

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upton Borehole logging system, UPTON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:22-23:LS:1K- 341

Dated: 29-01-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Banmaie**  
Block: **Kurebhar**  
District: **Sultanpur**  
State: **Uttar Pradesh**  
Date of Logging: **28-01-2023**  
Drilling Depth: **288.0 m bgl**  
Logging Depth: **258.0 m bgl**  
Rm - **17.0  $\Omega$ m** Rw - **16.0  $\Omega$ m**

Borehole Drilled by: M/s VTL GAJA Engineering Ltd., Sultanpur, 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 (meter)	Remark (Quality of Aquifer Water)
1.	30 - 33	03	Good
2.	38 - 45	07	Good
3.	60 - 64	04	Good
4.	72 - 75	03	Good
5.	90 - 104	14	Good
6.	112 - 119	07	Good
7.	168 - 175	07	Moderate

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.  
2. Zone Sl. No. 2 is highly intermixed with fine bands of kankar.  
3. Zone Sl. No. 4 is Fine Sand in nature.  
4. Quality of ground water is deteriorating Marginal to Saline below 190.0 m bgl to till depth Logged.  
5. Please ensure pre-monsoon water level before lower the well assembly.

*Verified as per logs provided.*

*GSh  
30/01/23*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)