



Western Disturbance in Rajasthan

Why in News?

The [India Meteorological Department \(IMD\)](#) has forecasted that a [Western Disturbance](#) will become active over Rajasthan on **21st January, 2025**.

Key Points

- This weather system is expected to bring light rainfall to the **north-western** and **north-eastern regions** of the state.
 - Consequently, the IMD has issued a warning for these areas.
- **Western Disturbances:**
 - Western disturbances are storms that **originate in the Caspian or Mediterranean Sea**, and bring non-monsoonal rainfall to northwest India, according to the IMD.
 - They are labelled as an [extra-tropical storm](#) originating in the Mediterranean, is an area of low pressure that brings sudden showers, snow and fog in northwest India.
 - **The meaning of WD lies in its name.**
 - The disturbance travels from the “western” to the eastern direction.
 - These travel eastwards on high-altitude [westerly jet streams](#) - massive ribbons of fast winds traversing the earth from west to east.
 - **Disturbance means an area of “disturbed” or reduced air pressure.**
 - Equilibrium exists in nature due to which the air in a region tries to normalise its pressure.



