

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TAJPUR, BLOCK- SADAR, DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 200 mtrs. at above site. Was drilled by M/s L & T. Ghazipur.

On the request of M/s L & T. Ghazipur. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 07.Jan.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 = 13.01 Ohms.

Drilling Water Resistivity = 12.09 Ohms.

Approx Water Level = 12 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	20 - 37	17	Medium sand	Good
2.	60 - 74	14	Fine to Medium sand	Good
3.	84 - 93	9	Fine to medium sand	Mod to Good

- Note :-**
1. Please ensure pre-monsoon water level before lower the well assembly
  2. Predominated clay is present in depth range 38-58, 75-80, 104-110, 126-134 mtr bgl.
  3. Clay kankar is present in depth range 95-100, 135-167 Mtr bgl to till depth logged.
  4. Quality Of Ground water is deteriorating marginally Saline in between 100- 123, and 167 Mtr bgl to till depth logged.

