

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

Dated: 29-03-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Mandeyrai**
Block: **Ramkola**
District: **Kushinagar**
State: **Uttar Pradesh**
Date of Logging: **28-03-2023**
Drilling Depth: **172.0 m bgl**
Logging Depth: **161.0 m bgl**
Rm **-21.0 Ω m** Rw **-27.0 Ω m**

Borehole Drilled by: M/s **NCC Kushinagar, 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.	27 – 31	04	Good
3.	34 – 41	07	Good
4.	59 – 65	06	Good
5.	85 – 89	04	Good
6.	111 – 117	06	Good
7.	124 – 130	06	Good
8.	145 – 154	09	Good

Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No.3 is highly intermixed with fine band of kankar.

For Geo Instruments & Technic's

(S. Shukla)