

# 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: 828-A  
Dated: 18-01-2024

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Sarai Raja – Relogging  
Block: Mandhata  
District: Pratapgarh  
State: Uttar Pradesh  
Date of Logging: 18-01-2024  
Logging Depth: 224.0 m bgl  
Rm – 11.0  $\Omega$ m Rw – 12.0  $\Omega$ m  
Latitude: 25.7670750 Longitude: 81.9081150


Borewell Drilled By: M/s Kalpataru Project 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.	16 – 20	04	Good
2.	30 – 40	10	Good
3.	49 – 55	06	Good
4.	57 – 61	04	Good
5.	147 – 154	07	Moderate to Marginal
6.	169 – 173	04	Good
7.	176 – 180	04	Good
8.	186 – 190	04	Good
9.	192 – 196	04	Good
10.	200 – 204	04	Moderate
11.	215 – 219	04	Moderate to Marginal

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.  
2. Zone Sl. No. 8 & 9 are highly intermixed with fine bands of kankar.  
3. Quality of ground water is deteriorating marginal to saline in between 81.0 to 134 m bgl.  
4. Predominated clay is present in depth range 134.0 to 146.0, 156.0 to 160.0 and 163.0 to 168.0 m bgl.  
5. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's

  
(S. Shukla)