



## Remote Monitor for Covid-19 Cases

---

 [drishtiias.com/printpdf/remote-monitor-for-covid-19-cases](https://drishtiias.com/printpdf/remote-monitor-for-covid-19-cases)

### Why in News

---

Recently, **Bharat Electronics Ltd.** and the **All India Institute of Medical Sciences (AIIMS) Rishikesh**, have jointly developed a **remote patient health monitoring system**.

### Key Points

---

- **Use:** The remote patient health monitoring system **can be installed at homes or hospitals premises** to reduce the risk of exposure to healthcare workers to **Covid-19** while attending to persons undergoing isolation.
- **Features:** The device has **non-invasive sensors** and it **measures temperature, pulse rate, saturated oxygen level, and respiration rate**.  
It **shows the severity of the patient's condition** in different colour codes.
- **Benefit:** The system is expected to **reduce the increasing demand of Personal Protective Equipment (PPE)** and logistics.  
The system will also help to **generate hot spots using the system's data analytics software** so that authorities can contain these zones.
- **Functioning:** A **mobile app and Web browser** have been developed. People who show symptoms of infection get enrolled with AIIMS - Rishikesh.
  - The hospital will assess their complaints and if found necessary, will provide these individuals with a kit to help monitor their health parameters regularly.
  - Patient health parameters, along with patient location, are uploaded on a regular basis to a Centralised Command & Control Centre (CCC) on cloud using either the patient's mobile phone or integral GSM SIM card.

### Bharat Electronics Limited (BEL)

- BEL is an **Indian state-owned aerospace and defence company**. It is a Public Sector Undertaking (PSU) under the Ministry of Defence of India.
- It primarily **manufactures advanced electronic products** for the Indian Armed Forces.

- It has been granted **Navratna** status.
- BEL also develops **Electronic Voting Machines (EVMs)** and **Voter-verified Paper Audit Trail (VVPATs)**.

**Source: TH**