

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: 991
Dated: 22-12-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Mubarakpur Jugnu**
Block: **Barachawar**
District: **Ghazipur**
State: **Uttar Pradesh**
Date of Logging: **21-12-2022**
Drilling depth: **334.0 m bgl**
Logging Depth: **325.0 m bgl**
Rm - ~~17.0 Ωm~~ Rw - ~~15.0 Ωm~~

Borehole Drilled by: M/s VSA Infra project Ltd. 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.	17 - 20	03	Good
2.	33 - 39	06	Good
3.	50 - 55	05	Good to Moderate
(4)	100 - 103	03	Good to Moderate
5.	115 - 118	03	Good to Moderate
6.	121 - 127	06	Good
(7)	140 - 144	04	Good
(8)	175 - 185	10	Good
9.	195 - 201	06	Good
10.	211 - 215	04	Good
11.	226 - 233	07	Good
12.	237 - 240	03	Good
13.	271 - 278	07	Good
(14)	306 - 310	04	Good

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.
2. Zone Sl. No. 8 is highly intermixed with Kankar.
3. Zone Sl. No. 11 is highly intermixed with thin bands of Kankar.
4. Quality of Ground Water is deteriorating marginal to Saline in between 63.0 to 86.0 & 135.0 to 165.0 m bgl.
5. Predominated Clay is present in depth range 86 to 95 & 165 to 171 m bgl.
6. Please ensure premonsoon water level before lower the well assembly.

Verified as per logs provided
G. Sh
24/12/22

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)