

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B-336

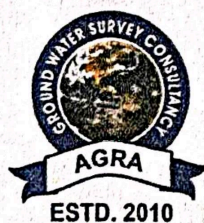
Date:- 21-09-2024

NAME OF SITE

GRAM PANCHAYAT- Mirjapur Zone -2 BLOCK- Sadat DISTT- Ghazipur

NAME OF AGENCY

M/s VSAIPPL-SMC-JV
Ghazipur



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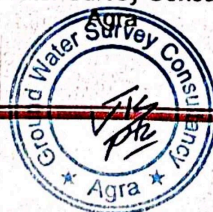
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MIRJAPUR ZONE - 2, BLOCK- SADAT, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 105 mtrs. depth. and Logged depth 98 mtrs. at above site. Was drilled by M/s c. Ghazipur.

On the request of M/S VSAIPPL-SMC-JV. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 21. September. 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 = 15.76 Ohms.

Drilling Water Resistivity = 16.90 Ohms.

Approx Water Level = 6 Mtr

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------------|------------------------|
| 1. | 10 - 17 | 7 | Medium sand | Good |
| 2. | 31 - 36 | 5 | Medium sand | Good |
| 3. | 48 - 53 | 5 | Fine to medium sand | Good |
| 4. | 76 - 81 | 5 | Fine sand | Mod to Good |

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 18-30, 37-47, 54-75, and 82 Mtr bgl to till depth logged.

