

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: 115

Dated: 05-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Mohammadpur Sarai Ali (Re- Logging)**
Block: **Mauaima**
District: **Prayagraj**
State: **Uttar Pradesh**
Date of Logging: **06-05-2023**
Drilling Depth: **180.0 m bgl**
Logging Depth: **168.0 m bgl**
Rm - **13.0 Ω m** Rw - **15.0 Ω m**

Borehole Drilled by: **L & T Limited, Prayagraj, U. P. India.**

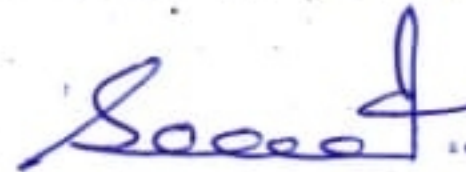
Based on the interpretation of **Self Potential (SP)**, **Short Normal (N-16'')**, **Long Normal (N-64'')** and **Lateral (6')** geophysical logs following informations/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	20 - 24	04	Good
2.	84 - 94	10	Good
3.	109 - 116	07	Good
4.	119 - 123	04	Good
5.	133 - 140	07	Good
6.	144 - 148	04	Good
7.	161 - 164	03	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No. 2 is highly intermixed with fine band of kankar.
3. Quality of ground water is deteriorating marginal to saline in between 36.0 to 67.0 m bgl.
4. Predominated Clay is present in depth range in 67.0 to 82.0 m bgl.

Verified as per logs provided
Note: Sr No 7 is highly kankar intermixed

For Geo Instruments & Technic's


(S. Shukla)

GSh
09/05/23