

Ref : MTL/WL/23-24/704

Date 28.03.2024

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	NAKDAIYAPUR
Block	BAHADURPUR
District	AMETHI
Logging Depth	281.7 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	15.03.2024

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	22 – 31	9	Good
2	44 – 49	5	Moderate
3	245 – 250	5	Moderate

Rw – 15.1 Ohm mtr and Rm –16.3 Ohm mtr

Note – 77 MBGL to 238 MBGL the formation water quality is marginal to saline and below 255 MBGL to log depth the formation water quality is also deteriorating.



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