

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:22-23:LS:1K- **615**

Dated: 24-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Sahatpur**
Block: **Akhand Nagar**
District: **Sultanpur**
State: **Uttar Pradesh**
Date of Logging: **22-02-2023**
Drilling Depth: **275.0 m bgl**
Logging Depth: **232.0 m bgl**
Rm – **20.0 Ω m** Rw – **16.0 Ω m**


Borehole Drilled by: M/s VTL GAJA Engineering Ltd. Sultanpur, U.P.

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.	25 – 29	04	Good
2.	35 – 44	09	Good
3.	63 – 76	13	Good
4.	82 – 95	13	Good
5.	102 – 109	07	Good
6.	190 – 197	07	Moderate
7.	208 – 212	04	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the Zones.
2. Zone Sl. No. 1 & 7 are highly kankar intermixed.
3. Zone Sl. No. 3 & 4 are highly intermixed with fine bands of kankar.
4. Quality of ground water is deteriorating Marginal to Saline in between 112.0 to 183.0 m bgl.
5. Predominated Clay is present in depth range 183.0 to 188.0 m bgl.
6. Clay is present in depth range 198.0 to 202.0 m bgl.

For Geo Instruments & Technic's


(S. Shukla)