



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Current Temperature Status and Heat Wave Warning

Dated: 30th 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 43-45°C over in some parts of Gangetic West Bengal, Odisha, southwest Uttar Pradesh, south Gujarat, Telangana and south coastal Andhra Pradesh, Rayalaseema; in the range of 40-43°C in some parts of Madhya Pradesh, remaining parts of Uttar Pradesh, Bihar, Jharkhand, south Chhattisgarh, north Tamil Nadu, north coastal Andhra Pradesh, Maharashtra, interior Karnataka and remaining parts of Gujarat. These were above normal by 4-8°C over in many parts of Gangetic West Bengal and Bihar; in some parts of Sub Himalayan West Bengal, north Odisha and in isolated pockets of Jharkhand, Andhra Pradesh, Telangana, Maharashtra, Saurashtra & Kutch, Kerala and Karnataka.
- Yesterday's Highest Maximum Temperature on Plains: 45.6°C at Nandyal (Rayalaseema).
- Markedly above normal (5.1°C or more):- At most places over Gangetic West Bengal; at a few places over Odisha,
 Bihar and Sub-Himalayan West Bengal; at isolated places over Konkan & Goa.
- Appreciably above normal (3.1°C to 5.0°C):- At most places over Kerala & Mahe; at a few places over East Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal.
- Above normal (1.6°C to 3.0°C):- At many places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Lakshadweep; at a few places over Karnataka and Telangana; at isolated places over West Uttar Pradesh, Chhattisgarh, Jharkhand, Assam & Meghalaya, Madhya Maharashtra and Andaman & Nicobar Islands.

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 Gangetic West Bengal; at isolated places over Bihar, Jharkhand, Madhya Maharashtra and Nagaland, Manipur, Mizoram & Tripura.
- Above normal (1.6°C to 3.0°C):- At most places over Vidarbha, Karnataka and Kerala & Mahe; at many places over Sub-Himalayan West Bengal & Sikkim, Odisha, Chhattisgarh and Konkan & Goa; at a few places over East Uttar Pradesh, Assam & Meghalaya, Telangana and Tamil Nadu, Puducherry & Karaikal; at isolated places over East Madhya Pradesh, Saurashtra & Kutch and Rayalaseema.





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- ◆ Heat wave conditions:- Yesterday, Heat Wave to severe heat wave conditions prevailed in most parts over Gangetic West Bengal; in some parts over Saurashtra, Bihar, Sub-Himalayan West Bengal and Odisha and Heat wave conditions in isolated pockets over Jharkhand, Telangana, Interior Karnataka, north Kerala, Konkan and Rayalaseema. Heat wave to severe heat wave conditions have been prevailing over Odisha since 15th, Gangetic West Bengal since 17th April 2024.
- ♦ Warm night conditions:- Severe warm night prevailed in isolated places over Odisha; Warm Night prevailed in isolated places over Bihar, Gangetic West Bengal, Madhya Maharashtra, Marathwada and North Interior Karnataka.
- ♦ Hot & Humid prevailed in isolated places over Kerala, Tamil Nadu, Puducherry & Karaikal and Coastal Karnataka.
- ◆ Percentile Temperature (Annexure 3) :-
- ♦ Temperatures Recorded at 1430 Hours IST of Today, the 30th April, 2024 (Annexure 4):-
- Jamshedpur (Jharkhand) recorded the highest temperature of 45.0°C.
- ♦ Wind Speed & Relative Humidity Recorded at 1430 Hours IST of Today (Annexure 5) :-
- ♦ Maximum Temperatures Forecast :-
- Fall in maximum temperatures by 2-3°C very likely over Northwest India during next 2 days and rise by 2-3°C thereafter.
- Rise in maximum temperatures by 2-3 °C very likely over Central India during next 5 days.
- Rise in maximum temperatures by 2-3°C very likely over Gujarat state during next 3 days and no significant change thereafter.
- No significant change in maximum temperatures very likely over rest parts of the country.





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Hot Weather Warnings for Next 5 Days

DΔV-1:-

- Hot and humid weather very likely to prevail over west Assam & Meghalaya, Tripura, Saurashtra & Kutch, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- Heat wave to severe heat wave conditions very likely to prevail at many places over Gangetic West Bengal; at a few places over Bihar, Odisha; in isolated pockets over Sub-Himalayan West Bengal, Jharkhand, Saurashtra & Kutch; heat wave conditions in isolated pockets over Konkan, Marathwada, Madhya Maharashtra, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka.
- Warm night conditions very likely to prevail in isolated pockets over East Madhya Pradesh, Bihar, Gangetic West Bengal, Odisha and North Interior Karnataka.

DAY-2:-

- Hot and humid weather very likely to prevail over west Assam & Meghalaya, Tripura, Saurashtra & Kutch, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- Heat wave to severe heat wave conditions very likely to prevail at many places over Gangetic West Bengal; at a few places over Bihar, Odisha; in isolated pockets over Jharkhand, Saurashtra & Kutch; heat wave conditions in isolated pockets over Sub-Himalayan West Bengal, Konkan, Marathwada, Madhya Maharashtra, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.
- Warm night conditions very likely to prevail in isolated pockets over East Madhya Pradesh, Bihar, Gangetic West Bengal, Odisha and North Interior Karnataka.

DAY-3:-

- Hot and humid weather very likely to prevail over Konkan, Saurashtra & Kutch, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- Heat wave to severe heat wave conditions very likely to prevail at many places over Gangetic West Bengal; at a few places over Bihar, Odisha; in isolated pockets over Rayalaseema and Saurashtra & Kutch; heat wave conditions in isolated pockets over Jharkhand, Sub-Himalayan West Bengal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.
- Warm night conditions very likely to prevail in isolated pockets over East Madhya Pradesh, Bihar, Odisha and North Interior Karnataka.

DAY-4:-

- Hot and humid weather very likely to prevail over Konkan, Saurashtra & Kutch, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- Heat wave to severe heat wave conditions likely to prevail in isolated pockets over Saurashtra & Kutch and Rayalaseema; heat wave conditions in some parts over Gangetic West Bengal; in isolated pockets over Bihar, Jharkhand, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Interior Karnataka.
- Warm night conditions likely to prevail in isolated pockets over East Madhya Pradesh and North Interior Karnataka.

DAY-5:-

- Hot and humid weather very likely to prevail over Konkan, Saurashtra & Kutch, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- Heat wave to severe heat wave conditions likely to prevail in isolated pockets over Saurashtra & Kutch and Rayalaseema; heat wave conditions in isolated pockets over Gangetic West Bengal, Bihar, Jharkhand, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Interior Karnataka.
- Warm night conditions likely to prevail in isolated pockets over East Madhya Pradesh and North Interior Karnataka.

5 DAYS HOT WEATHER WARNING MAP ODAY 30.04.2024) TOMORROW(01.05.2024) 02.05.2024 03.05.2024 04.05.2024 O WARNING WATCH (BE UPDATED) ALERT (BE PREPARED) WARNING (TAKE ACTION) **Heat Wave** Hot and Humid Warm Night

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:

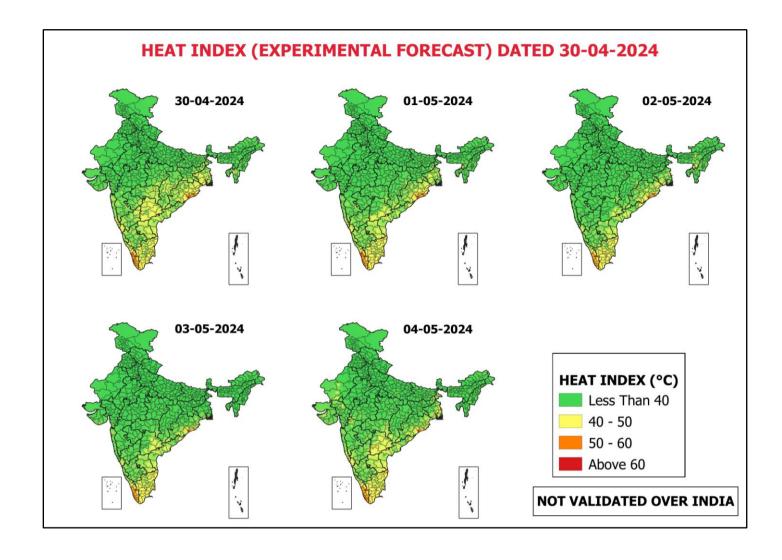
- 1. High temperature, Increased likelihood of heat illness symptoms in people who areeither exposed to sun for a prolonged period or doing heavy work. High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- 2. Drink sufficient water- even if not thirsty, Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Red alert Areas:

- 1. Very high likelihood of developing heat illness and heat stroke in all ages.
- 2. Extreme care needed for vulnerable people.

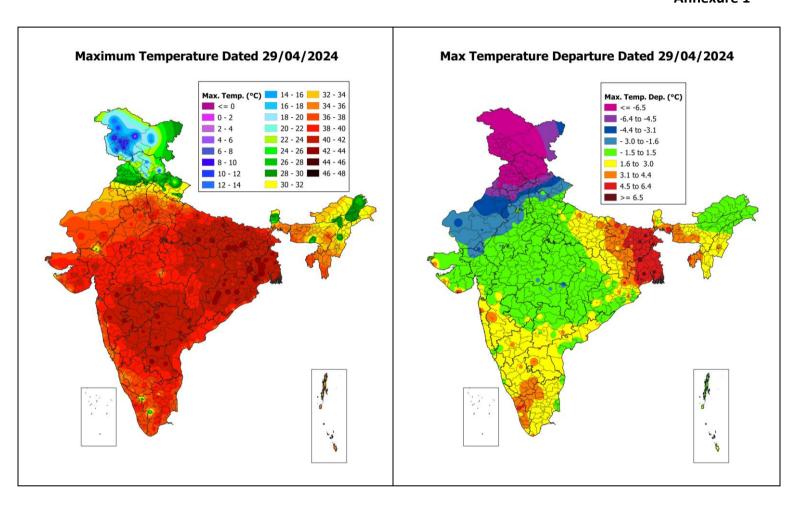






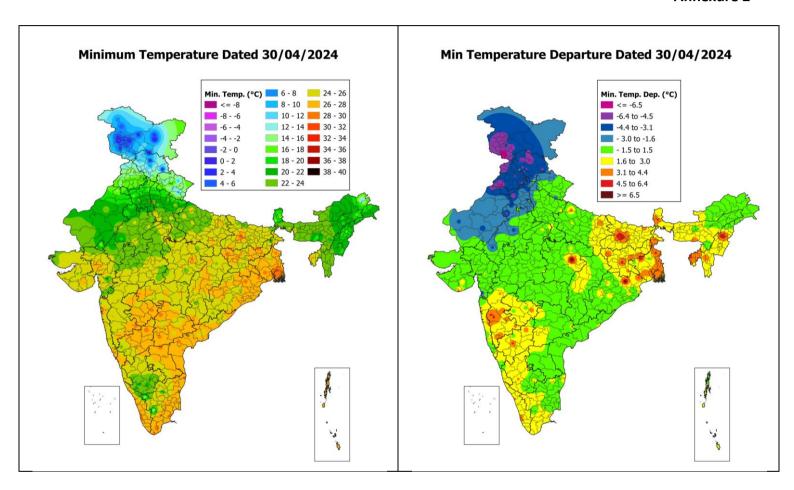






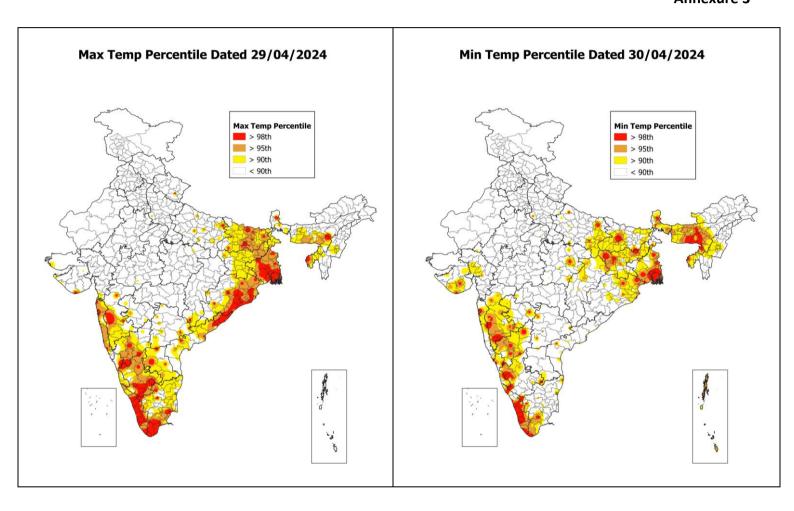








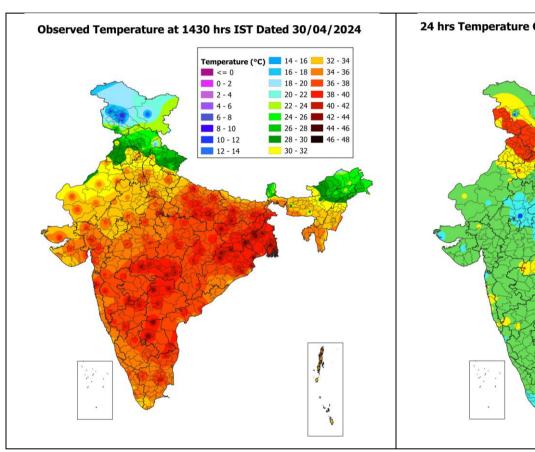


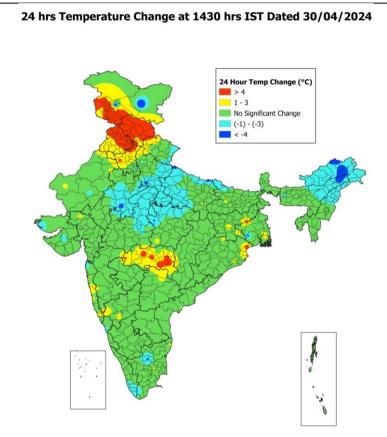




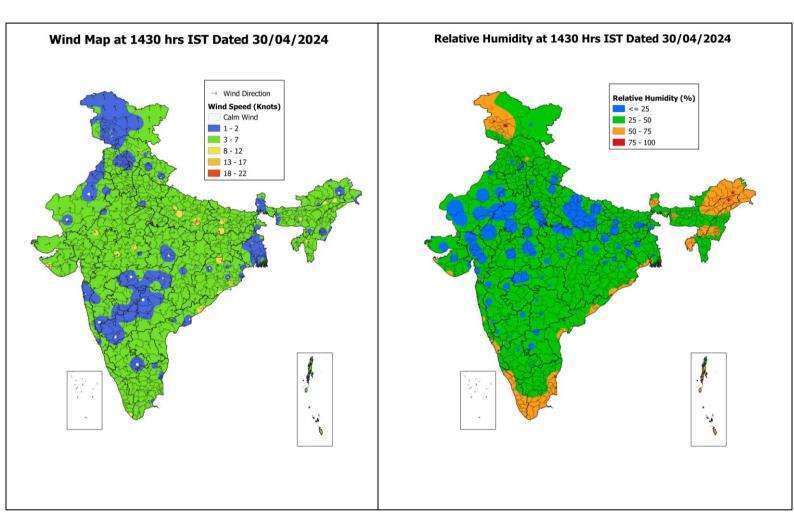


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For Districtwise heat wave warning visit:

https://mausam.imd.gov.in/responsive/districtWiseHeatwaveWarning.php

For GIS Based Heat Wave Warning visit:

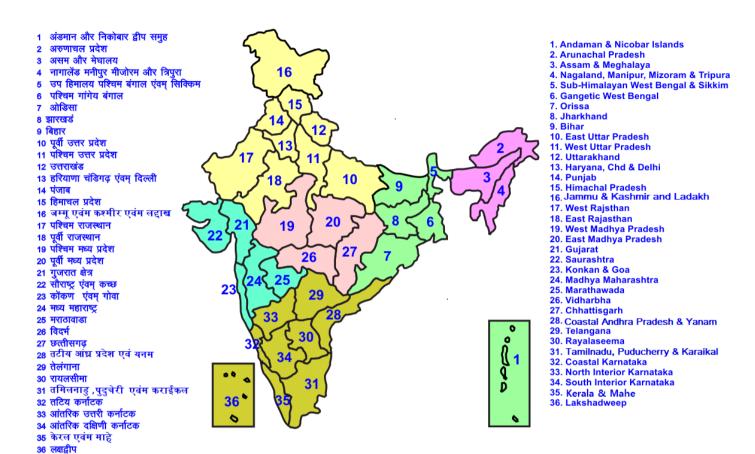
http://103.215.208.18/dwr img/GIS/heatwave.html





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LEGENDS



	WARNING	Probabilistic Forecast		
	WARNING (TAKE ACTION)	Terms	Probability of Occurrence (%)	
	ALERT (BE PREPARED)	Unlikely	< 25	
	WATCH (BE UPDATED)	Very Likely	25 - 50 50 - 75	
	NO WARNING (NO ACTION)	Most Likely	> 75	
į+ 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 ≥45°C.			
	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			
Ž+ 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.