

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAMIRUDDINPUR TW NO. 02, ZONE -1, BLOCK- BARACHAWAR,
DISTT- GHAZIPUR

UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 357 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 04.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 = 14.10 Ohms.

Drilling Water Resistivity = 16.11 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	11 - 20	9	Fine sand	Good
2.	30 - 50	20	Medium sand & kankar	Good
3.	61 - 64	3	Fine sand	Moderate
4.	75 - 90	15	Fine sand	Moderate
5.	110 - 140	30	Fine to Medium sand	Good
6.	150 - 156	6	Fine to Medium sand	Good
7.	167 - 180	13	Medium sand	Good
8.	195 - 205	10	Fine to Medium sand	Good
9.	216 - 222	6	Medium sand	Good

- Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 13-29, 51-60, 65-74, 91-109, 141-149, 157-166, 181-194, 206-215, and 223 Mtr bgl to till depth logged.

