

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DARHWAL, BLOCK- SADAT, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 109 mtrs. at above site. Was drilled by M/S VSA Infra Projects Pvt. Ltd. Ghazipur.

On the request of M/S VSA Infra Projects Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 14.Feb.2025.

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 = 15.90 Ohms.

Drilling Water Resistivity = 17.10 Ohms.

Approx Water Level = 3 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	12 - 15	3	Fine to medium sand	Good
2.	40 - 48	8	Medium sand & kankar	Good
3.	70 - 90	20	Medium sand & kankar	Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 16-39, 49-69, and 91 Mtr bgl to till depth logged.

