

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MARDAH -2, SCHEME- MARDAH, BLOCK- MARDAH,
DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 205 mtrs. depth. and Logged depth 197 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 22.May.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:-

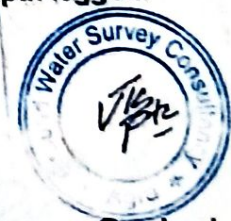
Mud Resistivity = 14.90 Ohms.

Drilling Water Resistivity = 15.89 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	22 - 30	8	Medium sand	Good
2.	34 - 41	7	Fine to Medium sand	Good

- Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 16-21, 31-33, and 42 Mtr bgl to till depth logged.



Geologist