



Atulya: Microwave Steriliser

Why in News

Recently, the Defence Institute of Advanced Technology has developed a microwave steriliser named as 'Atulya' to disintegrate [Covid-19](#) virus.

- The Covid-19 virus gets disintegrated by **differential heating** of Atulya in the range of 56° to 60° Celsius temperatures.

NOTE:

- Defence Institute of Advanced Technology, Pune is a deemed university supported by [Defence Research and Development Organisation \(DRDO\)](#).

Key Points //



- Atulya is a cost effective solution, which can be operated in **portable or fixed installations**.
- It has been tested for human/operator safety and found to be safe.
- The time of sterilisation can be varied from 30 seconds to one minute depending upon size and shape of various objects.
 - **Sterilisation** refers to any process that eliminates, removes, kills, or deactivates all forms of life (in particular referring to microorganisms such as fungi, bacteria, viruses, spores, etc.) and other biological agents.
- Approximate **weight** of the system is **3 kilogrammes** and **it can be used for non-metallic objects only**.

[Source:PIB](#)

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