

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- DHANAPUR RO SCHEME ZONE -1, BLOCK- DHANAPUR,
DISTT- CHANDAULI

UNDER

JAL JIVAN MISSION

900 L.P.M

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 177 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 13.Mar.2024.

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 = 15.09 Ohms.

Drilling Water Resistivity = 14.18 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	33 - 37	4	Fine sand	Good
2.	80 - 85	5 4	Fine to Medium sand	Good
3.	90 - 94	4 3	Fine to Medium sand	Good
4.	98 - 108	10 9	Fine to Medium sand	Good
5.	114 - 117	3 2	Medium sand	Good
6.	121 - 128	7 6	Medium sand & kankar	Good
7.	139 - 146	7 6	Medium sand	Good
8.	170 - 173	3	Medium sand	Good

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

1. Predominated clay is present in depth range 38-75, 109-113 mtr bgl.

2. Clay kankar is present in depth range 86-89, 95-97, 118-120, 129-138, 147-169, 174 mtr bgl to till depth logged.

