

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GAHRANA, BLOCK- NIDHAULI KALAN, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 114 mtrs. depth. and Logged depth ~~110~~ mtrs. at above site. Was drilled by M/s JMC Projects India Limited, Etah

On the request of M/s JMC Projects India Limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.Jan.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:-

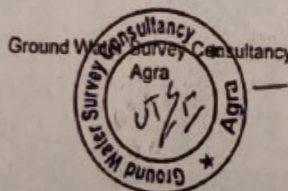
Mud Resistivity = ~~18.50~~ Ohms.

Drilling Water Resistivity = ~~17.42~~ Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Dry sand	
3.	9 - 16	7	Clay kankar	
4.	16 - 22	6	Medium sand	Medium
5.	22 - 28	6	Clay kankar	
6.	28 - 43	15	Sand & kankar	Medium
7.	43 - 45	2	Clay kankar	
8.	45 - 55*	10	Medium sand	Medium
9.	55 - 72	17	Clay kankar	
10.	72 - 97*	25	Medium sand	Medium
11.	97 - 110	13	Clay kankar	

Sr Nolo - have fewer sediments.



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