



# **Current Temperature Status and Heat Wave Warning**

# Dated: 17<sup>th</sup> April, 2024 Time of Issue: 1630 Hrs IST

## Observed Temperature Scenario:-

## Maximum Temperature & its departure (Yesterday) (Annexure 1):-

- Yesterday, maximum temperatures were in the range of 41-43°C over at a few places over Odisha, Coastal Andhra Pradesh & Yanam, Saurashtra & Kutch and Rayalaseema and at isolated pockets over West Uttar Pradesh, Jharkhand, Gangetic West Bengal, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Telangana and North Interior Karnataka; 38-40°C over many places over East Uttar Pradesh and Vidarbha; at a few places over Tamil Nadu, Puducherry & Karaikal, Madhya Pradesh, Bihar, Chhattisgarh and Marathwada. These were above normal by 2-3° C at a few places over these areas.
- Yesterday's Highest Maximum Temperature on Plains: 43.6°C at Baripada (Odisha)
- Markedly above normal (5.1°C or more):- NIL.
- Appreciably above normal (3.1°C to 5.0°C):- At many places over Gangetic West Bengal; at a few places over Nagaland, Manipur, Mizoram & Tripura and at isolated places over Arunachal Pradesh, Coastal Andhra Pradesh & Yanam and Saurashtra & Kutch.
- Above normal (1.6°C to 3.0°C) :- at most places over Interior Karnataka; at many places over Bihar, Odisha, Madhya Maharashtra and Konkan & Goa; at a few places over Jharkhand, Marathwada, Gujarat Region, Rayalaseema, Kerala & Mahe and Sub-Himalayan West Bengal & Sikkim; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Chhattisgarh, East Uttar Pradesh, Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal.

## Minimum Temperature & its departure (Today) (Annexure 2):-

- Markedly above normal (5.1°C or more):- NIL.
- Appreciably above normal (3.1°C to 5.0°C):- At a few places over Madhya Maharashtra and Konkan & Goa and at isolated places over Gangetic West Bengal, Bihar, Saurashtra & Kutch and Marathwada.
- Above normal (1.6°C to 3.0°C) :- at most places over Jharkhand and North Interior Karnataka; at many places over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Odisha and Gujarat Region; at a few places over Andaman & Nicobar Islands, Assam & Meghalaya, East Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe and at isolated places over West Rajasthan, Madhya Pradesh, Chhattisgarh, Rayalaseema and South Interior Karnataka.
- Heat wave conditions:- Heat Wave to severe Heat wave conditions prevailed at isolated pockets over Saurashtra and Heat Wave conditions in some pockets over Gangetic West Bengal, Odisha and north Konkan.
- Warm night conditions:- NIL.





Percentile Temperature (Annexure 3) :-

◆ Temperatures Recorded at 1430 Hours IST of Today, the 17<sup>th</sup> April, 2024 (Annexure 4) :-

• Rajkot (Saurashtra & Kutch) recorded the highest temperature of 43.4°C

• Wind Speed & Relative Humidity Recorded at 1430 Hours IST of Today (Annexure 5) :-

## Maximum Temperatures Forecast :-

- Rise in maximum temperatures by 2-3°C very likely over East & parts of south peninsular India during next
  3 days and no significant change thereafter.
- No significant change in maximum temperatures very likely over northwest India during next 2 days and fall by 2-3°C for subsequent 3 days.
- No significant change in maximum temperatures very likely over rest parts of the country.





## **Hot Weather Warnings for Next 5 Days**

#### DAY-1:-

- Hot and humid weather very likely to prevail over coastal areas of Gujarat region, Coastal & south Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- Heat wave to severe heat wave very likely to prevail in isolated pockets over Saurashtra & Kutch; Heat wave in isolated pockets over Gangetic West Bengal, Bihar, Odisha, north Konkan, Madhya Maharashtra, Marathwada Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana.
- Warm Night very likely to prevail in isolated pockets over Madhya Maharashtra and Marathwada.

#### DAY-2:-

- Hot and humid weather very likely to prevail over Konkan, Kerala & Mahe and Coastal & South Interior Karnataka.
- Heat wave to severe heat wave very likely to prevail in isolated pockets over Odisha, Heat wave at isolated pockets over Gangetic West Bengal, Bihar, Madhya Maharashtra, Marathwada, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana.
- Warm Night very likely to prevail in isolated pockets over Madhya Maharashtra

#### DAY-3:-

- Hot and humid weather likely to prevail over Konkan and Coastal & south Interior Karnataka.
- Heat wave to severe heat wave very likely to prevail in isolated pockets over Gangetic West Bengal and Odisha; heat wave likely to prevail in isolated pockets over Bihar, Jharkhand, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.

#### DAY-4:-

- Hot and humid weather likely to prevail over Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana.
- Heat wave to severe heat wave likely to prevail in isolated pockets over Gangetic West Bengal; heat wave likely to prevail in isolated pockets over Bihar, Jharkhand and Odisha.

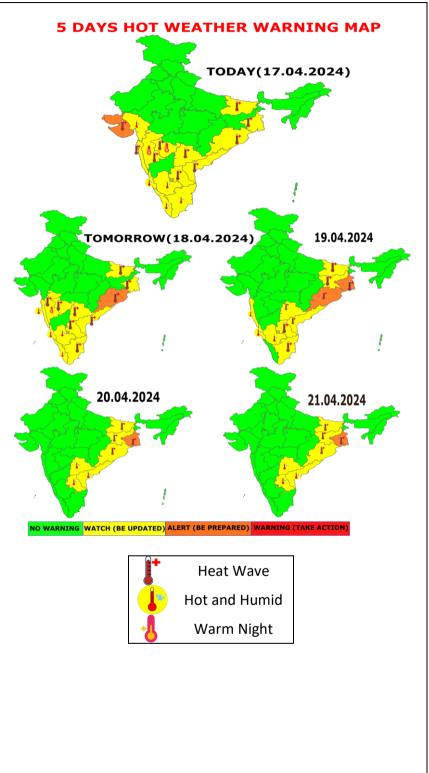
#### DAY-5:-

- Hot and humid weather likely to prevail over Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana.
- Heat wave to severe heat wave likely to prevail in isolated pockets over Gangetic West Bengal; heat wave likely to prevail in isolated pockets over Bihar, Jharkhand and Odisha.

#### **IMPACT & ACTION SUGGESTED:**

#### Yellow alert Areas:

- 1. Moderate temperature, Heat is tolerable for general public but moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- **2.** Avoid heat exposure, Wear light weight, light coloured, loose, cotton clothes, Cover your head, Use a cloth, hat or umbrella.



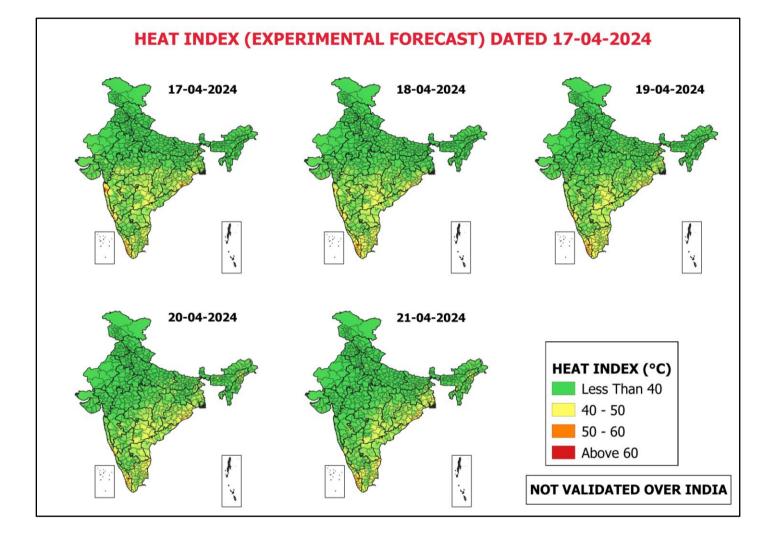
#### **Orange alert Areas:**

1. High temperature, Increased likelihood of heat illness symptoms in people who areeither exposed to sun for a prolonged period or doing heavy work. High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.

2. Drink sufficient water- even if not thirsty, Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.







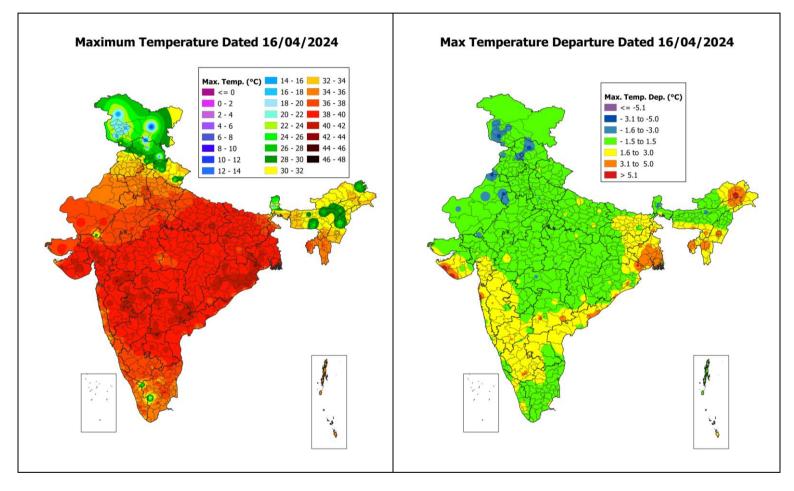




राष्ट्रीय मौसम पूर्वानुमान केन्द्र भारत मौसम विज्ञान विभाग

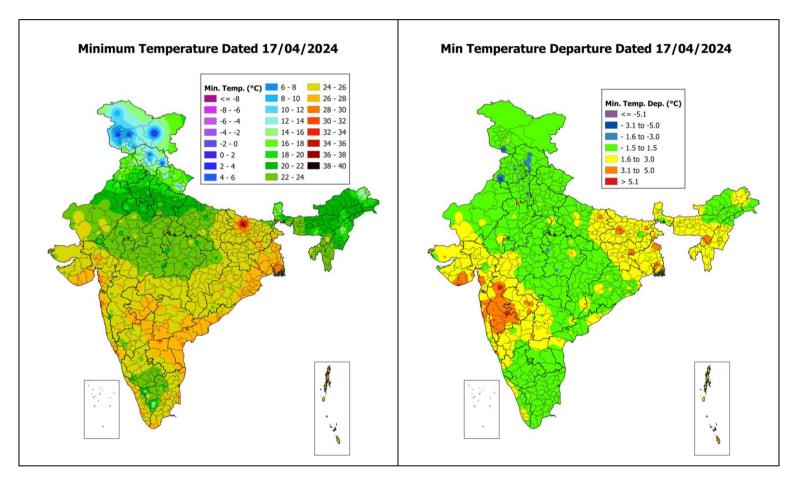
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



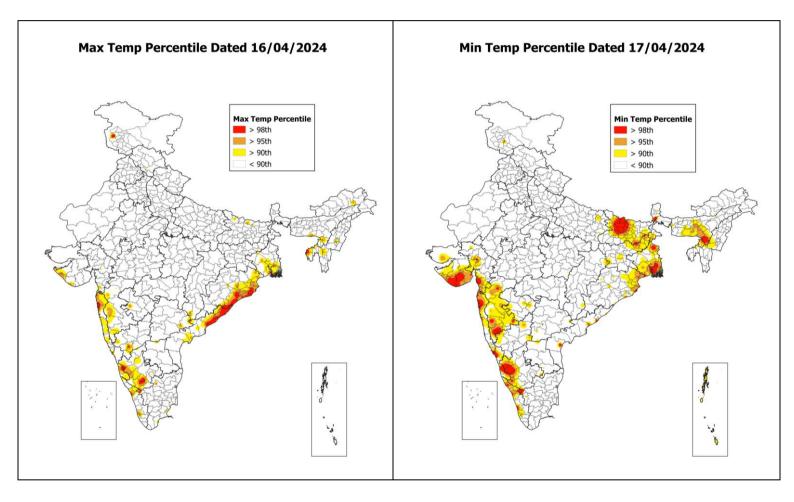






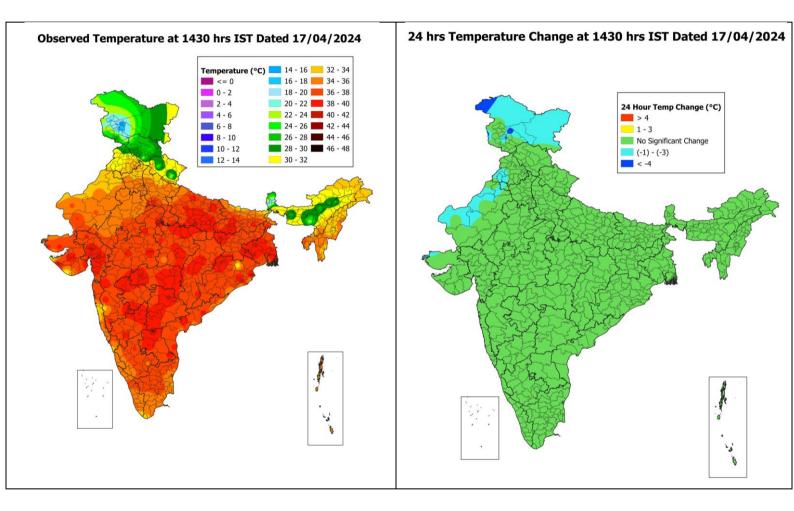








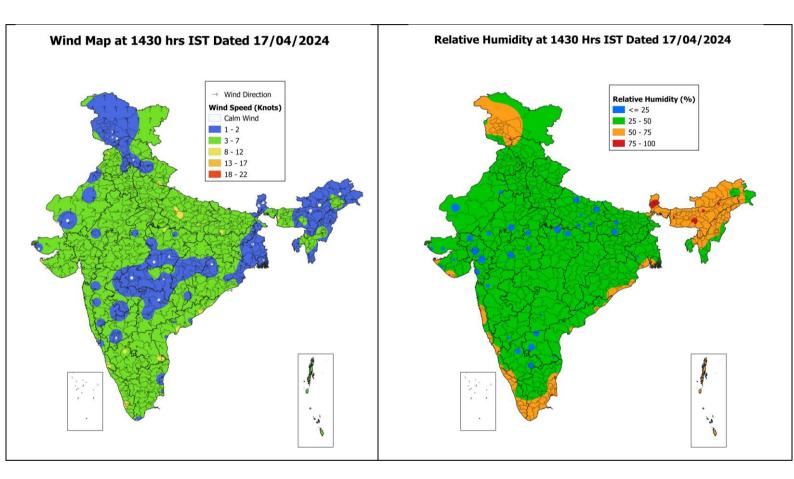








Annexure 5



For Districtwise heat wave warning visit: https://mausam.imd.gov.in/responsive/districtWiseHeatwaveWarning.php

For GIS Based Heat Wave Warning visit: http://103.215.208.18/dwr\_img/GIS/heatwave.html

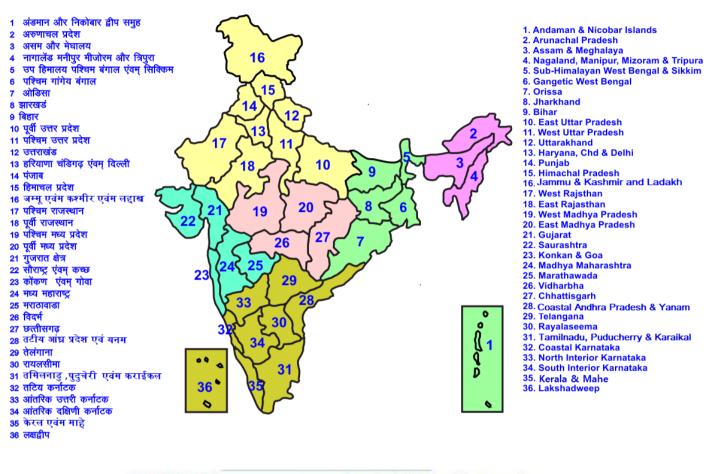


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National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

# **LEGENDS**



	WARNING	Probabilistic Forecast		
	WARNING (TAKE ACTION)	Terms	Probability of Occurrence (%)	
	ALERT ( BE PREPARED)	Unlikely	< 25	
	WATCH (BE UPDATED)	Likely Very Likely	25 - 50 50 - 75	
	NO WARNING ( NO ACTION)	Most Likely	> 75	
<b>Å+</b> Heat Wave	When maximum temperature of a station reaches ≥40° C for plains and ≥30° 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 ≥6.5° C			
	(b). Based on Actual maximum temperature			
	Heat Wave: When actual maximum temperature ≥45ºC.			
	Severe Heat Wave: When actual maximum temperature ≥47°C			
	( c). Criteria for heat wave for coastal stations When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C			
<b>j+</b> 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 °C.			

**Hot and Humid:** When maximum temperatures remains 3°C above normal along with the above normal relative humidity.