

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Instrumentation and Exploration)

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

Ref:GIT:UP: PJM:22-23:LS: **835**

Dated: 03-12-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Belhari**
Block: **Saidpur**
District: **Ghazipur**
State: **Uttar Pradesh**
Date of logging: **02-12-2022**
Drilling depth: **330.0 m bgl**
Logging Depth: **313.0 m bgl**
Rm - **9.00 M** Rw - **8.00 M**

Borehole Drilled by: M/s VSAIPPL-SMC JV, Gzazipur, 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 (meters)	Remarks (Quality of aquifer water)
1.	21 - 25	04	Moderate
2.	42 - 46	04	Moderate
3.	145 - 149	04	Moderate
4.	200 - 207	07	Good
5.	212 - 219	07	Good
6.	221 - 224	03	Good
7.	244 - 248	04	Good to Moderate
8.	262 - 265	03	Good to Moderate
9.	268 - 274	06	Good to Moderate

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

2. Quality of Ground Water is deteriorating Marginal to Saline from 85.0 to 100.0 m bgl.

3. Clay and Kankar intercalation is present in depth range 100.0 to 115.0 m bgl.

Verified as per logs provided.

*G.Sh
09/12/22*

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)