

# 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: PJM:22-23:LS:1K- 756

Dated: 21-03-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Umari  
Block: Kurebhar  
District: Sultanpur  
State: Uttar Pradesh  
Date of Logging: 19-03-2023  
Drilling Depth: 299.0 m bgl  
Logging Depth: 299.0 m bgl  
Rm -14.0 Qm R<sub>w</sub> -15.0 Qm

Borehole Drilled by: M/s Vikram Engineering & Exim Pvt. Ltd. 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 (mbgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	18 - 22	04	Good
2.	28 - 32	06	Good
3.	44 - 48	04	Good
4.	60 - 64	04	Good
5.	68 - 72	04	Good
6.	91 - 104	13	Good

- Note: 1. Fine bands of kankar are Intermixed with almost all the Zones.  
2. Quality of ground water is deteriorating Marginal to Saline below 109.0 m bgl to till depth logged.  
3. Zones Sl. No.1 is highly kanakr Intermixed.  
4. Zones Sl. No. 2, 5 & 6 are highly Intermixed with fine bands of kankar.  
5. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per  
logs provided

Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

GSh  
21/03/23