

Ref : MTL/WL/23-24/578

Date : 04.11.2023

## 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	SARWAN
Block	BHADURPUR
District	AMETHI, U.P.
Drilling depth	400 MBGL
Logged Depth	384.1 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	03.11.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	61 – 64	3	Moderate
2	75 – 81	6	Good
3	84 – 87	3	Good
4	204 – 209	5	Good to Moderate
5	261 – 266	5	Good to Moderate
6	300 – 304	4	Good
7	307 – 310	3	Good
8	312 – 320	8	Good
9	336 – 340	4	Moderate
10	343 – 346	3	Moderate

Rw – 9.1 Ohm mtr and Rm – 12.5 Ohm mtr

Note: All above zone are intermixed with fine bands of kankar. The formation water is marginal to saline in between 96 – 185 MBGL, 211 – 259 MBGL and below 363 MBGL to till logged depth.



Anand Kumar  
(Hydrogeologist)

For Geo-Technical Consultant,



Authorised Signatory



