

Ref : MTL/WL/23-24/500

Date : 29.09.2023

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

A deep borehole was drilled by working agency M/s Welspun India limited 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	GUWAWAN
Block	GAURIGANJ
District	AMETHI, U.P.
Drilling Depth	400 MBGL
Logged Depth	380.7 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	28.09.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	13 – 16	3	Moderate
2	23– 30	7	Good
3	40 – 43	3	Good
4	46 – 49	3	Good
5	59 – 62	3	Moderate
6	312 – 321	9	Good to Moderate
7	329 – 339	10	Good to Moderate
8	347 – 350	3	Good
9	352 – 359	7	Good
10	363 – 366	3	Moderate
11	369 – 373	4	Moderate

Rw – 13.0 Ohm mtr and Rm – 16.7 Ohm mtr

Note: The formation water is marginal to saline between 63 MBGL to 310 MBGL and below 373 MBGL no proper granular zone encountered till log depth.

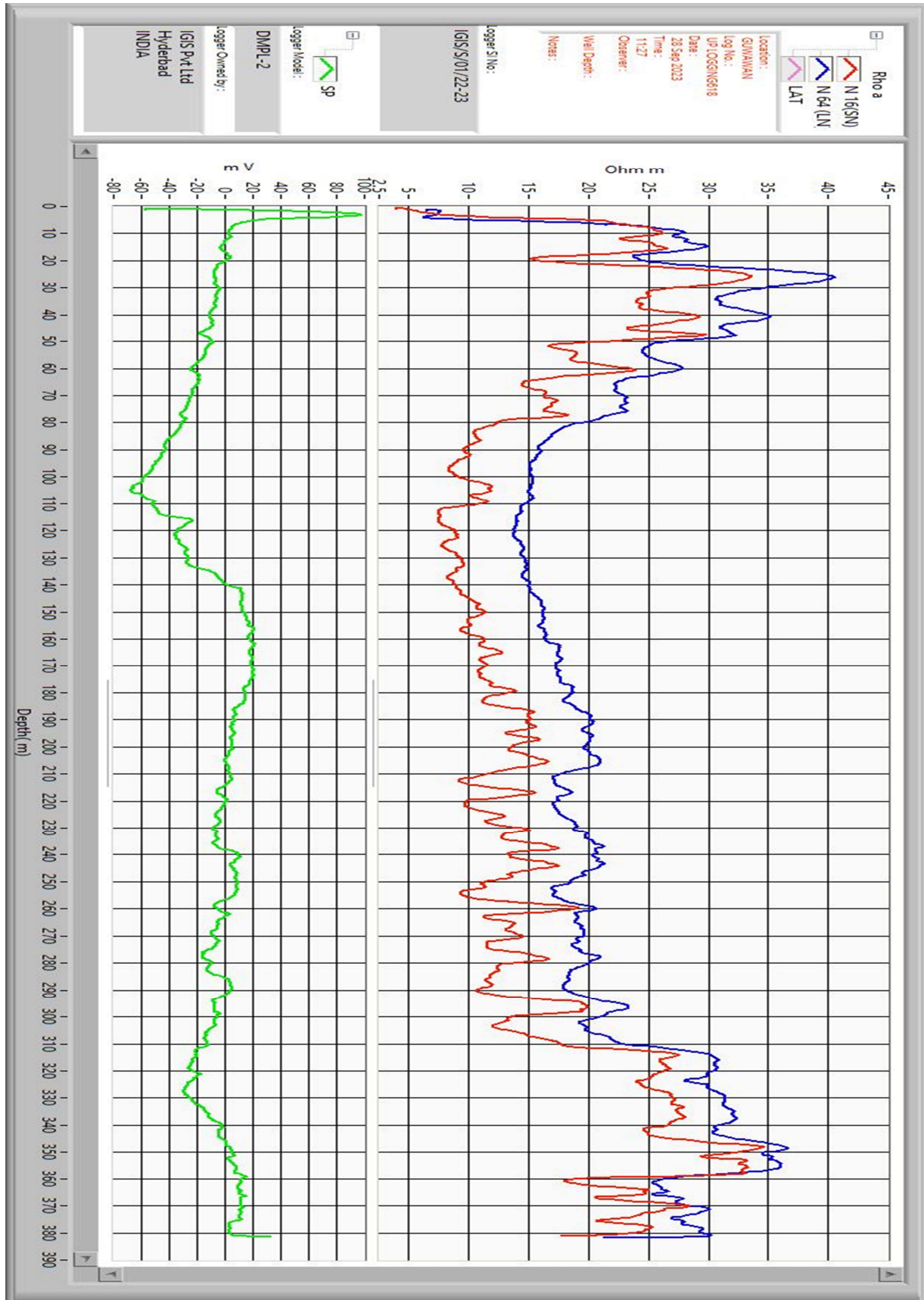


Anand Kumar  
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For Geo-Technical Consultant,



Authorised Signatory





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