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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: 26

Dated: 08-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Rangardh Raela  
Block: Lalganj  
District: Pratapgarh  
State: Uttar Pradesh  
Date of Logging: 07-03-2023  
Logging Depth: 304.0 m bgl  
Rm - 9.0 Qm Rw - 6.0 Qm

Borewell Drilled By: M/s Power Mac Project Limited, 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.	20 - 24	04	Good
2.	26 - 33	07	Good
3.	43 - 47	04	Moderate
4.	53 - 60	07	Moderate
5.	64 - 68	04	Moderate to Marginal
6.	206 - 213	07	Moderate

- Note: 1. Fine bands of Kankar are intermixed with almost all the zones.  
2. Quality of ground water is deteriorating Marginal to Saline in between 70.0 to 203.0 & below 218.0 m bgl to till depth logged.  
3. Predominated Clay is present in depth range 203.0 to 207.0 m bgl.  
4. 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)

GSh  
08/04/23