

भारत सरकार  
 भारतीय हवामानशास्त्र विभाग  
 प्रादेशिक हवामानशास्त्र केंद्र,  
 कुलाबा, मुंबई - 400005  
 दुरध्वनी : 22150517/22174707



GOVERNMENT OF INDIA  
 INDIA METEOROLOGICAL DEPARTMENT  
 REGIONAL METEOROLOGICAL CENTRE,  
 COLABA, MUMBAI - 400005  
 PHONE: 22150517/22174707

Date of Issue: 17 April 2024

## Current Temperature Status and Heat Wave Warnings

### Observed Temperature:

Subdivision	Temperature (Deg C) (Based on 12 UTC 16/04/2024)		Temperature (Deg C) (Based on 03 UTC 17/04/2024)	
	Maximum	Departure	Minimum	Departure
North Konkan	35-42	Appreciably Above Normal	27-30	Above Normal
South Konkan-Goa	33-35	Above Normal	24-29	Above Normal
North Madhya Maharashtra	40-43	Above Normal	23-27	Appreciably Above Normal
South Madhya Maharashtra	40-43	Above Normal	26-29	Appreciably Above Normal
Marathwada	39-42	Normal	26-28	Appreciably Above Normal

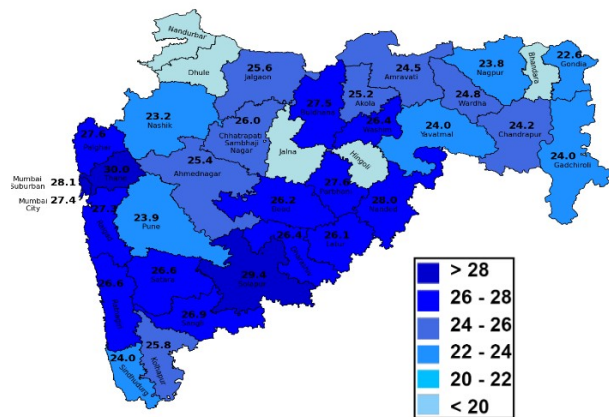
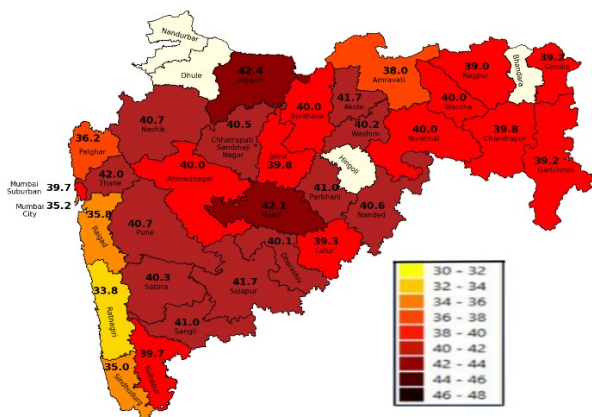
### Heat wave/ Warm night conditions observed:

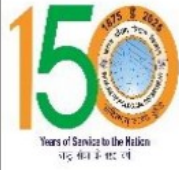
Subdivision	Heat Wave	Warm Night
Konkan- Goa	Observed over North Konkan	Nil
Madhya Maharashtra	Nil	Observed over Madhya Maharashtra
Marathwada	Nil	Nil

### Observed Maximum & Minimum Temperature:

MAXIMUM TEMPERATURES FOR MAHARASHTRA STATE

MINIMUM TEMPERATURES FOR MAHARASHTRA STATE





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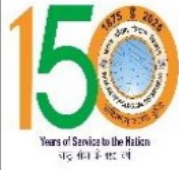


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### Forecast Scenario for next 5 days

<b>Konkan-Goa</b>	
<b>Maximum Temperature:</b>	Rise during next 2 days and gradual fall thereafter.  <b>Heat wave conditions very likely in the districts of Konkan (Mumbai, Thane, Raigad, Ratnagiri &amp; Sindhudurg) during next 24 hours.</b>  <b>Hot and humid conditions very likely in isolated pockets of Konkan (Thane, Raigad, Mumbai, Ratnagiri) on 19<sup>th</sup> April 2024.</b>
<b>Minimum Temperature:</b>	Gradual rise in minimum temperature during next 3 days.
<b>Maximum Temperature (Percentile):</b>	Expected to be between 95-98 <sup>th</sup> percentile on 16 <sup>th</sup> April over isolated pockets of South Konkan
<b>Minimum Temperature (Percentile):</b>	Expected to be between 95-98 <sup>th</sup> percentile over isolated pockets of North Konkan.
<b>Relative Humidity:</b>	No significant change expected during next 5 days.
<b>Wind Speed:</b>	No significant change expected during next 5 days.
<b>Heat Index:</b>	Expected to be below 40 - 50 deg C during 15-16 April 2024.

<b>Madhya Maharashtra</b>	
<b>Maximum Temperature:</b>	Rise during next 2 days and gradual fall thereafter.  <b>Heat wave conditions are very likely in the districts of North Madhya Maharashtra (Nandurbar, Dhule, Jalgaon, Nasik) during next 48 hours.</b>  <b>Warm night conditions are very likely in the districts of South Madhya Maharashtra (Satara, Sangli, Solapur) during next 48 hours.</b>
<b>Minimum Temperature:</b>	Gradual rise in minimum temperature during next 3 days.
<b>Maximum Temperature (Percentile):</b>	Expected to be below 90 <sup>th</sup> percentile during next 5 days.
<b>Minimum Temperature (Percentile):</b>	Expected to be between 95-98 <sup>th</sup> percentile during next 5 days over isolated pockets of South Madhya Maharashtra
<b>Relative Humidity:</b>	No significant change expected during next 5 days
<b>Wind Speed:</b>	No significant change expected during next 5 days



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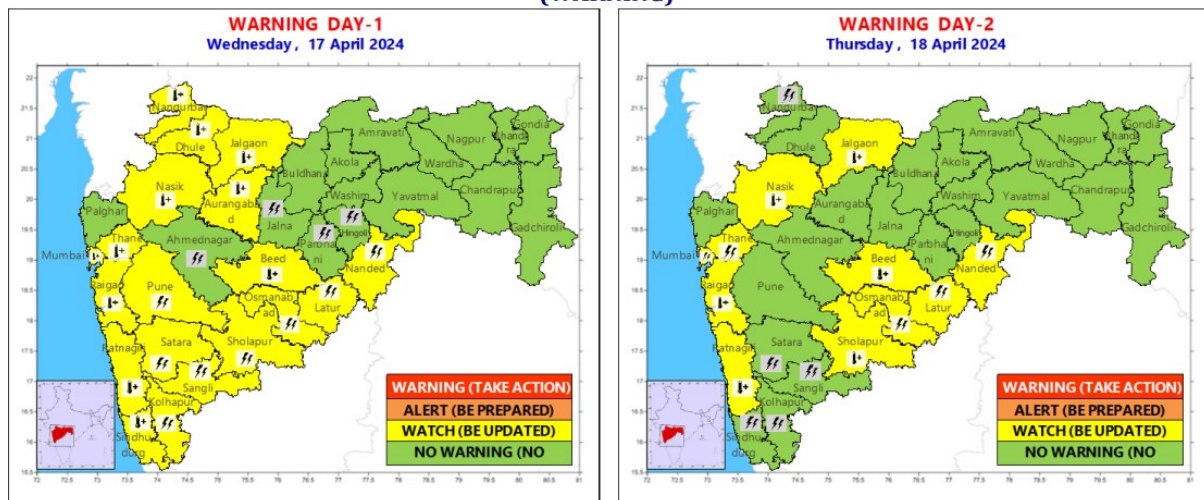
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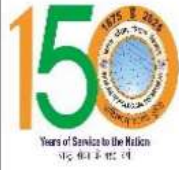
<b>Heat Index:</b>	Expected to be below <b>40 - 50 deg C</b> over isolated pocketson 16 April 2024.
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<b>Marathwada</b>	
<b>Maximum Temperature:</b>	Rise during next 2 days and gradual fall thereafter.  <b>Heat wave conditions very likely in the districts of Marathwada during next 24 hours.</b>
<b>Minimum Temperature:</b>	Gradual rise in minimum temperature during next 3 days.
<b>Maximum Temperature (Percentile):</b>	Expected to be below <b>90<sup>th</sup></b> percentile during next 5 days
<b>Minimum Temperature (Percentile):</b>	Expected to be below <b>90<sup>th</sup></b> percentile during next 5 days
<b>Relative Humidity:</b>	No significant change expected during next 5 days
<b>Wind Speed:</b>	No significant change expected during next 5 days
<b>Heat Index:</b>	Expected to be below <b>40 deg C</b> during next 5 days.

**District wise Warning :**

**(WARNING)**





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### Expected Impacts:

- ❖ Vulnerable people may take necessary precaution.
- ❖ It is advised to take precautionary measures for hot weather while going outside during peak hours of the day.
- ❖ Heat cramp, heat rash likely during peak hours of the day.
- ❖

### Action Suggested:

- ❖ Avoid prolonged heat exposure.
- ❖ Stay hydrated. Drink sufficient water even if not feeling thirsty to avoid dehydration.
- ❖ Wear light weight, light colored, loose, cotton clothes.
- ❖ Cover your head: use a wet cloth, hat or umbrella while going out during peak hours.
- ❖ Caution workers to avoid direct sunlight during the peak hours.
- ❖ Schedule strenuous jobs to cooler times of the day.
- ❖ Increasing the frequency and length of rest breaks for outdoor activities.
- ❖ Recognize the signs of heat stroke, heat rash or heat cramps such as weakness, dizziness, headache, nausea, sweating and seizures. If you feel faint or ill, see a doctor/ hospital immediately.
- ❖ Farmers are advised to continue irrigation activities.

### Legends:

 <b>Heat Wave</b>	<b>When maximum temperature of a station reaches <math>\geq 40^{\circ}\text{C}</math> for plains and <math>\geq 30^{\circ}\text{C}</math> for hilly regions</b>
	<b>(a) Based on Departure from normal</b>
	<b>Heat Wave:</b> Maximum Temperature Departure from normal $4.5^{\circ}\text{C}$ to $6.4^{\circ}\text{C}$ . <b>Severe Heat Wave:</b> Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$
 <b>Warm Night</b>	<b>(b). Based on Actual maximum temperature</b>
	<b>Heat Wave:</b> When actual maximum temperature $\geq 45^{\circ}\text{C}$ . <b>Severe Heat Wave:</b> When actual maximum temperature $\geq 47^{\circ}\text{C}$
	<b>(c). Criteria for heat wave for coastal stations</b> When maximum temperature departure is $>4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$
 <b>Warm Night</b>	<b>When maximum temperature remains <math>40^{\circ}\text{C}</math></b>
	<b>Warm Night:</b> When minimum temperature departure $4.5^{\circ}\text{C}$ to $6.4^{\circ}\text{C}$ . <b>Severe Warm Night:</b> When minimum temperature departure $>6.4^{\circ}\text{C}$ .



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## Heat Wave Warning

<b>Green</b> <b>(No action)</b>	<b>Normal Day</b>	<b>Maximum temperatures are near normal</b>
<b>Yellow Alert</b> <b>(Be updated)</b>	<b>Heat Alert</b>	<b>Heat wave conditions at district level likely to persist for 2 days</b>
<b>Orange Alert</b> <b>(Be prepared)</b>	<b>Severe Heat Alert for the day</b>	<b>(i) Severe heat wave conditions persist for 2 days.</b> <b>(ii) With varied severity, heat wave is likely to persist for 4 days or more</b>
<b>Red Alert</b> <b>(Take Action)</b>	<b>Extreme Heat Alert for the day</b>	<b>(i) Severe heat wave persists for more than 2 days.</b> <b>(ii) Total MAXIMUM TEMPERATURES number of heat/severe heat wave days likely to exceeds 6 days.</b>