

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2455

Date:- 01-12-2023

NAME OF SITE

GRAM PANCHAYAT- Dhawa Mohabbatpur, Scheme - Shikarpur Dhawa Zone -1
BLOCK- Manihari 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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Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHAWA MOHABBATPUR, SCHEME - SHIKARPURDHAWA ZONE- 1
BLOCK- MANIHARI, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 01.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 = 14.14 Ohms.

Drilling Water Resistivity = 13.30 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	12 - 17	5	Fine sand	Mod to Good
2.	98 - 108	10	Fine to Medium sand	Good

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Predominated clay is present in depth range 18-24, 33-41, 55-71, 91-95 and 109 mtr bgl to till depth logged.
 3. Quality Of Ground water is deteriorating Marginally Saline in between 25-90 Mtr bgl.

Geologist



