

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- JALALPUR, BLOCK- DHANAPUR, DISTT- CHANDAULI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 175 mtrs. at above site. Was drilled by M/S ION Exchange India Limited. Chandauli.

On the request of M/S ION Exchange India Limited. Chandauli. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.Sep.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 = 14.74 Ohms.

Drilling Water Resistivity = 10.81 Ohms.

Approx Water Level = 18 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	34 - 43	9	Fine to medium sand	Mod to Good
2.	65 - 84	19	Medium sand	Good
3.	94 - 98	4	Fine to medium sand	Good
4.	114 - 118	4	Fine to medium sand	Good
5.	123 - 127	4	Fine to medium sand	Good
6.	129 - 134	5	Fine to medium sand	Good
7.	153 - 168	15	Medium sand & kankar	Good

Please ensure pre-monsoon water level before lower the well assembly


Geophysicist