

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: 185
Dated: 28-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Birsinghpur**
Block: **Rampur Sangramgarh**
District: **Pratapgarh**
State: **Uttar Pradesh**
Logging depth: **276.0 m bgl**
Date of logging: **26-05-2023**
Rm - ~~18.0~~ Ω m Rw - ~~14.0~~ Ω m

Borewell Drilled By: M/s K.P.T.L., 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.	32 - 39	07	Good
2.	43 - 47	04	Good
3.	52 - 56	04	Good
4.	66 - 70 69	04 03	Good
5.	73 - 80	07	Good
6.	215 - 219	04	Moderate
7.	224 - 228	04	Moderate
8.	241 - 245	04	Moderate to Marginal
9.	265 - 269	04	Moderate to Marginal
10.	271 - 275	04	Moderate to Marginal

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zones Sl. No. 6 & 7 are highly intermixed with fine bands of kankar.
3. Quality of ground water is deteriorating marginal to saline in between 102.0 to 210.0 m bgl.
4. Predominated Clay is present in depth range 210.0 to 214.0 m bgl.
5. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

Verified as per logs provided
G. Sen
29/05/23