

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:23-24:LS:K- 618

Dated: 07-02-2024

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Barusakrvari Imli Gaon**
Block: **Dostpur**
District: **Sultanpur**
State: **Uttar Pradesh**
Date of Logging: **06-02-2024**
Drilling Depth: **165.0 m bgl**
Logging Depth: **163.0 m bgl**
Rm – **18.0 Ωm** Rw – **20.0 Ωm**

Latitude: **26.274767**

Longitude: **84.400286**


Borehole Drilled by: **M/s VTL GAJA Engineering Limited, Sultanpur, Uttar Pradesh.**

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N-16")**, **Long Normal (N-64")** and **Lateral 6'** Geophysical Logs, following informations/granular zones have been deciphered with respect to **Salinity** only:

| Sl. No. | Depth Range (m bgl) | Thickness (meter) | Remark (Quality of Aquifer Water) |
|---------|---------------------|-------------------|-----------------------------------|
| 1. | 18 – 22 | 04 | Good |
| 2. | 30 – 36 | 06 | Good |
| 3. | 40 – 46 | 06 | Good |
| 4. | 65 – 68 | 03 | Good |
| 5. | 70 – 74 | 04 | Good |
| 6. | 79 – 85 | 06 | Good |
| 7. | 110 – 114 | 04 | Moderate |

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No.3 & 6 are highly intermixed with fine bands of Kankar.
3. Quality of ground water is deteriorating marginal to saline below 130.0 m bgl to till depth logged.
4. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's


(S. Shukla)