

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: 778

Dated: 21-12-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Nauvapur**
Block: **Mandhata**
District: **Pratapgarh**
State: **Uttar Pradesh**
Date of Logging: **21-12-2023**
Logging Depth: **222.0 m bgl**
Rm - **12.0 Ω m** Rw - **13.0 Ω m**

Latitude: **25.7348210** Longitude: **81.8846260**


Borewell Drilled By: **M/s Kalpataru Power International 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 (meters)	Remarks (Quality of aquifer water)
1.	24 - 31	07	Good
2.	34 - 37	03	Moderate
3.	41 - 47	06	Moderate
4.	206 - 209	03	Moderate
5.	216 - 220	04	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No. 1 & 3 are highly intermixed with fine bands of Kankar.
3. Quality of ground water is deteriorating marginal to saline in between 54.0 to 191.0 till depth logged.
4. Predominated Clay is present in depth range 191.0 to 197.0 m bgl.
5. Clay and kankar intercalation is present in depth range 200.0 to 206.0 m & 209.0 to 215.0 bgl.
6. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's


(S. Shukla)