

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: 23-24:LS: 88

Dated: 28-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Purmai Sultanpur
Block: Babaganj
District: Pratapgarh
State: Uttar Pradesh
Date of logging: 27-04-2023
Logging depth: 290.0 m bgl
Rm - 8.5 Ω m R_w - 9.8 Ω m

Borewell 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:

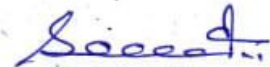
Sl. No.	Depth Range (m bgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1.	16 - 26	10	Good
2.	188 - 192	04	Good
3.	200 - 204	04	Good
4.	212 - 216	04	Moderate to Marginal

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
3. Zone Sl. No. 2 is highly intermixed with fine bands of kankar.
4. Quality of ground water is deteriorating Marginal to Saline in between 42.0 to 148.0 & below 224.0 m bgl to till depth logged.
5. Predominated Clay and kankar intercalation is present in depth range 174.0 to 178.0 m bgl.
6. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per logs provided

G.S.
20/04/23

For Geo Instruments & Technic's


(S. Shukla)