

Ref : MTL/WL/24-25/727

Date : 12.12.2024

## **REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE**

A deep borehole was drilled by working agency M/s. PMPL - BRCCPL (JV) as a part of their scope of work of development of Tubewell under Jal Jeevan Mission Project of SWSM, MTL conducted a Geophysical Continuous logging in the above borehole.

Village Name	Itwa
Block	Mangraura
District	Pratapgrah, U.P.
Logged Depth	257 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	12.12.2024

The following aquifer zones have been deciphered with the help of logging machine.

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	15 – 20	5	Good
2	30 – 33	3	Good
3	51 – 54	3	Good to Moderate
4	64 – 68	4	Good to Moderate
5	216 – 223	7	Good to Moderate

Rw: - 14.2  $\Omega$ m Rm: - 12.5  $\Omega$ m

Note- All zones are intermixed with fine bands of kankar. Quality of the formation water is moderate to saline from 74 Mbgl to 204 Mbgl.

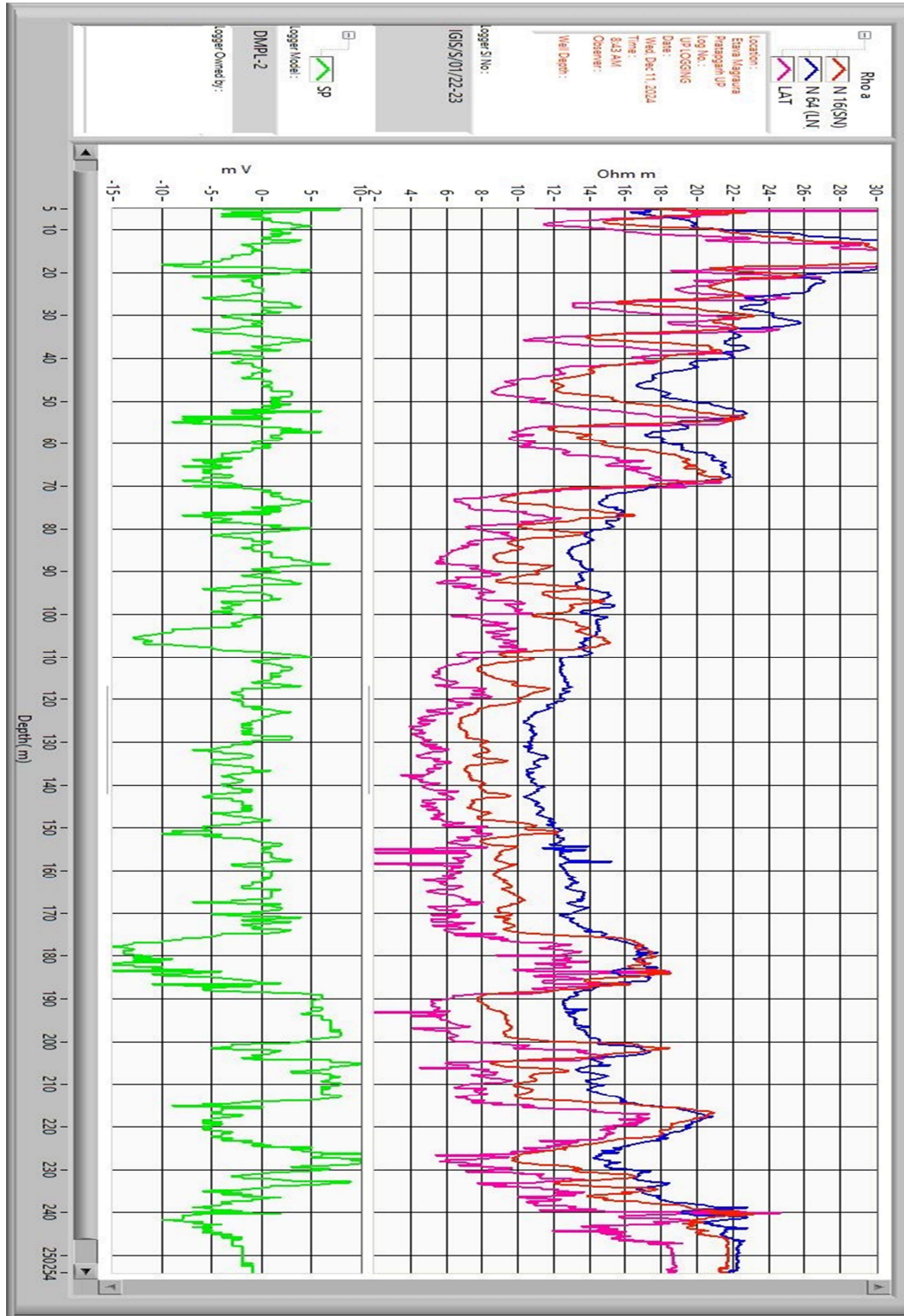


Anand Kumar  
(Hydrogeologist)

For Geo-Technical Consultant,



Authorised Signatory



# Itwa (Mangraura)

BOR LPM  $\rightarrow$  600  
Proposed Q  $\rightarrow$  500

