

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHOJPURA TW NO. 2, BLOCK- BIRNON, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 355 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:-

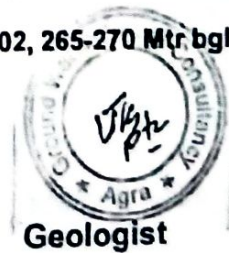
Mud Resistivity = 15.90 Ohms.

Drilling Water Resistivity = 16.18 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	26 - 30	4	Medium sand	Good
2.	69 - 74	5	Medium sand	Good
3.	224 - 242	18	Medium sand	Good
4.	246 - 250	4	Medium sand	Good

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Clay kankar is present in depth range 15-25, 31-39, 45-51, 59-68, 75-164, 203-223, 243-245, 251-264 and 271 Mtr bgl to till depth logged.
 3. Quality Of Ground water is deteriorating Marginally Saline In below 40-58,165-202, 265-270 Mtr bgl.

A circular seal for a geologist. The outer ring contains the text 'Ground Water Engineering' at the top and 'Agra' at the bottom, separated by two stars. In the center, there is a signature and the word 'Geologist' written below it.

Geologist