

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 395

Dated: 04-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Chheunga
 Block: Bihar
 District: Pratapgarh
 State: Uttar Pradesh
 Date of Logging: 01-02-2023
 Logging Depth: 219.0m bgl
 Rm -17.0 Ω m Rw -15.0 Ω m

Borehole Drilled by: M/s Power Mech Project Ltd., Pratapgarh, U.P.

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 (mbgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	40 - 49	09	Good
2.	91 - 100	09	Good
3.	103 - 109	06	Good
4.	113 - 116	03	Good
5.	127 - 134	07	Good
6.	146 - 155	09	Good
7.	158 - 164	06	Good
8.	172 - 175	03	Good
9.	182 - 195	13	Good
10.	198 - 201	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 between 56.0 to 80.0 m bgl.
 3. Zones Sl. No. 2, 5 & 6 are highly intermixed with fine bands of kankar.
 4. Zone Sl. No. 4 is fine sand intermixed with kankar.
 5. Zone Sl. No. 9 is highly intermixed with very fine bands of kankar.
 6. Clay is present in depth range 80.0 to 89.0m bgl.

For Geo Instruments & Technic's

Verified as per logs provided
 Note - Sr No 6
 150-155 (5m)

9/2/23
 04/02/23
 (S. Shukla)