India's First Earthquake Early Warning Mobile App

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Why in News

On August 04, 2021, **Uttarakhand Chief Minister Pushkar Singh Dhami** launched the **'Uttarakhand Earthquake Alert'** app to provide early warning of earthquakes in the state.

Key Points

- This is the **country's first** early warning mobile application, which can **alert users before an earthquake**. With this, Uttarakhand has become the **first state in the country** to launch an earthquake alert app.
- This app has been **developed by Uttarakhand State Disaster Management Authority and Indian Institute of Technology, Roorkee**.
- Some of the **main features** of this app are as follows-
    - This application uses Earthquake Early Warning (EEW), a real-time earthquake information system, which can detect the onset of an earthquake.
    - This app will give **early warning of earthquakes 30-40 seconds before** the earthquake, for which about 64 sensors have been installed in the entire state.
    - It is capable of warning of an **earthquake of magnitude 5 or more on the Richter scale**.
    - The app can also help provide the **location of people trapped** inside a structure after an earthquake.
    - It disseminates information about the occurrence of an earthquake as well as the likely time and intensity at the location of the earthquake to prevent any loss of life.
    - It is compatible with both Android and iOS platforms and is available in two versions.
- Uttarakhand is an earthquake prone state, so this app can make a significant contribution to the authorities to carry out rescue operations during earthquakes.