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Climate of India Part II

North-East Monsoon

- ❖ The monsoon which travels from high pressure land area to low pressure area of sea.
- ❖ Occurs in the months of October-November.
- ❖ It is also known as retreating monsoon and 'Thulavarsham' in Kerala.
- ❖ These monsoon winds flow in high canopy (വീതാനം).
- ❖ The rains that get during this monsoon are along with huge thunders.
- ❖ The state that receives most of north-east monsoon - Tamil Nadu
- ❖ This monsoon causes the big share of rain in eastern coast especially in Coromandel coast.
- ❖ The amount of rain fall that occurs in Kerala during the north - east monsoon - 50 cm
- ❖ North-East monsoon is the reason for the tropical cyclones that forms in Bay of Bengal.
- ❖ Kerala is known as the gateway to monsoon.

Local winds in India

1. Loo

- ❖ The dry-hot winds that blow in the Northern great plains of India during the months of May-June.
- ❖ These winds occur mainly in Rajasthan and the western parts of Uttar Pradesh.
- ❖ These winds blow with temperature of 45°C-55°C.
- ❖ Loo is the hottest local wind that blows in India.
- ❖ This local wind is the reason for the death of people in Northern India due to heat.

2. Norwester

- ❖ The hot winds which are the reason for the heavy thunderous rains in West Bengal, Bihar, Assam and Punjab.
- ❖ In West Bengal, norwester is known as Kalbaisakhi.
- ❖ The local wind/rain that causes the heavy rain with thunder in West Bengal - Kalbaisakhi.

- ❖ The local wind that is known as the ‘disaster in Vaisakha month’ - Kalbaisakhi.
- ❖ The month that is known as ‘Vaisakham’ in shaka calendar - April.

3. **Kali Andhi**

- ❖ The strong dust storms that blows in Northern parts of India prior to monsoon.

Western disturbance

- ❖ An extratropical storm originating in the Mediterranean region that brings sudden winter rain to the north-western parts of the Indian subcontinent.
- ❖ Occurs during cold months of January.
- ❖ The main cause of western disturbances in India is the jet streams, the strong upper air currents formed in troposphere.
- ❖ These western disturbances are highly beneficial to winter crops (Rabi) cultivation in India.

Mango Shower and Cherry Blossom

- ❖ The pre-monsoon rains with thunderstorms that occurs along the coasts of Kerala and Karnataka and in the interior of south India which are average up to 25 cm of rainfall.
- ❖ In Karnataka these rains are known as ‘cherry blossom’ and in Kerala they are known as ‘mango showers’.
- ❖ Cherry blossom helps the coffee cultivation in Karnataka.
- ❖ These rains help in the early ripening of mangoes and are hence often referred to as “Mango showers.” in Kerala and other places in south India.
- ❖ Mango showers are also known as April rains or Summer Showers.