

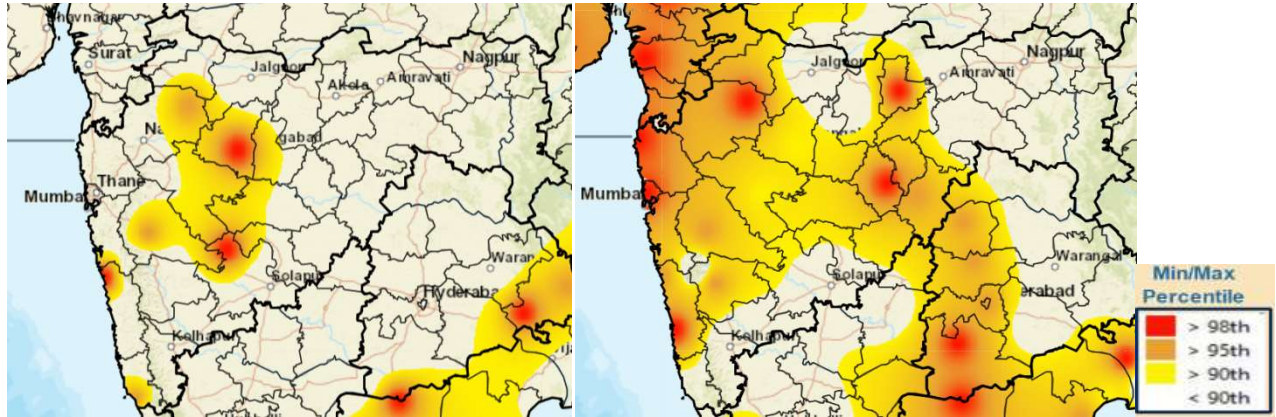


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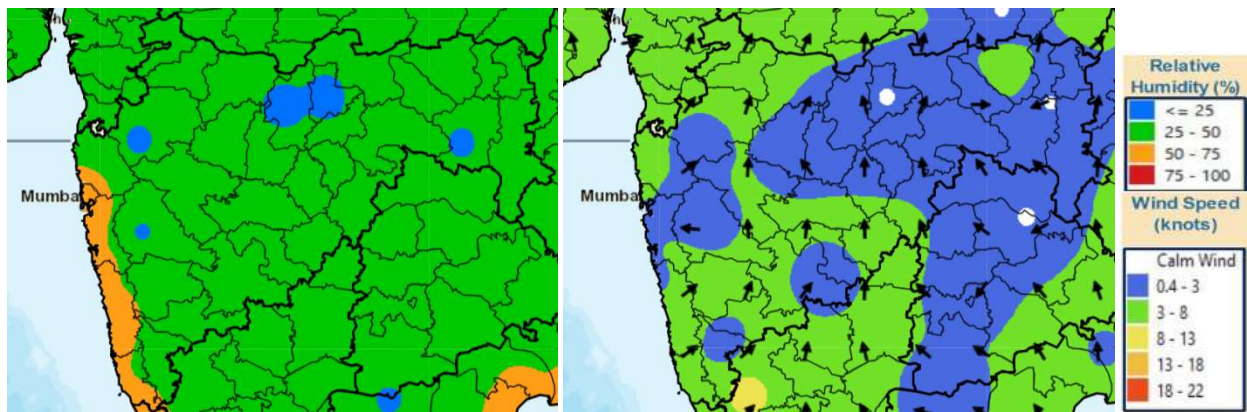


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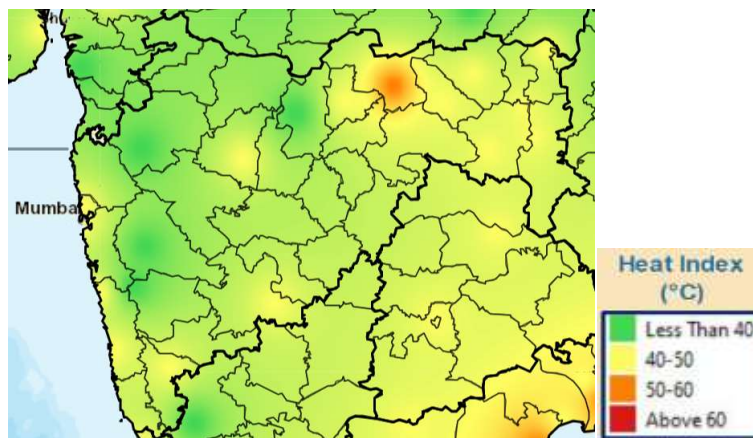
Observed Percentile Map of Maximum and Minimum Temperature:

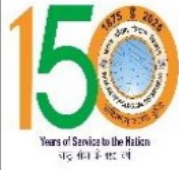


Observed Relative Humidity: Observed Wind Speed & Direction (at 1430 hrs IST):



Observed Heat Index:





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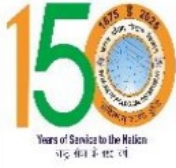


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Forecast Scenario for next 5 days

Konkan-Goa	
Maximum Temperature:	No large change in maximum temperature during 24 hours and gradual fall by 2-3°C thereafter. Hot and humid conditions very likely in isolated pockets of Konkan(Mumbai, Thane, Raigad) on 19th April 2024.
Minimum Temperature:	Gradual rise in minimum temperature during next 3 days.
Maximum Temperature (Percentile):	Expected to be between 95-98 th percentile on 19 th April over isolated pockets of South Konkan.
Minimum Temperature (Percentile):	Expected to be below 90 th percentile during next 5 days.
Relative Humidity:	No significant change expected during next 5 days.
Wind Speed:	No significant change expected during next 5 days.
Heat Index:	Expected to be between 40 - 50 deg C during 19 th April 2024.

Madhya Maharashtra	
Maximum Temperature:	No large change in maximum temperature during 24 hours and gradual fall by 2-3°C thereafter. Hot and humid conditions are very likely in the districts of North Madhya Maharashtra (Nandurbar, Dhule, Jalgaon, Nasik) during next 24 hours.
Minimum Temperature:	Gradual rise in minimum temperature during next 3 days.
Maximum Temperature (Percentile):	Expected to be between 90-95 th percentile during next 5 days over isolated pockets of North Madhya Maharashtra
Minimum Temperature (Percentile):	Expected to be below 90 th percentile during next 5 days.
Relative Humidity:	No significant change expected during next 5 days
Wind Speed:	No significant change expected during next 5 days
Heat Index:	Expected to be between 40 - 50 deg C over parts of North Madhya Maharashtra



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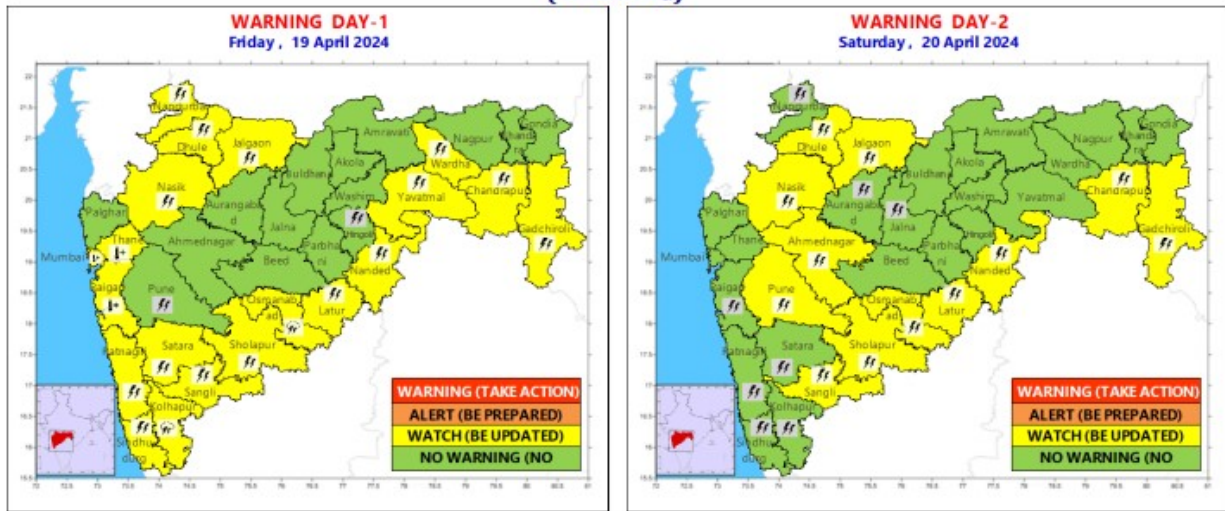
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Marathwada

Maximum Temperature:	No large change in maximum temperature during 24 hours and gradual fall by 2-3°C thereafter.
Minimum Temperature:	Gradual rise in minimum temperature during next 3 days.
Maximum Temperature (Percentile):	Expected to be below 90 th percentile during next 5 days
Minimum Temperature (Percentile):	Expected to be below 90 th percentile during next 5 days
Relative Humidity:	No significant change expected during next 5 days
Wind Speed:	No significant change expected during next 5 days
Heat Index:	Expected to be below 40 deg C during next 5 days.

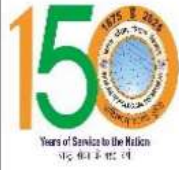
District wise Warning:

(WARNING)



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.



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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:

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



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Heat Wave Warning

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