

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP:23-24:LS: 96  
Dated: 04-05-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Khemkaranpur  
Block: Bihar  
District: Pratapgarh  
State: Uttar Pradesh  
Logging depth: 250.0 m bgl  
Date of logging: 02-05-2023  
Rm - 12.0  $\Omega$ m Rw - 11.0  $\Omega$ m

Borewell Drilled By: M/s Power Mech Pratapgarh. U.P. 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 (meters)	Remarks (Quality of aquifer water)
1.	18 - 22	04	Good
2.	43 - 46	03	Good
3.	89 - 96	07	Good
4.	172 - 175	03	Good
5.	182 - 186	04	Good
6.	190 - 194	04	Moderate

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.  
2. Zone Sl. No. 5 is highly intermixed with fine bands of kankar.  
3. Quality of ground water is deteriorating marginal to saline in between 102.0 to 160.0 m bgl.  
4. Predominated clay and Kankar intercalation is present in depth range 160.0 to 170.0 m bgl.  
5. Please ensure pre-monsoon water level before lower the well assembly.

*Verified as per logs provided*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

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06/05/23*