

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

### Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 107 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 25.Dec.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 = 16.98 Ohms.

Drilling Water Resistivity = 15.90 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	10 - 17	7	Fine sand	Good
2.	27 - 30	3	Fine sand & kankar	Good
3.	39 - 50	11	Medium sand	Good
4.	75 - 80	5	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 7-9, 18-26, 31-38, 51-74 and 81 Mtr bgl to till depth logged.

