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# 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: 107

Dated: 12-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Sonora  
 Block: Khudebhar  
 District: Sultanpur  
 State: Uttar Pradesh  
 Date of Logging: 11-04-2023  
 Drilling Depth: 310.0 m bgl  
 Logging Depth: 297.8 m bgl  
 Rm - 14.0  $\Omega$ m Rw - 13.0  $\Omega$ m

Borehole Drilled by: M/s Vikram Engineering Pvt. Ltd. Sultanpur, 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 (meter)	Remark (Quality of Aquifer Water)
1.	16 - 20	04	Good
2.	26 - 36	10	Good
3.	42 - 49	07	Good
4.	59 - 63	04	Good
5.	84 - 90	06	Good
6.	101 - 108	07	Good
7.	121 - 131	10	Good
8.	133 - 136	03	Good

- Note:
1. Fine bands of kankar are intermixed with almost all the zones.
  2. Quality of Ground water is Deteriorating Marginal to saline below 140.0 m bgl till depth logged.
  3. 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)

*Geo  
12/04/23*