

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:23-24:LS:K- 381
Dated: 27-10-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Bankta**
Block: **Haraiya**
District: **Azamgarh**
State: **Uttar Pradesh**
Date of Logging: **27-10-2023**
Drilling Depth: **175.0 m bgl**
Logging Depth: **170.0 m bgl**
Rm – **17.0 Ωm** Rw – **18.0 Ωm**
Latitude: **26.232383** Longitude: **83.302350**


Borehole Drilled by: **M/s Eco Protection Engineers, Azamgarh, 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.	18 – 25	07	Good
2.	28 – 32	04	Good
3.	40 – 47	07	Good
4.	58 – 62	04	Good
5.	65 – 71	06	Good
6.	75 – 90	15	Good
7.	96 – 100	04	Good
8.	115 – 125	10	Good
9.	146 – 150	04	Moderate

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No. 3 is highly intermixed with kankar.
3. Zone Sl. No. 6 is highly intermixed with fine bands of kankar.
4. Quality of ground water is deteriorating marginal to saline below 158.0 m bgl to till depth logged.
5. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's


(S. Shukla)