

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upton Borehole logging system, UPTON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:22-23:LS:1K- 98

Dated: 04-01-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Jargo Khas
Block: Mardah
District: Ghazipur
State: Uttar Pradesh
Date of Logging: 03-01-2023
Drilling depth: 320.0 m bgl
Logging Depth: 293.0 m bgl
Rm - 18.0 Ω m Rw - 17.0 Ω m

Borehole Drilled by: M/s VSAIPPL, Ghazipur, Uttar Pradesh, 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 (meters)	Remarks (Quality of aquifer water)
1.	28 - 31	03	Good
2.	34 - 44	10	Good
3.	52 - 55	03	Moderate
4.	274 - 278	04	Moderate

Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.

2. Quality of Ground water is deteriorating Marginal to Saline in between 56.0 m to 225.0 bgl.

3. Clay and Kankar intercalation is present in depth range 250.0 to 260.0 m bgl.

4. Please ensure pre-monsoon water level before lower the well assembly.

*Verified as per logs provided.
Note - prominent clay layer lies in bgl 225 - 238 m bgl.*

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

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05/01/23*