

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-2444

Date:- 28-12-2023

NAME OF SITE

GRAM PANCHAYAT- Pahalatola, TW-2, Zone - 2, Scheme - Dhruwarjun
BLOCK- Deokali 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- PAHALATOLA, TW-2, ZONE - 2, SCHEME - DHRUWARJUN,
BLOCK- DEOKALI, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 220 mtrs. depth. and Logged depth 198 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 28.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 = 15.04 Ohms.

Drilling Water Resistivity = 13.28 Ohms.

Approx Water Level = 3 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	25 - 31	6	Fine to Medium sand	Mod to Good
2.	135 - 142	7	Fine sand	Mod to Good
3.	150 - 156	6	Fine sand	Mod to 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 40-110, and 176 Mtr bgl to till depth logged.
 3. Clay kankar is present in depth range 33-39, 47-51, 57-69, 75-85, 111-127, 157-175 Mtr bgl.



