

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:22-23:LS: *1K-114*
Dated: 05-01-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Patar**
Block: **Barachawar**
District: **Ghazipur**
State: **Uttar Pradesh**
Date of Logging: **04-01-2023**
Drilling Depth: **330.0 m bgl**
Logging Depth: **293.0 m bgl**
Rm - **41.0 Ω m** Rw - **40.0 Ω m**

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 (meter)	Remark (Quality of Aquifer Water)
1.	17 - 24	07	Good
2.	30 - 34	04	Good
3.	40 - 44	04	Good
4.	50 - 56	06	Good
5.	62 - 68	06	Good
6.	83 - 86	03	Good
7.	94 - 98	04	Good
8.	102 - 106	04	Good
<u>9.</u>	168 - 181	13	Good
10.	218 - 224	06	Good
11.	226 - 230	04	Good
12.	236 - 240	15	Good
<u>13.</u>	243 - 253	10	Good
14.	265 - 269	04	Good
<u>15.</u>	282 - 286	04	Moderate

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.
2. Zone Sl. No. 9 is highly intermixed with thin bands of Kankar.
3. Quality of Ground water is deteriorating Marginal to Saline in between 112.0 to 158.0 m bgl.
4. Predominated Clay is present in depth range 158.0 to 164.0 m bgl.

Verified as per logs provided

Note - SrNo 13 243-250 (7m) SrNo 15 is also highly kankar intermixed.

For Geo Instruments & Technic's
S. Shukla
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