

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- 528

Dated: 16-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Kalyanpur
Block: Akhand Nagar
District: Sultanpur
State: Uttar Pradesh
Date of Logging: 15-02-2023
Drilling Depth: 300.0 m bgl
Logging Depth: 288.0 m bgl
Rm - 18.0 Ω m Rw - 15.0 Ω m

Borehole Drilled by: M/s VTL GAJA Engineering Ltd., Sultanpur, 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.	26 - 30	04	Good
2.	33 - 37	04	Good
3.	42 - 52	10	Good
4.	72 - 88	16	Good
5.	92 - 99	07	Good
6.	106 - 110	04	Moderate
7.	118 - 125	07	Moderate
8.	194 - 200	04	Good
9.	203 - 207	04	Good
10.	210 - 214	04	Good
11.	220 - 223	03	Moderate

Note: 1. Zones Sl. No. 1&2 are highly intermixed with kankar.

2. Quality of ground water is deteriorating Marginal to Saline in between 134.0 to 178.0 & below 228.0 m bgl to till depth logged.

3. Clay and Kankar intercalation is present in depth range 178.0 to 194.0 m bgl.

Verified as per logs provided

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

G.Sh
17/02/23