

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- BALUWA EX ZONE-4, BLOCK- CHAHANIYA,
DISTT- CHANDAULI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 120 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 12.Oct.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 = 05.42 Ohms.

Drilling Water Resistivity = 13.30 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	35 - 48	13	Medium sand	Good
2.	65 - 70	5	Medium sand	Good
3.	75 - 82	7	Fine to Med sand & kan	Good
4.	85 - 92	7	Fine to Medium sand	Good
5.	105 - 114	9	Fine to Medium sand	Good

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


Geophysicist