

# 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:1K- 792

Dated: 27-03-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Parmeshwarpur  
Block: Palhni  
District: Azamgarh  
State: Uttar Pradesh  
Date of Logging: 25-03-2023  
Drilling Depth: 170.0 m bgl  
Logging Depth: 165.0 m bgl  
Rm - 14.0  $\Omega$ m Rw - 15.0  $\Omega$ m

Borehole Drilled by: M/s Sudhakara Infra Tech, Azamgarh, U. P. 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 - 20	04	Good
<del>2.</del>	<del>28 - 38</del>	<del>10</del>	<del>Good</del>
<del>3.</del>	<del>42 - 46</del>	<del>04</del>	<del>Good</del>
<del>4.</del>	<del>62 - 69</del>	<del>07</del>	<del>Good</del>
<del>5.</del>	<del>92 - 99</del>	<del>07</del>	<del>Good</del>
<del>6.</del>	<del>102 - 109</del>	<del>07</del>	<del>Good</del>
<del>7.</del>	<del>114 - 121</del>	<del>07</del>	<del>Good</del>

Note: 1. Fine sand of Kankar are intermixed with almost all the zones.

2. Zone Sl. No.2 & 5 are highly intermixed with fine bands of kankar.

3. Quality of ground water is deteriorating Marginal to Saline below 127.0 m bgl to till depth logged.

*Verified as per logs provided.*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

*G.S.H.*  
*27/03/23*