

Ref : MTL/WL/23-24/312

Date : 03.07.2023

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

A deep borehole was drilled by working agency M/s. 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	Usrapur
Block	Shahgarh
District	Amethi, U.P.
Logged Depth	285.2 Mtr BGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	02.07.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	26 – 29	3	Good
2	38 – 51	13	Good
3	59 – 67	8	Good
4	87 – 91	4	Good
5	100 – 104	4	Good
6	111 – 114	3	Moderate
7	135 – 139	4	Moderate to marginal
8	155 – 158	3	Moderate to marginal

Rw – 21.5 Ohm mtr and Rm – 22.0 Ohm mtr

Note: Below 170 MBGL the quality of the formation water is marginal to saline till log depth.

For Geo-Technical Consultant,



Authorised Signatory



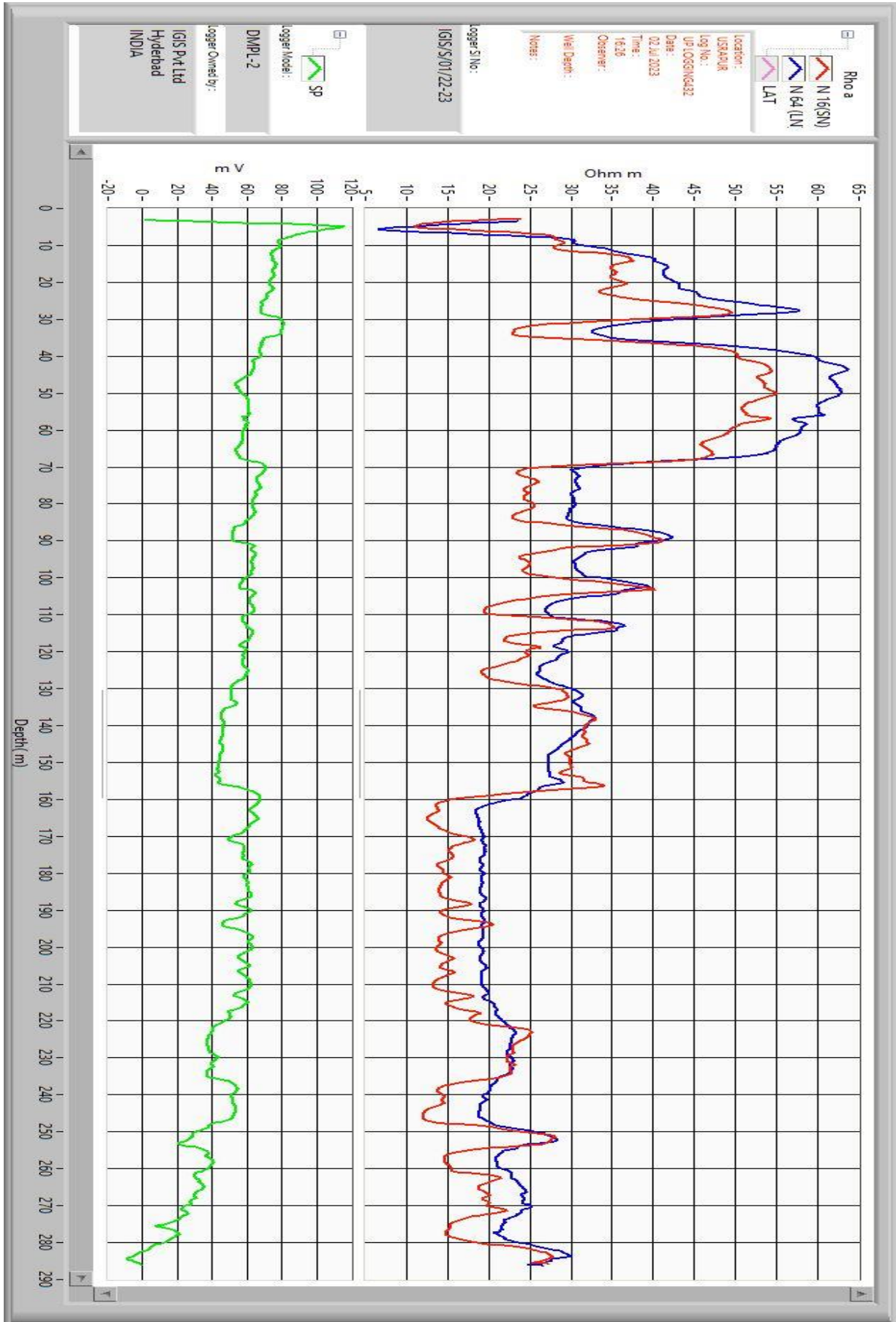
GEO - TECHNICAL  
CONSULTANT

# GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

Plot no. 61 Vikaskung, Near Tower, Dibiyapur – 206244, District – Auraiya, Uttar Pradesh (India)

E-mail: [machtechtools55@gmail.com](mailto:machtechtools55@gmail.com) , Mobile Number :- 9265018387





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