

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:23-24:LS: **599**
Dated: 30-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Peethapur Zone- 5**
Block: **Ghazipur**
District: **Ghazipur**
State: **Uttar Pradesh**
Date of Logging: **30-05-2023**
Drilling depth: **210.0 m bgl**
Logging Depth: **203.0 m bgl**
Rm - **14.0 Ωm** Rw - **16.0 Ωm**

Borehole Drilled by: M/s VSAIPPL-SMC JV, Ghazipur, Uttar Pradesh.

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.	18 - 22	04	Good
2.	62 - 72	10	Good
3.	76 - 80	04	Good
4.	92 - 99	07	Good
5.	108 - 112	04	Good
6.	118 - 122	04	Good
7.	128 - 132	04	Good
8.	135 - 139	04	Good
9.	143 - 147	04	Good
10.	178 - 185	07	Moderate

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zones Sl. No. 6 & 8 are highly intermixed with fine bands of kankar.
3. Quality of ground water is deteriorating marginal to saline in between 32.0 to 53.0 m bgl.
4. Predominated clay is present in depth range in between 53.0 to 61.0 to m bgl.
5. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per logs provided

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

G. Sh
31/05/23