

# 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: 660

Dated: 22-10-2022

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Gandhpa**  
 Block: **Barachawar**  
 District: **Ghazipur**  
 State: **Uttar Pradesh**  
 Date of Logging: **21-10-2022**  
 Drilling depth: **330.0 m bgl**  
 Logging Depth: **326.0 m bgl**  
 Rm – **9.0 Ωm**    Rw – **7.0 Ωm**

Borehole Drilled by: M/s VSA IPPL, 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.	24 – 30	06	Good
2.	48 – 52	04	Moderate
3.	167 – 177	10	Good
4.	206 – 213	07	Good
5.	232 – 245	13	Good
6.	255 – 259	04	Good
7.	288 – 295	07	Good
8.	310 – 317	07	Good
9.	320 – 323	03	Good

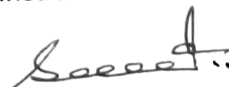
Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.

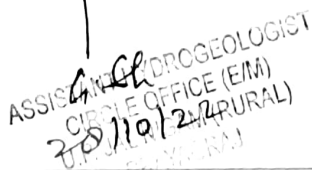
2. Quality of Ground Water is deteriorating Marginal to Saline in between 67.0 to 153.0 m bgl to till depth logged.

3. Predominated Clay is present in depth range 157.0 160.0 and 192.0-200.0 m bgl.

Verified as per logs provided.  
 Note: Sr No 7 is highly kankar intermixed.

For Geo Instruments & Technic's

  
 (S. Shukla)

  
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