

Ref : MTL/WL/23-24/162

Date : 18.05.2023

## 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	Nimi
Block	Jamo
District	Amethi, U.P.
Logged Depth	158.8 Mtr BGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	17.05.2023

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 – 33	15	Good
<del>2</del>	48 – 53	5	Good
<del>3</del>	64 – 70	6	Good
<del>4</del>	80 – 84	4	Good
<del>5</del>	93 – 97	4	Good
<del>6</del>	102 – 106	4	Good

R<sub>W</sub> – 14.8 Ohm mtr and R<sub>ρ</sub> – 17.0 Ohm mtr

Note: Sr no 1 is High Kankar intermixed and Below 112 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 logger calibration

G.Sh  
18/05/23

For Geo-Technical Consultant,



Authorised Signatory