

Ref : MTL/WL/23-24/589

Date 08.11.2023

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency 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	LUGARI
Block	GAURIGANJ
District	AMETHI
Drilling Depth	400 MBGL
Logging Depth	368.3 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	07.11.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	14 – 22	8	Good
2	26 – 29	3	Good
3	31 – 37	6	Good
5	68 – 73	5	Moderate
8	104 – 109	5	Moderate
10	221 – 226	4	Moderate
11	236 – 246	10	Moderate
12	282 – 295	13	Good to Moderate
13	306 – 310	4	Moderate
14	311 – 318	7	Good to Moderate

Rw – 23.5 Ohm mtr and Rm – 25.1 Ohm mtr

Note – All zones are intermixed with final bands of Kankar. The formation water is marginal to saline in between 110 MBGL to 203 MBGL.



Anand Kumar
(Hydrogeologist)

For Geo-Technical Consultant,



Authorised Signatory



