

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2790

Date:- 30-12-2023

NAME OF SITE

GRAM PANCHAYAT- Mustafabad

BLOCK- Jakhaniya

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



840
60+210+30
300x150
600x450

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUSTAFABAD, BLOCK- JAKHANIYA, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 330 mtrs. depth. and Logged depth 276 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.Dec.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 = 11.07 Ohms.

Drilling Water Resistivity = 08.31 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	8 - 16	8	Fine sand	Moderate
2.	35 - 47	12 - 11.50	Medium sand	Good

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Clay kankar is present in depth range 17-34, 50-97Mtr bgl.
 3. Quality Of Ground water is deteriorating Saline in below 98 Mtr bgl till depth logged.

BP = 3
Cement Seal = 55m



