

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2448

Date:- 30-11-2023

### NAME OF SITE

GRAM PANCHAYAT- Mirdadpur

BLOCK- Sadar

DISTT- Ghazipur

### NAME OF AGENCY

M/S L&T Ghazipur



## GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



60 + 216 + 24

200 X 150

500 X 450

540 LPM

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 330 mtrs. depth. and Logged depth 327 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 30.Nov.2023.

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 = 15.59 Ohms.

Drilling Water Resistivity = 13.46 Ohms.

Approx Water Level = 8 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	20 - 46	26	Medium sand	Good
2.	68 - 75	7	Fine to Medium sand	Good
3.	80 - 91	11	Fine sand	Mod to Good
4.	98 - 111	13	Fine sand & kankar	Moderate

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly

2. Predominated clay is present in depth range 54-67, and Clay kankar 92-97, and 111 Mtr bgl to till depth logged bgl.

