



# 24.04.2026 NEWS

## SUPER EL NINO

- The El Nino Southern Oscillation (ENSO) is a change related to the surface temperature of the Pacific Ocean along the equator.
- In this, there are three aspects: El Nino, La Nina, and the Neutral season. This keeps changing once every two to seven years.
- If the ocean surface temperature is higher than average, El Nino occurs, and if it is lower, La Nina occurs.
- The period when both of these are absent is called the Neutral state. This oscillation is capable of impacting the climate across the entire world.
- Specifically, this will alter India's monsoon and average temperature. At the end of September last year, the cold season of La Nina began.
- Because of this, the winter was severe in many states of India. In some areas, cold waves also occurred.
- » Increasing Intensity
- The surface temperature of the Pacific Ocean has been gradually increasing since the month of February. If this trend continues, it will soon reach the threshold for El Nino.
- The United States' National Oceanic and Atmospheric Administration (NOAA) has stated that this El Nino will arrive between June and August, and there is a 62% probability for it.
- The El Nino Southern Oscillation is a part of a natural cycle. However, it is noteworthy that no seasonal event occurring after the intensification of climate change is normal.
- Specifically, El Nino, which is a part of this oscillation, has intensified compared to the 1960s. Generally, El Nino forms when the ocean surface temperature increases.
- Since the heat absorbed by the ocean has increased due to climate change, the intensity of El Nino has also increased.
- » Super El Nino
- If the surface temperature of the Pacific Ocean increases by 1.5 degrees to 2.5 degrees Celsius above average, it is called a Super El Nino.
- It has been predicted that there is a possibility for the upcoming El Nino to be like that. There is a conflict among scientists regarding exactly how much the probability of this is.

- A research report published in the science journal 'Nature' says that the number of Super El Nino events has been increasing during the period from 1982 to 2025, and this has been caused by climate change.
- There was a Super El Nino in the years 2015-2016 as well. During that period, India's agricultural production was severely affected.
- In some areas, rain and floods were worse. Many of India's coral reefs bleached extensively (coral bleaching). In a few places, severe drought occurred.
- Severe water scarcity occurred in states like Maharashtra, Karnataka, and Andhra Pradesh.
- It cannot be said that all of these will happen again exactly as they were during the upcoming El Nino period.
- The impact of El Nino will depend on various factors such as the atmospheric temperature, how El Nino interacts with a climate feature called the Indian Ocean Dipole (IOD), the month El Nino forms, and another climate feature called the Madden-Julian Oscillation (MJO).
- All of these are intertwined like a delicate web. If any of these change, the impact that El Nino exerts on India's climate will vary.

» What Needs to be Done?

- How to cope with the upcoming intense El Nino? This is the important question currently before us.
- Generally, as far as India's disaster management department is concerned, El Nino is viewed only as a period of drought.
- However, we must also focus on intense rain caused by El Nino, floods, loss of soil micronutrients caused by drought, wildfire incidents, the delay of the monsoon, and tropical cyclones.
- The Reserve Bank of India has recently announced that inflation increases in India during the El Nino period.
- Social issues resulting from this should also be considered during disaster preparedness.
- Although we will get data and predictions regarding El Niño from all over the world, research related to India's maritime areas and weather must be accelerated.
- A comprehensive management plan must be formulated using all of these.
- In the event that El Nino arrives earlier than the predicted period, we must also note that it will occur during India's summer.
- Since the summer during the El Nino period will be very intense, we must also be ready with preliminary arrangements for it.
- Compared to other climate problems, we will have sufficient time to achieve preparedness for an intense El Nino.
- By holding firmly onto this advantageous factor and planning, we can certainly reduce the impact of El Nino.