



Ref : MTL/WL/23-24/302

Date : 28.06.2023

## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. 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	Basayakpur
Block	Gauriganj
District	Amethi, U.P.
Logged Depth	340.2 Mtr BGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	27.06.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
<del>1</del>	18 – 28	10	Good
<del>2</del>	70 – 80	10	Good
<del>3</del>	123 – 133	10	Good

Rw ~~→~~ 21.3 Ohm mtr and Rm ~~→~~ 20.2 Ohm mtr

Note: Below 150 MBGL the quality of the formation water is marginal to saline till log depth.

- Logging performed as per SWSM guidelines.  
- Groundwater quality interpreted by firm as per their calibration | logger  
G.S.H  
20/06/23

For Geo-Technical Consultant,

Authorised Signatory