

# 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: 651  
Dated: 19-10-2022

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Rajmanpur**  
Block: **Mariyahu**  
District: **Jaunpur**  
State: **Uttar Pradesh**  
Date of Logging: **18-10-2022**  
Drilling Depth: **330.0 m bgl**  
Logging Depth: **309.0 m bgl**  
Rm **-17.0  $\Omega$ m** Rw **-38.0  $\Omega$ m**

Borehole Drilled by: M/s **Welspun Enterprises, Jaunpur, 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>	21 - 24	03	Moderate
<del>2.</del>	26 - 29	03	Moderate
<del>3.</del>	197 - 200	03	Good
<del>4.</del>	203 - 210	07	Good
<del>5.</del>	215 - 222	07	Good
<del>6.</del>	228 - 232	04	Good
<del>7.</del>	235 - 240	05	Good
<del>8.</del>	248 - 258	10	Good
<del>9.</del>	265 - 269	04	Good
<del>10.</del>	275 - 278	03	Good
<del>11.</del>	290 - 294	04	Good
<del>12.</del>	305 - 308	03	Moderate

- Note: ~~1.~~ Fine bands of Kankar are intermixed almost all the zones.  
~~2.~~ Zone Sl. No. 9 to 12 are highly intermixed with very thin bands of Kankar.  
~~3.~~ Zone Sl. No. 9, to 12 are fine to medium sand in nature.  
~~4.~~ Quality of Ground Water is Deteriorating Marginal to Saline in between 35.0 - 117 m bgl.  
~~6.~~ Predominated clay is present in depth range 117.0 - 124.0 & 187.0-190.0 m bgl.

*Verified as per logs provided.*

For Geo Instruments & Technic's

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