

# 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: 450

Dated: 03-08-2022

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Ralpur Waghpur  
Block: Mardah  
District: Ghazipur  
State: Uttar Pradesh  
Date of Logging: 03-08-2022  
Drilling depth: 340.0 m bgl  
Logging Depth: 315.0 m bgl  
Rm - 16.0  $\Omega$ m / Rw - 20.0  $\Omega$ m

Borehole Drilled by: VSAIPPL-SMC JV, Ghazipur, 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.	25 - 32	07	Good
2.	55 - 62	07	Good
3.	70 - 75	05	Good
4.	80 - 85	05	Good
5.	230 - 235	05	Good
6.	237 - 244	07	Good
7.	284 - 290	06	Good
8.	306 - 313	07	Good

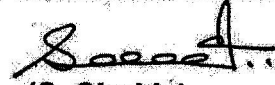
Note: 1. Fine bands of Kankar are intermixed with almost all the zone.

2. Quality of Ground Water is deteriorating Marginal to Saline in between 110.0 to 210.0 m bgl.

3. Good Clays in depth range 211 - 215 and 217 - 220 m bgl.

Verified as per logs provided.  
Note - Sr No 4 - 01-05 (4m), may consider.

For Geo Instruments & Technic's

  
(S. Shukla)

GISE  
04/05/22  
ASSISTANT HYDROGEOLOGIST  
CIRCLE OFFICE (EM)  
NAL NIGAM (RURAL)  
PAJ