

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: ~~PHM~~:23-14:LS: 479

Dated: 21-07-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Saral Lalmatti
Block: Rampur Sangramgarh
District: Pratapgarh
State: Uttar Pradesh
Date of Logging: 19-07-2023
Logging Depth: 307.0m bgl
Rm - 15.0 Ω m Rw - 14.0 Ω m

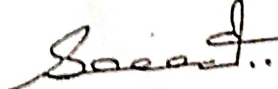
Borehole Drilled by: M/s Power Mech Project Ltd., Pratapgarh, U.P.

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. | 25 - 35 | 10 | Good |
| 2. | 40 - 44 | 04 | Good |
| 3. | 66 - 72 | 06 | Good to Moderate |
| 4. | 143 - 147 | 04 | Moderate |
| 5. | 152 - 159 | 07 | Good |
| 6. | 165 - 168 | 03 | Good |
| 7. | 173 - 177 | 04 | Good |
| 8. | 196 - 200 | 04 | Good |
| 9. | 212 - 216 | 04 | Good to Moderate |

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No. 6 is fine sand in nature.
3. Quality of Ground water is deteriorating in between 82.0 to 132.0 mbgl.
4. Quality of Ground water is deteriorating Marginal to Saline below 228.0 m bgl to till depth logged.
5. Predominated clay is present in depth range 132.0 to 142.0 m bgl.

For Geo Instruments & Technic's


(S. Shukla)