

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: 339

Dated: 24-06-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Faridahan**
Block: **Saidpur**
District: **Ghazipur**
State: **Uttar Pradesh**
Date of Logging: **24-06-2022**
Drilling depth: **330.0 m bgl**
Logging Depth: **265.0 m bgl**
Rm - 5.0 Ω m Rw - 7.5 Ω m

Borehole Drilled by: **VSAIPPL-SMC JV, 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.	25 - 30	05	Good
2.	115 - 122	07	Moderate
3.	133 - 143	10	Moderate
4.	155 - 160	05	Moderate
5.	164 - 168	04	Moderate
6.	173 - 180	07	Good
7.	194 - 204	10	Good
8.	211 - 215	04	Good
9.	219 - 226	07	Good
10.	230 - 233	03	Moderate
11.	250 - 254	04	Moderate

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

2. Quality of Ground Water is deteriorating Marginal to Saline in between 61.0 to 97.0 m bgl.

3. Good Clays in depth range 90 - 94, 100 - 103 and 170 - 173 m bgl.

Verified as per logs provided.

For Geo Instruments & Technic's

S. Shukla
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