

# 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: PJM:23-24:LS: 404

Dated: 10-05-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Harmandil Khurd  
Block: Pharenda  
District: Maharajganj  
State: Uttar Pradesh  
Drilling Depth: 220.0 m bgl  
Logging Depth: 187.0 m bgl  
Date of logging: 10-05-2023  
Rm - 27.0  $\Omega$ m Rw - 29.0  $\Omega$ m

Borehole Drilled by: M/s Rithwik- Koya-JV, Maharajganj, 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.	18 - 22	04	Good
2.	24 - 28	04	Good
3.	31 - 35	04	Good
4.	39 - 45	06	Good
5.	55 - 58	03	Good
<del>6.</del>	100 - 113	13	Good
<del>7.</del>	124 - 133	09	Good
<del>8.</del>	150 - 157	07	Good
<del>9.</del>	168 - 175	07	Good

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

~~2.~~ Zone Sl. No.6 is highly intermixed with fine bands of kankar.

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

GSh  
11/05/23