



## DRDO Develops Ventilators

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### Why in News

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Recently, the **Defence Research and Development Organisation** (DRDO) has developed a ventilator and plans to produce 5,000 of them per month to treat **COVID-19** patients.

### Key Points

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- DRDO had developed a ventilator along with the **Society for Biomedical Technology** (SBMT) and now the technology has been transferred to an industry in Mysuru.
  - The industry is producing the secondary version of a ventilator initially developed by DRDO.
  - Currently, it has a capacity to manufacture 5,000 ventilators per month and this could be scaled up to 10,000 per month.
- **Other contributions by DRDO:**
  - DRDO laboratories have **manufactured 20,000 litres of sanitiser** and supplied to various organisations like Delhi police.
  - It has **developed N-99 and 3-layered masks** and **supplied** 10,000 masks to Delhi police personnel.
  - It is **tying up with some private companies** to make **personal protection equipment** such as body suits and also ventilators.
  - It is working on **providing ready-to-eat meals** for the government and health workers through the Defence Food Research Laboratory, Mysore which already supplies them to the armed forces.
  - The **Ordnance Factory Board** (OFB) has also increased the production of sanitisers, masks and bodysuits.

### Defence Research and Development Organisation

- It works under the **administrative control** of the **Ministry of Defence**.

- It's **objective** is to establish a world class science and technology base for India and provide Indian Defence Services decisive edge by equipping them with internationally competitive systems and solutions.
- It was **established in 1958** after **combining** Technical Development Establishment (TDEs) of the Indian Army and the Directorate of Technical Development & Production (DTDP) with the Defence Science Organisation (DSO).
- **Mission:**
  - Design, develop and lead to production state-of-the-art sensors, weapon systems, platforms and allied equipment for Indian Defence Services.
  - Provide technological solutions to the services to optimise combat effectiveness and to promote well-being of the troops.
  - Develop infrastructure and committed quality manpower and build strong indigenous technology base.

### **Society for Biomedical Technology**

- It is an **inter-ministerial initiative of the Government of India** established to **promote healthcare** by providing indigenous solutions in the field of medical equipment and devices.
- It was established under the **Department of Defence Research and Development** (DRDO) in collaboration with the Ministry of Science and Technology, Ministry of Social Justice and Empowerment and Ministry of Health & Family Welfare.

### **Ordnance Factory Board**

- The Indian Ordnance Factories, that includes a family of 41 Ordnance Factories under the aegis of its corporate headquarters Ordnance Factory Board, **Kolkata**, possess years of experience in defence production.
- Indian Ordnance Factories is the **oldest and largest industrial setup** which functions under the **Department of Defence Production of the Ministry of Defence**.
- The ordnance factories form an **integrated base for indigenous production of defence hardware and equipment**, with the **primary objective of self reliance** in equipping the armed forces with state of the art battlefield equipment.

**Source: TH**