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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: PJM:22-23:LS:1K- 350

Dated: 30-01-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Pali
Block: Mariyahun
District: Jaunpur
State: Uttar Pradesh
Date of Logging: 29-01-2023
Logging Depth: 325.0 m bgl
Rm 15.0 Ω m Rw - 14.8 Ω m

Borehole Drilled by: M/s Welspun Enterprises, Jaunpur, 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.	30 - 34	04	Good
3.	38 - 42	04	Moderate
4.	48 - 52	04	Moderate
5.	166 - 173	07	Moderate
6.	178 - 185	07	Good to Moderate
7.	202 - 205	03	Good
8.	215 - 222	07	Good
9.	226 - 230	04	Good
10.	241 - 245	04	Good
11.	250 - 257	07	Good
12.	263 - 267	04	Good
13.	274 - 277	03	Good
14.	310 - 318	08	Moderate to Marginal

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.
2. Zone Sl. No. 5 & 11 are highly intermixed with fine bands of Kankar.
3. Quality of ground water is deteriorating Marginal to Saline in between 56.0 to 136.0 m bgl.
4. Clay and Kankar Intercalation is present in depth range 136.0 to 142.0 m bgl.
5. Predominated Clay is present in depth range 186.0 to 197.0 m bgl.

Verified as per
logs provided

GSh
31/01/23

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)