

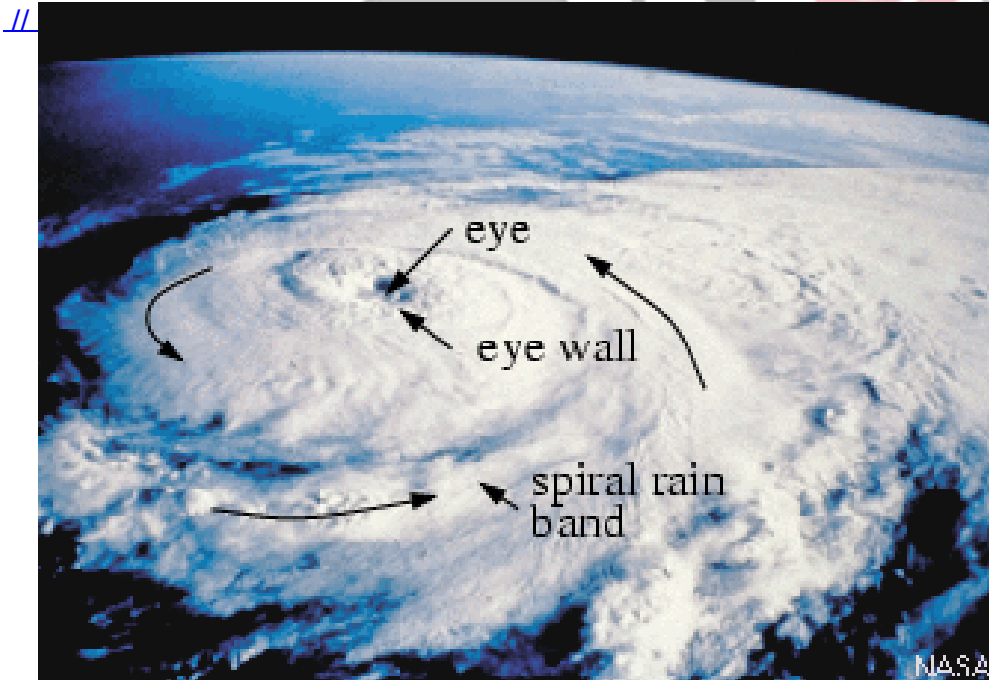


## Landfall of a Cyclone

[Source: IE](#)

Recently, [Cyclone Dana](#) made landfall in Odisha.

- Landfall is the event of a **tropical cyclone moving from water onto land**, specifically when the storm's center (**eye of the cyclone**) crosses the coast.
  - It differs from a direct hit **where the core of high winds (or eye-wall) comes onshore** but the center of the storm may remain offshore.
- The Eye of the Cyclone is a **central region of clear skies**, warm temperatures, and low atmospheric pressure.
- **Other Components of the Cyclone:**
  - **Eyewall:** It is the most dangerous part of a tropical cyclone, with the strongest winds, heaviest rainfall, and towering convective clouds rising up to 15,000 meters (49,000 feet).
  - **Rainbands:** Curved bands of clouds and thunderstorms trail away from the eye wall in a spiral form, **capable of producing heavy bursts of rain**, strong winds, and even tornadoes.



Read More: [Cyclone Dana](#)

