

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:21-22:LS: 73
Dated 14-12-2021


GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Elo
Block: Payagpur
District: Bahraich
State: Uttar Pradesh
Date of logging: 12-12-2021
Drilling depth: 228.0 m bgl
Logging Depth: 225.0 m bgl
Rm – 11.0 Ω m Rw– 22.0 Ω m


Borehole Drilled by: M/s PNC Infratech.

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N-16")**, **Long Normal (N-64")** and **Natural Gamma Ray**, geophysical logs following informations/granular zones have been deciphered:

| Sl. No. | Depth Range (mbgl) | Thickness (meter) | Inferred lithology | Remark (Quality of Aquifer Water) |
|---------|--------------------|-------------------|---|-----------------------------------|
| 1. | 5 – 15 | 10 | Surface Soil | |
| 2. | 15 – 25 | 10 | Fine Sand intermixed with Kankar | Good |
| 3. | 25 – 40 | 15 | Clay intermixed with Kankar | |
| 4. | 40 – 52 | 12 | Sand intermixed with Kankar | Good |
| 5. | 52 – 70 | 18 | Fine to Very Fine Sand intermixed with Kankar | Good |
| 6. | 70 – 88 | 18 | Very Fine Sand intermixed with Kankar | Good |
| 7. | 88 – 96 | 08 | Sand intermixed with Kankar | Good |
| 8. | 96 – 119 | 23 | Very Fine Sand intermixed with Kankar | Good |
| 9. | 119 – 130 | 11 | Fine to Medium Sand intermixed with Kankar | Good |
| 10. | 130 – 135 | 05 | Fine Sand intermixed with Kankar | Good |
| 11. | 135 – 141 | 06 | Clay | |


R. K. Bajpai
Hydrogeologist & Ground
Water Consultant
Retd. From UP Irrigation Deptt
Lucknow

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