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# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref.GIT:UP23-24:LS: 612

Dated: 05-10-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Natohi  
Block: Kalakankar  
District: Pratapgarh  
State: Uttar Pradesh  
Date of Logging: 04-10-2023  
Logging Depth: 202.0 m bgl  
Rm - 7.0  $\Omega$ m Rw - 13.0  $\Omega$ m

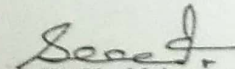
Borehole Drilled by: M/s Power Mech Project Limited, Pratapgarh,  
Uttar Pradesh, India.

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.	17 - 21	04	Good
2.	26 - 36	10	Good
3.	102 - 108	06	Moderate
4.	116 - 120	04	Moderate
5.	162 - 169	07	Good to Moderate
6.	176 - 180	04	Moderate

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.  
2. Zones Sl. No. 2 to 5 are highly intermixed with fine bands of kankar.  
3. Zone Sl. No. 4 is fine sand in nature.  
4. Quality of Ground water is deteriorating marginal to saline in between 42.0 to 72.0 m bgl.  
5. Predominated clay is present in depth range 72.0 to 92.0 m bgl.  
6. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's

  
(S. Shukla)

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