

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2568

Date:- 01-02-2024

NAME OF SITE

GRAM PANCHAYAT- Mubarakpur

BLOCK- Barachawar

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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUBARAKPUR, BLOCK- BARACHAWAR, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 336 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.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 = 17.04 Ohms.

Drilling Water Resistivity = 18.67 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	22 - 31	9	Fine to Medium sand	Good
2.	40 - 50	10	Medium sand	Good
3.	56 - 65	9	Medium sand	Good
4.	70 - 81	11	Fine to Medium sand	Good
5.	194 - 205	11	Fine to Medium sand	Mod to Good
6.	224 - 229	5	Fine sand	Mod to Good
7.	302 - 307	5	Medium sand	Good
8.	312 - 318	6	Medium sand	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 98-180 Mtr bgl.
 3. Clay kankar is present in depth range 206-223,230-242, 298-301,308-311 and 319 Mtr bgl to till depth logged.
 4. Predominated clay is present in depth range 12-21, 82-87, 181-190 Mtr bgl.



 N16 (5N)
 N64 (LN)

உள்ளே இருக்கும்
மேல்பகுதி போல்
பொருள் கொள்வது

Abstract

Logger S1 No.
IGIS/S/02/23-24

SP (mV)

Logger Woods

DMPPL-2

Logos Owned by

**Ground Water
Survey Consultancy
Agra UP India**

