

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP:23-24:LS: 130
Dated: 11-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Sarai Janmati
Block: Lalganj
District: Pratapgarh
State: Uttar Pradesh
Logging depth: 269.0 m bgl
Date of logging: 10-05-2023
Rm - 15.0 Ω m Rw - 14.0 Ω m

Borewell Drilled By: M/s Kalpataru Power Transmission Ltd, Pratapgarh,
Uttar Pradesh.

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.	18 - 22	04	Good
2.	24 - 28	04	Good
3.	30 - 36	06	Good
4.	40 - 44	04	Good
5.	50 - 53	03	Moderate
6.	152 - 156	04	Moderate
7.	192 - 202	10	Good
8.	216 - 223	07	Good
9.	231 - 234	03	Good

Note: 1. Fine bands of kankar are intermixed with almost all the zones.

2. Zone Sl. No. 7 & 9 are highly intermixed with fine bands of kankar.

3. Quality of ground water is deteriorating marginal to Saline in between 62.0 to 136.0, 169.0 to 189.0 & below 242.0 m bgl to till depth logged.

4. Predominated Clay is present in depth range 136.0 to 143.0 & 189.0 to 191.0 m bgl.

5. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per
logs provided
For Geo Instruments & Technic's
S. Shukla
(S. Shukla)

G.Ch
12/05/23