

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- **610**

Dated: 24-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Mohnath**
Block: **Mobabbatpur**
District: **Azamgarh**
State: **Uttar Pradesh**
Date of Logging: **20-02-2023**
Drilling Depth: **205.0 m bgl**
Logging Depth: **182.0 m bgl**
Rm - **15.0 Qm** Rw - **16.0 Qm**

Borehole Drilled by: M/s. **Sudhakar Infratech 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 (meter)	Remark (Quality of Aquifer Water)
1.	27 - 34	07	Good
2.	42 - 46	04	Good
3.	58 - 65	07	Good
4.	100 - 103	03	Good
5.	106 - 110	04	Good
6.	154 - 160	06	Good
7.	165 - 172	07	Good

- Note: ~~1.~~ Fine bands of kankar are intermixed with almost all the Zones.
~~2.~~ Quality of ground water is deteriorating in between 120.0 to 146.0 m bgl.
~~3.~~ Predominated Clay is present in depth range 148.0 to 151.0 m bgl.

Verified as per logs provided
↓
GSh
24/02/23

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)