

# 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:23-24:LS:K- 518

Dated: 17-12-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Karamahi**  
Block: **Ghughuli**  
District: **Maharajganj**  
State: **Uttar Pradesh**  
Date of Logging: **17-12-2023**  
Drilling Depth: **165.0 m bgl**  
Logging Depth: **150.0 m bgl**  
Rm - **15.0  $\Omega$ m**      Rw - **17.0  $\Omega$ m**

Latitude: **27.0667570**      Longitude: **83.6260400**


Borehole Drilled by: M/s Ritwik Koya (JV), Maharajganj, 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 (meter)	Remark (Quality of Aquifer Water)
1.	15 - 22	07	Good
2.	26 - 30	04	Good
3.	35 - 42	07	Good
4.	46 - 55	09	Good
5.	58 - 62	04	Good
6.	66 - 73	07	Good
7.	77 - 81	04	Good
8.	94 - 101	07	Good
9.	107 - 111	04	Good
10.	124 - 128	04	Good
11.	137 - 143	06	Good

Note: 1. Fine bands of kankar are intermixed with almost all the zones.  
2. Zone S. No. 4, 5 & 9 are highly intermixed with fine bands of kankar.

For Geo Instruments & Technic's

  
(S. Shukla)