

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Instrumentation and Exploration)

Authorised Sales & Service Dealer : Upron Borehole logging system, UPRON INDIA LTD., LUCKNOW.

Ref:GIT:UP: PJM:22-23:LS: 256
 Dated: 03-06-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Gulal Sarai**
 Block: **Jangipur**
 District: **Gazipur**
 State: **Uttar Pradesh**
 Date of Logging: **02-06-2022**
 Drilling Depth: **330.0 m bgl**
 Logging Depth: **330.0 m bgl**
 Rm - ~~11.0 Ωm~~ Rw - ~~9.8 Ωm~~

Borehole Drilled by: **VSAIPPL- SMC JV, Ghazipur, 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)
1.	30 - 36	06	Good
2.	42 - 45	03	Good
3.	50 - 57	07	Good
4.	128 - 135	07	Moderate
5.	137 - 140	03	Moderate
6.	225 - 230	05	Moderate
7.	265 - 270	05	Moderate
8.	275 - 280	05	Good to Moderate
9.	285 - 291	06	Good to Moderate
⑩	301 - 305	04	Good to Moderate
11.	318 - 322	04	Good to Moderate
12.	327 - 330	03	Good to Moderate

- Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.
 2. Zones Sl. No. 6 to 12 are Fine Sand and intermixed with Kankar.
 3. Quality of Ground Water is deteriorating marginal to Saline in between 180.0 to 215.0 m bgl.
 4. Cement sealing is recommended in depth range 216.0 to 220 m bgl.

*Verified as per logs provided.
 Note: Sr No 6 to 12 are mixture of finer sediments with kankar.*

frsh
 GEOPHYSICIST
 04/06/2022
 U.P. GEOPHYSICAL SURVEY

For Geo Instruments & Technic's

S. Shukla
 (S. Shukla)