

# 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: 179  
Dated: 26-05-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Rai Kashipur  
Block: Baba Ganj  
District: Pratapgarh  
State: Uttar Pradesh  
Logging depth: 285.0 m bgl  
Date of logging: 24-05-2023  
Rm - 15.0  $\Omega$ m Rw - 13.0  $\Omega$ m

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.	25 - 29	04	Good
2.	40 - 47	07	Good
3.	64 - 67	03	Moderate
4.	129 - 133	04	Good to Moderate
5.	166 - 170	04	Good
6.	184 - 194	10	Good
7.	200 - 206	06	Good to Moderate
8.	212 - 216	04	Moderate to Marginal
9.	226 - 273	07	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 65.0 to 96.0 & below 254.0 m bgl to till depth logged.  
3. Predominated Clay is present in depth range 96.0 to 128.0 m bgl.  
4. Clay and Kankar intercalation is present in depth range 152.0 to 156.0 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)

GSh  
26/05/23