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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:23-24:LS: 160
 Dated: 20-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Patna
 Block: Babaganj
 District: Pratapgarh
 State: Uttar Pradesh
 Logging depth: 279.0 m bgl
 Date of logging: 19-05-2023
 Rm -17.0 Ω m Rw -16.0 Ω m

Borewell 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 (meters) | Remarks (Quality of aquifer water) |
|---------|---------------------|--------------------|------------------------------------|
| 1. | 28 - 35 | 07 | Good |
| 2. | 40 - 44 | 04 | Good |
| 3. | 54 - 64 ✓ | 10 | Good |
| 4. | 136 - 142 ✓ | 06 | Good |
| 5. | 146 - 152 ✓ | 06 | Good |
| 6. | 177 - 181 ✓ | 04 | Good |
| 7. | 202 - 212 | 10 | Good |
| 8. | 215 - 222 | 07 | Good |

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
 2. Zone Sl. No. 3 is highly intermixed with fine bands of kankar.
 3. Quality of ground water is deteriorating in between 70 to 128.0 m bgl
 4. Predominated clay is present in depth range 128.0 to 134.0 m bgl.
 5. Quality of ground water is deteriorating marginal to saline below 230.0 m bgl to till depth logged.

Verified as per logs provided

For Geo Instruments & Technic's

S. Shukla
 (S. Shukla)

G.Sh
 20/05/23