

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: 360

Dated: 29-06-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Somraha**
Block: **Rehra Bazar**
District: **Balrampur**
State: **Uttar Pradesh**
Date of logging: **29-06-2022**
Drilling depth: **175.0 m bgl**
Logging Depth: **165.0 m bgl**
Rm - **19.0 Ωm** Rw - **23.0 Ωm**

Borehole Drilled by: **M/s Larsen & Toubro Limited, Balrampur, 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 (meters)	Remarks (Quality of aquifer water)
1.	22 - 31	09	Good
2.	39 - 49	10	Good
3.	53 - 60	07	Good
4.	63 - 67	04	Good
5.	70 - 77	07	Good
6.	90 - 98	08	Good
7.	110 - 118	08	Good
8.	124 - 130	06	Good
9.	135 - 140	05	Good
10.	150 - 160	10	Good

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

Verified as per logs provided.

G.S.P.
ASSISTANT HYDROGEOLOGIST
27/06/2022
U.P. JAL NIGAM (RURAL)
PRAYAGRAJ

For Geo Instruments & Technic's

S. Shukla
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