

# 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: 711  
Dated: 20-11-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Devgarh  
Block: Gaura  
District: Pratapgarh  
State: Uttar Pradesh  
Date of Logging: 19-11-2023  
Logging Depth: 250.0 m bgl  
Rm – 13.0  $\Omega$ m Rw – 14.0  $\Omega$ m

Latitude: 25.776451 Longitude: 82.047841


Borehole 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 (meter)	Remark (Quality of Aquifer Water)
1.	16 – 20	04	Good
2.	26 – 30	04	Good
3.	45 – 52	07	Moderate
4.	188 – 194	06	Moderate
5.	206 – 212	06	Moderate
6.	235 – 242	07	Moderate

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.  
2. Zone Sl. No. 6 is highly intermixed with fine bands of Kankar.  
3. Quality of ground water is deteriorating marginal to saline in between 80.0 to 150.0 m bgl.  
4. Predominated clay is present in depth range 150.0 to 162.0 m bgl.  
5. Clay and Kankar intercalation is present in depth range 176.0 to 185.0 m bgl.  
6. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's

  
(S. Shukla)