



Survey of Flood Affected Areas

Why in News?

Recently, Uttarakhand Chief Minister directed the officials to **immediately identify "sensitive" villages and relocate the affected people to safer places** in view of [heavy rains and landslides](#) in parts of the state.

Key Points

- According to the officials, [Cloudbursts](#) in **Pauri Garhwal's Toli, Bodh Kedar, and Tehri Garhwa's Jakhana and Tingarh** caused **massive destruction**.
- Action is being taken to **streamline the electricity and drinking water arrangements in the disaster affected area** and **Rs 57,500** have also been given to [livestock](#) owners for **animal loss**.

Cloudbursts

- **About:**
 - Cloudbursts are **short-duration, intense rainfall events over a small area**.
 - It is a weather phenomenon with unexpected **precipitation exceeding 100 mm/h over a geographical region of approximately 20-30 square km**.
 - In the Indian Subcontinent, it **generally occurs when a monsoon cloud drifts northwards**, from the **Bay of Bengal** or [the Arabian Sea](#) across the plains then on to the Himalaya that sometimes brings 75 millimeters of rain per hour.
- **Occurrence:**
 - The **relative humidity and cloud cover is at the maximum level with low temperature and slow winds** because of which a high amount of clouds may get condensed at a very rapid rate and result in a cloudburst.
 - **As temperatures increase, the atmosphere can hold more and more moisture and this moisture comes down as a short very intense rainfall for a short duration** probably half an hour or one hour resulting in flash floods in the mountainous areas and urban floods in the cities.