

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LAUHARRA, BLOCK- SASNI, DISTT- HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth ~~107~~ 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 18.May.2023.

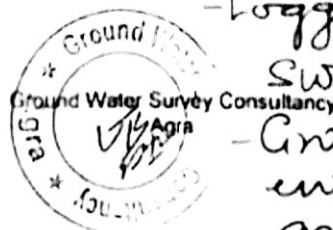
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 14.23 ~~Ohms~~.

Drilling Water Resistivity = 15.21 ~~Ohms~~.

Approx Water Level = 25 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 25	20	Clay kankar & Dry sand	
3.	25 - 28	3	Clay kankar	
4.	28 - 40	12	Sand & kankar	
5.	40 - 43	3	Clay kankar	
6.	43 - 47	4	Fine sand	Med to Marginally
7.	47 - 51	4	Clay kankar	
8.	51 - 60*	9	Fine to Medium sand	Med to Marginally
9.	60 - 65	5	Clay kankar	
10.	65 - 80*	15	Medium sand	Medium
11.	80 - 90	10	Clay kankar	
12.	90 - 102*	12	Medium sand	Medium
13.	102 - 110	8	Clay kankar	



- Logging performed as per
SWSM guidelines

- Groundwater quality
interpreted by firm
as per their logger G Sh
calibration
19/05/23