

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-2524

Date:- 18-01-2024

**NAME OF SITE**

GRAM PANCHAYAT- Matukpur    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  
Agra



550  
78+12  
300x300

## REPORT ON GEOPHYSICAL WELL LOGGING AT

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

### Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 103 mtrs. at above site. Was drilled by M/s L & T. Ghazipur.

On the request of M/s L & T. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.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 = 12.97 Ohms.

Drilling Water Resistivity = 13.57 Ohms.

Approx Water Level = 6 Mtr

300x300

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	15 - 26	11	Fine to Medium sand	Good
2.	37 - 40	3	Fine sand	Moderate
3.	47 - 50	3	Fine sand	Moderate
4.	60 - 67	7 - 6.50	Medium sand	Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly  
2. Clay kankar is present in depth range 27-36, 41-46, 51-59 and 68 Mtr bgl to till depth logged.

BP = 3 m



