

Ref : MTL/WL/23-24/237

Date : 06.06.2023

## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. M/s. GAYATRI- RAMKY (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	Gajipur
Block	Bhadar
District	Amethi, U.P.
Logged Depth	170 Mtr BGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	05.06.2023

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>	28 – 32	4	Good
<del>2</del>	51 – 55	4	Good
<del>3</del>	65 – 70	5	Moderate
<del>4</del>	121 – 124	3	Good
<del>5</del>	126 – 135	9	Good
<del>6</del>	139 – 142	3	Good

Rw – 13.1 Ohm mtr and Rm – 11.0 Ohm mtr

Note: The formation of water is deteriorating between 80 - 110 MGBL.

- Logging performed as per SWSM guidelines  
 - Ground water quality interpreted by firm as per their logger calibration  
 GSh  
 07/06/23.

For Geo-Technical Consultant,



Authorised Signatory