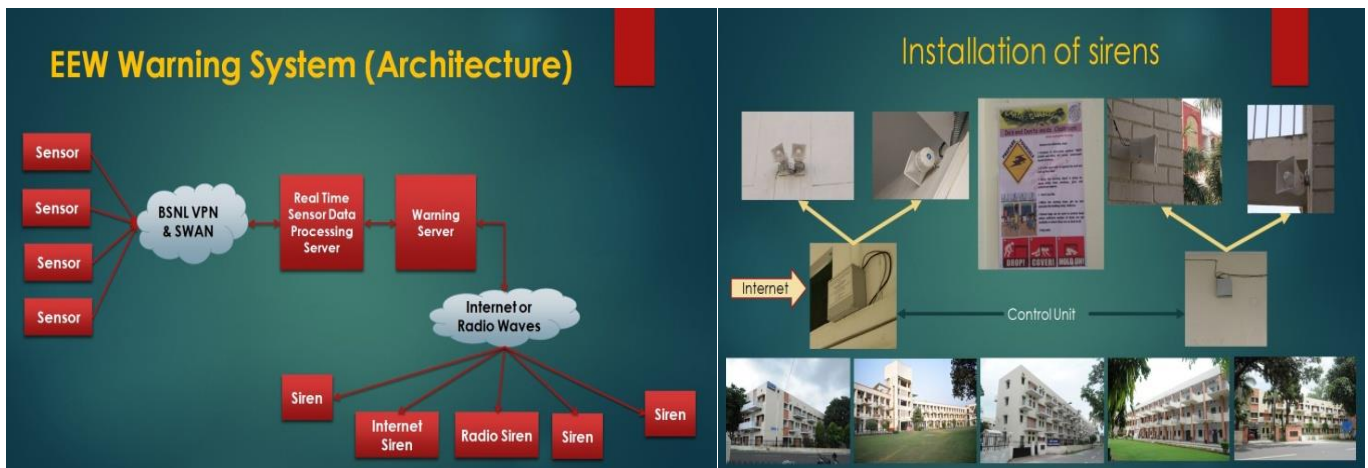


EARTHQUAKE EARLY WARNING SYSTEM

Uttarakhand State Disaster Management Authority (USDMA) has signed MoU with IIT Roorkee for installation of 100 sensors and maintenance of the 84 sensor installed previously for generation of earthquake early warning . In addition to this, sirens for warning are being installed at SEOC, DEOCs and 100 locations in district Dehradun and Nainital.



- This system is being processed for issuing warning for magnitude 6 and above earthquakes.
- Sirens connected to the server will scream after getting required signals from sensors and alert people in case of earthquakes so they get enough time to reach safety.
- Sensors installed at various location to detect primary waves(or initial tremors).
- Primary waves travel much faster and reach the target much ahead of the damaging Seismic waves giving a lead time.
- An on-site seismic monitor can quickly detect such waves and transmit information to processing centres.
- Processing centres, in turn can issue an earthquake warning in real-time by sounding alarms.
- Lead time of a few seconds to a minute can help take remedial actions like vacating buildings and shutting down critical operations.