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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:22-23:LS: 283

Dated: 21-02-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Latifpur  
Block: Phoolpur  
District: Prayagraj  
State: Uttar Pradesh  
Drilling Depth: 170.0 m bgl  
Logging Depth: 165.0 m bgl  
Date of logging: 20-02-2023  
Rm - 6.6  $\Omega$ m Rw - 6.0  $\Omega$ m

Borehole Drilled by: L & T Limited, Prayagraj, 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	16 - 22	06	Good
2	59 - 68	09	Moderate
3	80 - 87	07	Good to Moderate
4	90 - 94	04	Good to Moderate
5	140 - 144	04	Good
6	146 - 156	10	Good
7	160 - 164	04	Good

- Note: 1. Zone Sl. No.3 & 4 are highly intermixed with fine bands of kankar.  
2. Quality of ground water is deteriorating Marginal to Saline in between 24.0 to 50.0 & 98.0 to 130.0 m bgl.  
3. Predominated Clay and Clay, kankar intercalation is present in depth range 50.0 to 58.0 & 130.0 to 140.0 m bgl respectively.  
4. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per  
logs provided.

G.Sh

22/02/23

For Geo Instruments & Technic's

(S. Shukla)