

Ref : MTL/WL/22-23/149

Date 01.03.2023

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. VTL- GAJA (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	NIHAL GARH
Block	JAGDISHPUR
District	AMETHI, U.P.
Logged Depth	157.3 Mtr BGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	28.02.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	16 – 26	10	Good
2	30 – 33	3	Good
3	45 – 62	17	Good
4	65 – 69	4	Good
5	90 – 97	7	Good to Moderate
6	101 – 105	4	Good to Moderate

Rw – 19.3 Ohm mtr and Rm – 17.5 Ohm mtr

Note: Below 128 MBGL the quality of the formation water is marginal to saline till log depth.

– Logging performed as per SWSM guidelines for Geo-Technical Consultant,
– Groundwater quality interpreted by firm as per their logger calibration



Authorised Signatory

G.Sh
02/03/23