

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: 23-24:LS: 14

Dated: 04-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Puranpur Khas**
Block: **Laxmanpur**
District: **Pratapgarh**
State: **Uttar Pradesh**
Date of Logging: **04-04-2023**
Drilling Depth **212.0 m bgl**
Rm - **12.0 Cm** Rw - **14.0 Cm**

Borewell Drilled By: **M/s Kalpataru Power Transmission Limited, Pratapgarh, U.P.**

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.	18 - 22	04	Good
2.	24 - 28	04	Good
3.	37 - 44	07	Good
4.	50 - 54	04	Moderate
5.	96 - 103	07	Good
6.	106 - 110	04	Good
7.	131 - 138	07	Good

Note: 1. Fine band of kankar are intermixed with almost all zones.

2. Zone Sl. No. 6 is highly intermixed with fine bands of kankar.

3. Quality of ground water is deteriorating Marginal to Saline in between 64.0 to 92.0 & below 148.0 m bgl to till depth logged.

4. Predominated Clay is present in depth range 92.0 to 96.0 m bgl.

5. 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)

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05/04/23