

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:23-24:LS: 642

Dated: 12-10-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Sailaudhi**
Block: **Gaura**
District: **Pratapgarh**
State: **Uttar Pradesh**
Date of Logging: **12-10-2023**
Logging Depth: **294.0 m bgl**
Rm – **14.0 Ω m** Rw – **17.0 Ω m**
Latitude: **25.7636790** Longitude: **82.1432710**

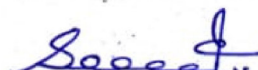
Borehole Drilled by: M/s **JMC India Limited, Pratapgarh, Uttar Pradesh.**

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.	21 – 28	07	Good
2.	32 – 38	06	Moderate
3.	186 – 190	04	Moderate to Marginal
4.	204 – 208	04	Moderate
5.	213 – 220	07	Moderate to Marginal
6.	235 – 242	07	Moderate to Marginal
7.	250 – 257	07	Moderate to Marginal

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Quality of Ground water is deteriorating marginal to saline in between 44.0 to 180.0 and below 264.0 m bgl to till depth logged.
3. Predominated clay is present in depth range 150.0 to 164.0 m bgl.
4. Clay and kankar intercalation is present in depth range 180.0 to 185.0 m bgl.

For Geo Instruments & Technic's


(S. Shukla)