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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: 22-23:LS: 300

Dated: 27-02-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Bhitara  
Block: Bihar  
District: Pratapgarh  
State: Uttar Pradesh  
Date of Logging: 24-02-2023  
Logging Depth: 280.0 m bgl  
Rm - 15.0 cm Rw - 17.0 cm

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 (meter) | Remark (Quality of Aquifer Water) |
|---------|---------------------|-------------------|-----------------------------------|
| 1.      | 25 - 29             | 04                | Good                              |
| 2.      | 38 - 51             | 13                | Good                              |
| 3.      | 54 - 58             | 04                | Good                              |
| 4.      | 90 - 93             | 03                | Good to Moderate                  |
| 5.      | 98 - 102            | 04                | Good to Moderate                  |
| 6.      | 115 - 119           | 04                | Good to Moderate                  |
| 7.      | 125 - 131           | 06                | Good to Moderate                  |
| 8.      | 140 - 150           | 10                | Good to Moderate                  |
| 9.      | 170 - 176           | 06                | Good                              |
| 7.      | 205 - 209           | 04                | Good                              |
| 5.      | 223 - 227           | 04                | Good                              |
| 9.      | 237 - 244           | 07                | Moderate                          |

Note: 1. Fine bands of kankar are intermixed with almost all the zones.

2. Zone Sl. No. 1 is highly kankar Intermixed.

3. Zone Sl. No. 5 is highly intermixed with fine bands of kankar.

4. Quality of ground water is deteriorating Marginal to Saline below 250.0 m bgl to till depth logged.

5. Predominated Clay is present in depth range 70.0 to 86.0 & 160.0 to 166.0 m bgl.

*Verified as per logs provided*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

*G. S. H.*  
*20/02/23*