

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:22-23:LS:TK- 198  
Dated: 11-01-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Galgali  
Block: Bihar  
District: Pratapgarh  
State: Uttar Pradesh  
Date of Logging: 10-01-2023  
Logging Depth: 256.0 m bgl  
Rm -21.0  $\Omega$ m Rw -16.0  $\Omega$ m

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

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)
<del>1.</del>	22 - 29	07	Good
<del>2.</del>	32 - 36	04	Good
<del>3.</del>	107 - 114	07	Moderate to Marginal
<del>4.</del>	128 - 134	06	Good to Moderate
<del>5.</del>	138 - 144	06	Good to Moderate
6.	149 - 153	04	Good
<del>7.</del>	167 - 173	06	Good
<del>8.</del>	184 - 188	04	Good
<del>9.</del>	190 - 194	04	Good
<del>10.</del>	203 - 207	04	Good
<del>11.</del>	212 - 216	04	Good

Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.

2. Zone Sl. No. 5 & 9 are fine sand in nature.

3. Zone Sl. No. 6 is highly intermixed with Kankar.

4. Quality of Ground water is deteriorating Marginal to Saline in between 54.0 to 95.0 m bgl.

5. Predominated Clay is present in depth range 95.0 to 104.0 m bgl.

6. Clay and Kankar intercalation is present in depth range 120.0 to 128.0 and 154.0 to 165.0 m bgl.

Verified as per  
logs provided

For Geo Instruments & Technic's

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(S. Shukla)

G. Sh  
12/01/23