

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 360

Date:- 13-10-2024

NAME OF SITE

GRAM PANCHAYAT- Mirjapur Zone- 1, TW No- 1 BLOCK- Sadat
DISTT- Ghazipur

NAME OF AGENCY

M/s VSA Infra Projects 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- MIRJAPUR ZONE - 1, TW NO. -2, BLOCK- SADAT, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 105 mtrs. depth. and Logged depth 100 mtrs. at above site. Was drilled by M/S VSA Infra Projects Pvt. Ltd. Ghazipur.

On the request of M/S VSA Infra Projects Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 13.Oct.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 = 13.90 Ohms.

Drilling Water Resistivity = 14.21 Ohms.

Approx Water Level = 8 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	10 - 20	10	Medium sand	Good
2.	27 - 32	5	Fine sand & kankar	Good
3.	50 - 55	5	Fine to medium sand	Mod to Good
4.	70 - 73	3	Fine sand	Mod to Good
5.	81 - 85	4	Fine sand	Moderate

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly

2. Clay kankar is present in depth range 21-26, 33-49, 56-69, 74-80 and 86 Mtr bgl to till depth logged.



Rhos a
 N 16(SN)
 N 64 (LN)
 LAT

Location:
 89° 45' 30" E
 28° 14' 30" N
 Log No:
 US CGS 16-2
 Date:
 13 Oct 2024
 Time:
 12:23
 Operator:
 Arun Kumar Singh
 Site Code:

Logger ID No:
 IGIS/S/02/23-24

Logger Model:
 SP

DMP/L: 2
 Logger Owned by:
 Ground Water
 Survey Consultancy
 Agra UP India

