

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: 22-23:LS: 344

Dated: 22-03-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Rampur Bela TW Ho I  
Block: Patti  
District: Pratapgarh  
State: Uttar Pradesh  
Date of Logging: 22-03-2023  
Logging Depth: 302.0 m bgl  
Rm - 20.0 Qm Rw - 18.0 Qm

Borehole Drilled by: M/s Power Mech Project Ltd., Pratapgarh, 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 (meter)	Remark (Quality of Aquifer Water)
1.	21 - 25	04	Good
2.	28 - 32	04	Good
3.	40 - 50	10	Good
4.	53 - 59	06	Good
5.	126 - 130	04	Moderate
6.	132 - 135	03	Moderate

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

2. Zone Sl. No. 2 is fine sand in Nature.

3. Zones Sl. No. 2 & 5 are highly intermixed with fine bands of Kankar.

4. Quality of ground water is deteriorating Marginal to Saline in between 64.0 to 114.0 & below 144.0 mgl to till depth logged.

5. Predominated Clay is present in depth range 114.0 to 118.0 m bgl.

6. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per logs provided

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

GSh  
22/03/23

Ø300 = 11 Ho