

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KANDHORA KHURD, BLOCK- BARACHAWAR, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 356 mtrs. at above site. Was drilled by M/S VSA Infra Pvt. Ltd. Ghazipur.

On the request of M/S VSA Infra Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.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 = 12.04 Ohms.

Drilling Water Resistivity = 11.08 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	10 - 12	2	Fine sand	Moderate
2.	30 - 33	3	Fine to Medium sand & kan	Moderate
3.	49 - 57	8	Fine sand	Moderate
4.	86 - 94	8	Fine to Medium sand	Moderate
5.	149 - 174	25	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 13-29, 34-48, 58-85, 95-148, 175-206, 221-236 and 251 Mtr bgl to till depth logged.
 3. Quality Of Ground water is deteriorating Marginally Saline in below 207-250 Mtr bgl.

Geologist

