

# 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: **1K20**

Dated: 25-12-2022

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Mohabbatpur  
Block: Siddhaur  
District: Barabanki  
State: Uttar Pradesh  
Drilling Depth: 170.0 m bgl  
Logging Depth: 166.0 m bgl  
Date of logging: 24-12-2022  
Rm - 20.0  $\Omega$ m Rw - 21.0  $\Omega$ m

Borehole Drilled by: M/s Megha Engineering & Infrastructure Limited,  
Barabanki, 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.      | 25 - 29             | 04                | Good                              |
| 2.      | 35 - 42             | 07                | Good                              |
| 3.      | 49 - 56             | 07                | Good                              |
| 4.      | 61 - 70             | 09                | Good                              |
| 5.      | 79 - 83             | 04                | Good                              |
| 6.      | 97 - 101            | 04                | Good                              |
| 7.      | 106 - 109           | 03                | Good                              |
| 8.      | 115 - 122           | 07                | Good                              |

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.  
2. Zone Sl. No. 1 is highly Intermixed with thin bands of kankar.  
3. Zone Sl. No. 6 & 7 are Fine to Medium Sand in Nature.  
4. Quality of Ground water is deteriorating marginal to saline below 142.0 m bgl to till depth Logged.

*Verified as per logs provided*  
*GCh*  
*27/12/22*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)