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GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:22-23:LS: 218

Dated: 24-01-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Basauli
Block: Patti
District: Pratapgarh
State: Uttar Pradesh
Date of Logging: 23-01-2023
Logging Depth: 316.0 m bgl
Rm – 15.5 Ω m Rw – 20.0 Ω m

Borehole Drilled by: M/s Power Mech Project Ltd., Pratapgarh, 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.	18 – 22	04	Good
2.	34 – 38	04	Good
3.	45 – 57	12	Good
4.	146 – 153	07	Good
5.	156 – 162	06	Good
6.	170 – 174	04	Good
7.	189 – 196	07	Moderate

- Note: 1. All the zones are highly intermixed with fine bands of kankar.
2. Quality of ground water is deteriorating Marginal to Saline in between 77.0 to 130.0 and below 220.0 m bgl till depth logged.
2. Clay and Kankar intercalation is present in depth range 130.0 to 137.0m bgl & 140.m bgle to 143.0 m bgl.

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)