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GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:22-23:LS: 256

Dated: 11-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Maddupur
Block: Kalakankar
District: Pratapgarh
State: Uttar Pradesh
Date of Logging: 10-02-2023
Logging Depth: 278.0 m bgl
Rm -15.0 Ω m Rw -17.0 Ω m

Borehole Drilled by: M/s Power Mech Project Ltd. Pratapgarh, Uttar Pradesh, India.

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.	18 - 22	04	Good
2.	34 - 38	04	Good
3.	46 - 52	06	Moderate
4.	58 - 62	04	Moderate
5.	140 - 144	04	Moderate
6.	148 - 152	04	Moderate
7.	162 - 166	04	Moderate
8.	184 - 190	06	Good
9.	202 - 209	07	Good
10.	214 - 218	04	Good
11.	227 - 233	06	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 76.0 to 134.0 and below 240.0 m bgl to till depth logged.

3. Predominated Clay is present in depth range 134.0 to 138.0 m bgl.

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

Verified as per logs provided.

GSh
13/02/23

For Geo Instruments & Technic's

(S. Shukla)