

# *Climate of Maharashtra*



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# *What is Climate...?*

*Climate is the **long-term average of weather**, typically averaged over a period of **30 years**. Some of the **meteorological variables** that are commonly measured are **temperature, humidity, atmospheric pressure, wind, and precipitation**.*



# *Characteristics of Climate*

- *Maharashtra has monsoon type of climate.*
- *Maharashtra climate has been influenced by geographical features.*
- *October heat is experienced on an average in the state.*
- *There are three distinct seasons experienced in the state.*
- *Summers are very hot and winters cold in the state.*
- *Coastal parts have higher humidity while the humidity decreases in the interior.*
- *The Sahyadri forms a climatic barrier and gives rise to variations within the state.*

- *Rainfall in Maharashtra comes from the Arabian sea branch of the SW monsoon. It is concentrated in the months from June to September.*
- *Temperature is high throughout the state. In coastal low land of Konkan moderating influence of water bodies in the neighbourhood lowers the range of temperature. Here temperature is not very high in summer and not very low in winter. Thus, the climate is equable.*
- *Climate of a region depends upon its latitudinal extent, topography and the nature of the surrounding areas. Since the state of Maharashtra lies within the tropics, rainfall is more important consideration than temperature.*

## ***Factors Affecting the Climate of Maharashtra***

- ***Latitude:*** Maharashtra lies between Equator to Tropic of Cancer. Most of the part of the state specially Northern Part of the State is parallel to the Tropic of Cancer. So it experiences high temperature through the year.
- ***The Sahyadri range:*** As the land is of uneven elevation its affects the Climate. Different levels of the land shows different climatic Condition. For instance, Konkan has dry and humid climate and on the eastern part of Sahyadri has dry and hot climate. Sahyadri restricts the winds from the Arebian sea. The narrow strip of the west coast, i.e. Konkan receives more rain fall in contrast with the leaside of the ghats.
- ***The Monsoon Wind***

*Maharashtra has typical monsoon climate, with **hot, rainy and cold weather seasons**.*

*Tropical conditions prevail all over the state, and even the hill stations are not that cold.*

*Dew, frost, hail can also be happened sometimes according to the seasonal weather.*

***Summer:** March, April and May are the **hottest months**. During April and May **thunderstorms** are common all over the state. Temperature varies between **22°C- 39°C** during this season.*

***Rainy:** Rainfall starts normally in the **first week of June**. July is the **wettest month** in Maharashtra, while August too gets substantial rain. Monsoon starts its **retreat** with the coming of **September** from the state.*

***Winter:** Cool dry spell, with clear skies gentle breeze and pleasant weather prevails from **November to February**. But the eastern part of Maharashtra sometimes receives some rainfall. Temperature varies between **12°C - 34°C** during this season.*