Cell Broadcast System (CBS)

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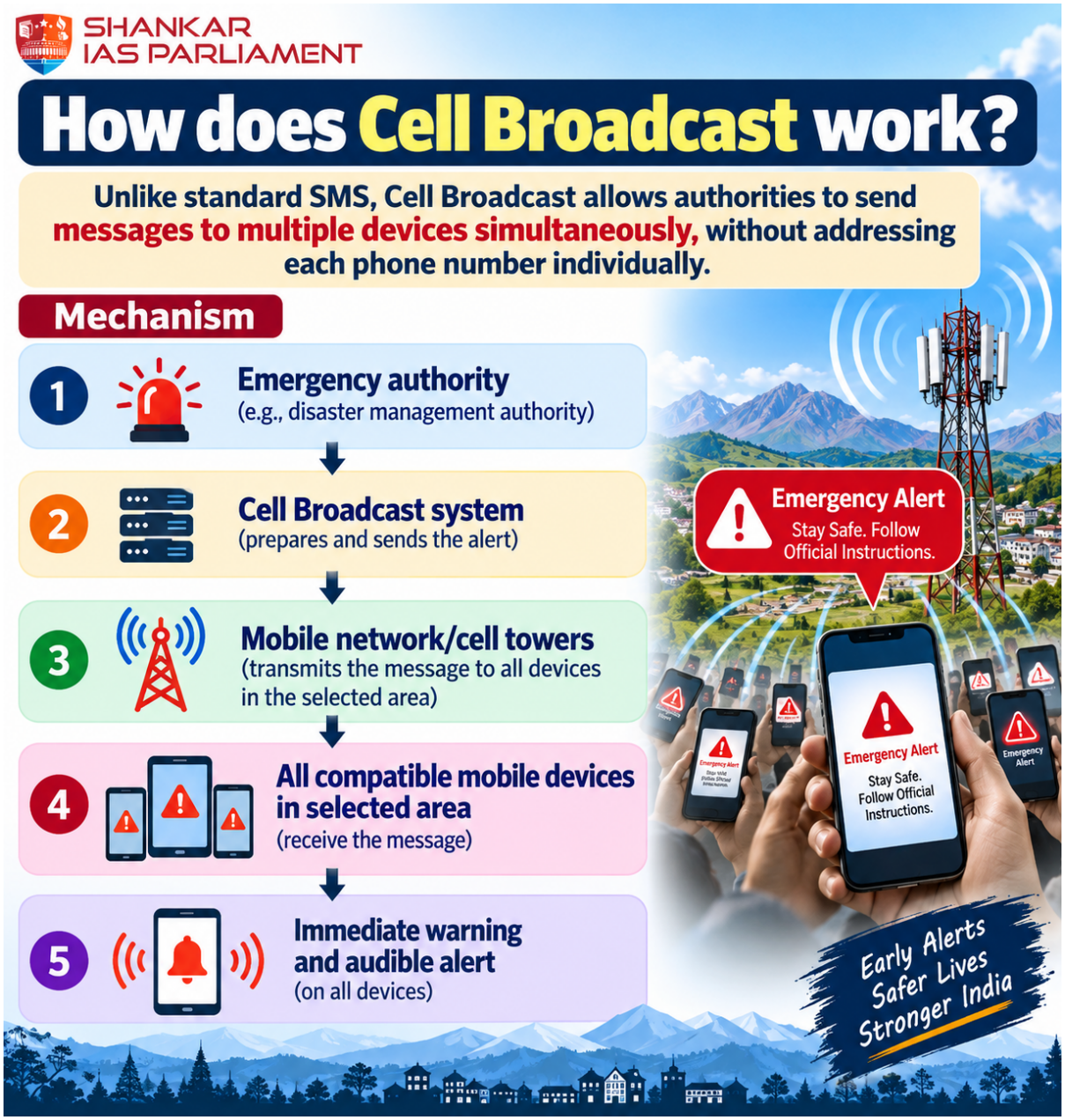
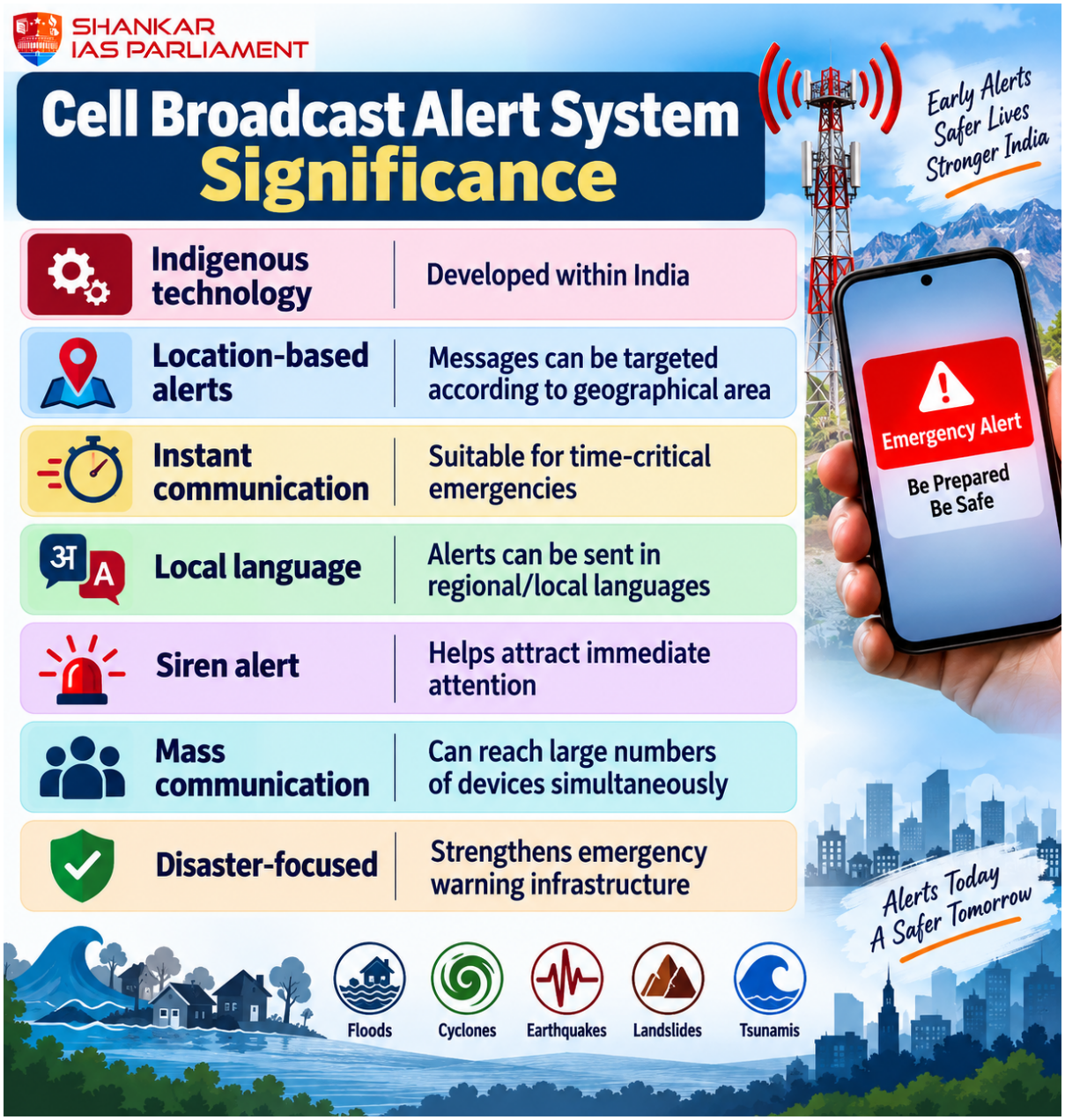
Why in News?

The Government of India tested its indigenous Cell Broadcast System (CBS) using siren alerts and clarified that this was only a system test.

- **CBS –** It is a mobile communication technology that allows authorities to send **one-to-many emergency messages** to mobile phones within a particular geographical area.
- **Developed by – Department of Telecommunications (DoT)** in collaboration with the **National Disaster Management Authority (NDMA)**.
- **Example scenario –** When a disaster occurs, authorities identify the affected area, the mobile network broadcasts an alert, and mobile phones in that area receive the warning.
- It can be used for the following types of emergencies:
    - Floods
    - Cyclones
    - Earthquakes
    - Tsunamis
    - Forest fires
    - Industrial or chemical emergencies
    - Other public emergencies



- **Significance**
  - **Early Warning –** Alerts are delivered to people before a hazard occurs.
  - **Faster Communication –** It provides rapid mass alerts, even when other channels are overloaded.
  - **Location-Specific –** Authorities send alerts to specific geographic areas.
  - **Language Accessibility –** Future alerts will be available in local languages.
  - **Life Protection –** Early warnings support evacuation, safer movement, and compliance with instructions.



Reference

[News on Air | Cell Broadcast System (CBS)]

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