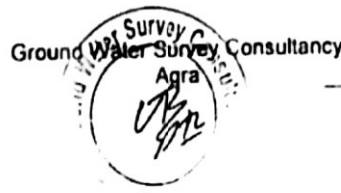
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 09.29 Ohms. *Very Poor*

Drilling Water Resistivity = 10.47 Ohms.

Approx Water Level = 20 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 30	5	Fine sand	
5.	30 - 33	3	Clay kankar	
6.	33 - 38	5	Fine to Medium sand	Med to Marginally
7.	38 - 42	4	Clay kankar	
8.	42 - 45	3	Fine sand	Marginally saline
9.	45 - 50	5	Clay kankar	
10.	50 - 56*	6	Medium sand	Med to Marginally
11.	56 - 60	4	Clay kankar	
12.	60 - 67	7	Sand & kankar	Marginally saline
13.	67 - 105	38	Clay kankar	



- Logging performed as per SWSM guidelines
- Groundwater quality interpreted by firm as per their logger calibration
G.S.H.
27/04/23