

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B-2981

Date:- 26-01-2024

**NAME OF SITE**

GRAM PANCHAYAT- Maharajganj, Scheme- Maharajganj TW No. 1 Zone -1  
BLOCK- Sadar DISTT- Ghazipur

**NAME OF AGENCY**

VSA Infra Pvt. Ltd.  
Ghazipur



**GROUND WATER SURVEY CONSULTANCY**

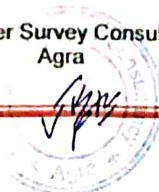
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAHARAJGANJ, SCHEME- MAHARAJGANJ TW NO. 1 ZONE -1,  
BLOCK- SADAR, DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 205 mtrs. depth. and Logged depth 201 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 26.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 = 13.21 Ohms.

Drilling Water Resistivity = 12.39 Ohms.

Approx Water Level = 15 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	28 - 31	3	Fine sand	Good
2.	50 - 57	7	Fine to Medium sand	Good
3.	65 - 70	5	Fine to Medium sand	Good
4.	80 - 98	18	Medium sand & kankar	Good

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
  2. Quality Of Ground water is deteriorating Marginally Saline in between 130 Mtr bgl to till depth logged.
  3. Clay kankar is present in depth range 100-129 Mtr bgl.
  4. Predominated clay is present in depth range 32-49, 58-64, 71-79 Mtr bgl.



