

# 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: 208  
Dated: 05-06-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Khargipur  
Block: Bihar  
District: Pratapgarh  
State: Uttar Pradesh  
Logging depth: 224.0 m bgl 230 MBGL  
Date of logging: 02-06-2023  
Rm -14.0 Om Rw -10.0 Om

Borewell Drilled By: M/s Power Mech. Project Ltd., Pratapgarh, 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 (meters)	Remarks (Quality of aquifer water)
1.	28 - 38	10	Good
2.	42 - 46	04	Good
3.	167 - 174	07	Moderate
4.	183 - 190	07	Moderate to Marginal
5.	201 - 205	04	Moderate to Marginal
6.	217 - 221	04	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 61.0 to 116.0 m bgl.,  
3. Predominated clay is present in depth range 116.0 to 122 & 142.0 to 146.0 m bgl  
4. Please ensure pre-monsoon water level before lower the well assembly.

*Verified as per logs provided.*

*G.S.R  
06/06/23*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)