

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ARJUNAI SIMRAR, BLOCK- ALIGANJ, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth ~~108~~ mtrs. at above site. Was drilled by M/s JMC Projects India Limited.

On the request of M/s JMC Projects India Limited. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 13.Dec.2022.

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 = ~~14.66~~ Ohms.

Drilling Water Resistivity = ~~18.96~~ 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 - 10	5	Dry sand	
3.	10 - 19	9	Clay kankar	
4.	19 - 27	8	Fine to Medium sand	Medium
5.	27 - 46	19	Clay kankar	
6.	46 - 60*	14	Fine to Medium sand	Medium
7.	60 - 108	48	Clay kankar	



Logging performed
as per SWSM guidelines
Groundwater quality
interpreted by former
as per their logger
calibration
G.S.
14/12/22

Scanned with CamScanner

Scanned with OKEN Scanner