

Ref : MTL/WL/23-24/624

Date 16.12.2023

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	PUREFAIZAL
Block	GAURIGANJ
District	AMETHI
Logging Depth	282.4 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	15.12.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	15 – 21	6	Good
2	31 – 40	9	Good
3	54 – 60	6	Moderate
4	65 – 68	3	Moderate
5	105 – 110	5	Moderate
6	224 – 227	3	Moderate

Rw – 18.4 Ohm mtr and Rm – 23.7 Ohm mtr

Note – The formation of water is marginal to saline in between 70 MBGL to 101 MBGL, 120 MBGL to 220 MBGL and below 229 MBGL to till log depth.



Anand Kumar
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For Geo-Technical Consultant,



Authorised Signatory



