



# Cyclone Gulab

## Why in News

Recently, **Cyclone Gulab** made landfall on India's east coast and weakened into a depression.

- Another cyclone-**Shaheen**-may form over the Arabian Sea from the remnant of cyclone Gulab.

## Key Points

### ▪ Named By:

- Gulab was a **tropical cyclone** and was named by **Pakistan**. It affected the coasts of south Odisha north Andhra Pradesh.
  - According to **WMO (World Meteorological Organization)** guidelines, countries in every region are supposed to give names for cyclones.
  - The **North Indian Ocean Region covers** tropical cyclones formed over **Bay of Bengal and Arabian Sea**.
  - The **13 members**, which come under the region, are Bangladesh, India, Maldives, Myanmar, Oman, Pakistan, Sri Lanka, Thailand, Iran, Qatar, Saudi Arabia, the UAE and Yemen.
  - **Indian Meteorological Department (IMD)**, one of the six **Regional Specialised Meteorological Centres (RSMC)** in the world, is mandated to issue advisories and name tropical cyclones in the north Indian Ocean Region.
    - It is an agency of the **Ministry of Earth Sciences**.

### ▪ Occurrence:

- India has a **bi-annual cyclone season** that occurs between March to May and October to December. But **on rare occasions, cyclones do occur in June and September** months.
  - Cyclone Gulab became the **third cyclone of the 21<sup>st</sup> century** to make landfall over the **east coast in September**, after tropical cyclone **Daye in 2018** and **Pyarr in 2005**.
- Typically, tropical cyclones in the North Indian Ocean region (Bay of Bengal and Arabian Sea) develop during the **pre-monsoon** (April to June) and **post-monsoon** (October to December) periods.
- May-June and October-November are known to **produce cyclones of severe intensity** that affect the Indian coasts.

### ▪ Classification:

- The IMD classifies cyclones on the **basis of the Maximum Sustained Surface Wind Speed (MSW)** they generate.
- The cyclones are classified as **severe** (MSW of 48-63 knots), **very severe** (MSW of 64-89 knots), **extremely severe** (MSW of 90-119 knots) and **super cyclonic storm** (MSW of 120 knots or more). One knot is equal to 1.8 kmph (kilometers per hour).
- Cyclone Gulab Falls into the **severe category** with maximum speed of 95 km/hr.

- Cyclones that Hit India in 2020-21: [Tauktae](#), [Yaas](#), [Nisarga](#), [Amphan](#).

**Source: DTE**

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