

# 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: PJM:22-23:LS:1K-662

Dated: 20-02-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Khanpur  
Block: Jahanganj  
District: Azamgarh  
State: Uttar Pradesh  
Date of Logging: 19-02-2023  
Drilling depth: 180.0 m bgl  
Logging Depth: 170.0 m bgl  
Rm - 16.0  $\Omega$ m Rw - 15.0  $\Omega$ m

Borehole Drilled by: M/s Sudhakar Infra Pvt. Ltd. Azamgarh, 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.	20 - 24	04	Good
2.	32 - 38	06	Good
3.	56 - 66	10	Good
4.	72 - 75	03	Moderate
5.	76 - 80	04	Moderate

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones  
2. Zone Sl. No. 2 is highly kankar Intermixed.  
3. Quality of ground water is deteriorating Marginal to Saline below 88.0 m bgl to till depth Logged.  
4. Please ensure pre-monsoon water level before lower the well assembly.

*Verified as per logs provided.*

*G.S.  
21/02/23*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)