

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B-3034

Date:- 07-02-2024

**NAME OF SITE**

GRAM PANCHAYAT- Maharajganj, Scheme- Maharajganj Zone- 1, TW-2  
BLOCK- Sadar DISTT- Ghazipur

**NAME OF AGENCY**

M/s VSA Infra Pvt. Ltd.  
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



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAHARAJGANJ, SCHEME- MAHARAJGANJ ZONE- 1, TW-2,  
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 VSA Infra Pvt. Ltd. Ghazipur.

On the request of M/S VSA Infra Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 07.Feb.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 = 12.15 Ohms.

Drilling Water Resistivity = 13.10 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	34 - 40	6	Fine sand	Mod to Good
2.	52 - 67	15	Medium sand	Good
3.	87 - 105	18	Medium sand	Good

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
  2. Clay kankar is present in depth range 155-160, 170-175, 180-185 Mtr bgl to till depth logged.
  3. Quality Of Ground water is deteriorating Marginally Saline in below 128-154, 161-169, 176-179 and 186 Mtr bgl to till depth logged.
  4. Predominated clay is present in depth range 24-33, 41-49, 68-86, 117-126 mtr bgl.



