

Madhya Pradesh recognizes heatwaves as natural disasters

The state government has officially notified heatwaves as a local disaster under the Madhya Pradesh



Disaster Management Act of 2005.

Key Point

- ❖ The new regulation is set to take effect in the summer of 2025.
- ❖ As a result, individuals affected by heatwaves will be eligible for the same

IMD Criteria for Defining Heatwaves:

Criteria	Details
Based on	❖ Maximum temperature:
Physiography of the Region	<ul style="list-style-type: none"> ❖ In Plains at least 40°C or more. ❖ in Hilly Regions at least 30°C or more. ❖ in Coastal Areas 37°C or more.
Based on Departure from Normal Maximum Temperature	<ul style="list-style-type: none"> ❖ When normal maximum temperature of a station is less than or equal to 40°C: <ul style="list-style-type: none"> ➤ Heat Wave: Departure from normal is 5°C to 6°C ➤ Severe Heat Wave: Departure from normal is above 7°C. ❖ When normal maximum temperature of a station is more than 40°C: <ul style="list-style-type: none"> ➤ Heat Wave: Departure from normal is 4°C to 5°C

financial assistance that is currently available for those impacted by floods, earthquakes, and lightning strikes.

- ❖ The maximum number of deaths due to heatstroke, till June 19 2024, were reported from Uttar Pradesh (37), Bihar (17), Rajasthan (16), and Odisha (13).

Heat Waves

- ❖ A Heat Wave is a period of abnormally high temperatures that occurs during the summer season in India.

	<ul style="list-style-type: none"> ➤ Severe Heat Wave: Departure from normal is 6°C or more
Based on Actual Maximum Temperature	<ul style="list-style-type: none"> ❖ Heat Wave: When actual maximum temperature is above 45°C (Severe Heat Wave at above 47°C)
Declaration Criteria	<ul style="list-style-type: none"> ❖ The above conditions must be met in at least two stations within a Meteorological sub-division. ❖ The conditions must persist for at least two consecutive days.

EX KAZIND 2024" Exercise

India -Kazakhstan joint military exercise KAZIND - 2024 commenced at the mountainous Surya Foreign Training node in Auli, Uttarakhand



Key Point

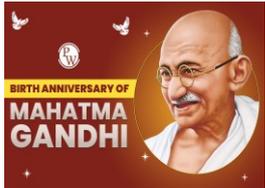
- ❖ The last edition of the annual bilateral military exercise was held in Otar, Kazakhstan, from 30 October to 11 November 2023.
- ❖ The joint exercise between India and Kazakhstan, initially known as 'Exercise PRABAL DOSTYK,' was first held in 2016.
- ❖ After its second edition, the exercise was elevated to a company-level exercise and renamed 'Exercise KAZIND.'
- ❖ It is an annual military exercise held alternately in both countries.

India -Kazakhstan Ties

- ❖ India established diplomatic ties with Kazakhstan on 22 February 1992, after it declared independence from the Soviet Union on 16 December 1991.
- ❖ In July 2015, India and Kazakhstan signed the 'Defence and Military Technical Cooperation.
- ❖ The agreement provides for a framework for bilateral cooperation in the defence sector, which includes military-technical cooperation, military education and training, and joint exercises.

155th Birth Anniversary of Mahatma Gandhi

Gandhi Jayanti, celebrated on October 2 every year, commemorates the birth of Mohandas Karamchand Gandhi, popularly known as Mahatma Gandhi or the Father of the Nation.



Key Point

- ❖ Gandhi Jayanti 2024 will mark his 155th birth anniversary.
- ❖ The United Nations observes the International Day of Non-Violence annually on October 2nd
- ❖ It was established by the UNGA in 2007 to "disseminate the message of non-violence, including through education and public awareness".

About Mahatma Gandhi

- ❖ He was fondly given many titles, such as "Mahatma," meaning "Great Soul," given by Rabindranath Tagore, and "Father of the Nation," by Subhash Chandra Bose.

Particular	Details
Full Name	Mohandas Karamchand Gandhi
Birth	October 2, 1869, Porbandar, Gujarat, India
Family Background	Father: Karamchand Gandhi Mother: Putlibai.
Spouse	Kasturbai
Education	University College London, Alfred High School
President of INC	Belgaum Session (1924)

Major Movements	Champanan Satyagraha, Kheda Satyagraha, Salt March, Quit India Movement
Death	January 30, 1948
Eepitaphs	Hey Ram



Annular solar eclipse on October 2

The annular solar eclipse on October 2, 2024, will form a "ring of fire" as the moon passes in front of the sun, covering 93% of the sun's surface.



Key Point

- ❖ A solar eclipse takes place when the Moon moves in the middle of the Earth and the Sun. The Moon blocks the light of the Sun, either fully or partially, which casts a huge shadow on some parts of the world.
- ❖ There are four different types of solar eclipses, including total solar eclipse, annular solar eclipse, partial solar eclipse, and hybrid solar eclipse.

- ❖ The "ring of fire" eclipse occurs when the moon is farther from the Earth and appears smaller than the sun, leaving the sun's edges visible. This creates a glowing ring around the moon, a spectacular sight in parts of the Southern Hemisphere.
- ❖ The eclipse's shadow will travel at speeds up to 6.25 million mph as it moves across the Pacific Ocean, though it will slow down to 1,278 mph when the "ring of fire" lasts the longest—7 minutes and 25 seconds—over a remote part of the Pacific Ocean, northwest of Easter Island.
- ❖ This astronomical event will not be repeated until 2026, when a similar eclipse will be visible in Greenland, Spain, and Iceland.

Why does it appear like a ring?

- ❖ As the moon is not big enough, its shadow can cover the star only in a partial manner, giving a spectacular view often called as "ring of fire".
- ❖ The moon will also be in its farthest position from the Sun called apogee, thus making its shadow too little to eclipse the star.

Ravindra Jadeja Joins 300-Test Wickets Club

Ravindra Jadeja became the first Indian left-arm spinner to take 300 test wickets in Test cricket.

Key Point

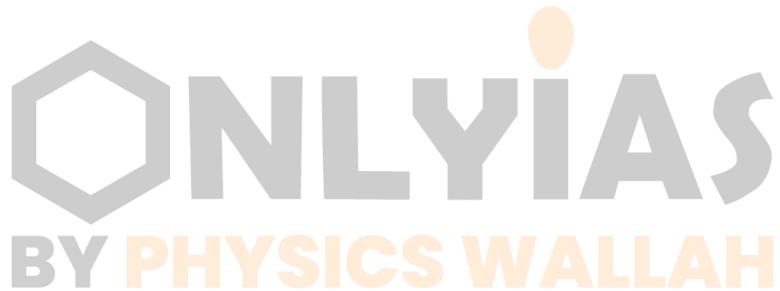
- ❖ The all-rounder became the second-fastest player to score 3,000 Test runs and take 300 Test wickets after Ian Botham.
- ❖ Ravindra Jadeja became the fourth quickest Indian bowler to take 300 wickets in his 74th test match behind Ravichandran Ashwin (54 Test), Anil Kumble (66 Test), and Harbhajan Singh (72 Test).
- ❖ Jadeja is now the seventh bowler to bag 300-plus wickets for India in Tests.
- ❖ Jadeja achieved this feat in just the 74th Test match against Bangladesh.



News Shorts

- ❖ Ravindra Jadeja became the first Indian left arm spinner to take 300 test wickets in Test cricket.
- ❖ Maharashtra government granted 'Rajyamata-Gomata' status to indigenous cows, marking the first time such a title was conferred on any creature by the state.
- ❖ NATO is establishing a new land command in Mikkeli, Finland, near the Russian border.

- ❖ Indian Railways - RSPB won the 95th All-India MCC-Murugappa Gold Cup Hockey Tournament.
 - ❖ Recently, six people have died in Rwanda due to a Marburg virus outbreak.
 - ❖ During the 79th session of the UN General Assembly, Bhutan's Prime Minister Tshering Tobgay expressed strong support for India's bid for a permanent seat in a reformed UN Security Council.
- ❖ Gujarat leads in rooftop solar capacity with 4,195 MW, followed by Maharashtra with 2,487 MW, and Rajasthan with 1,269 MW.
 - ❖ India has extended budgetary support to the Government of Maldives in the form of rollover worth USD 50 million Treasury Bills (T-bills) for another year, at the request of the Maldivian government.



Important Daily Current Affairs Question

1. Which state has granted the Rajyamata status to desi cows, marking the first time such a title has been given to any animal?

- (a) Gujarat
- (b) Madhya Pradesh
- (c) Maharashtra
- (d) Uttar Pradesh

Answer-C

2. Who became the first Indian left-arm spinner to take 300 wickets in Test cricket?

- (a) Kuldeep yadav
- (b) Axar Patel
- (c) Ravindra Jadeja
- (d) Yuzvendra Chahal

Answer-C



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