



**Government of India**  
**Ministry of Earth Sciences**  
**India Meteorological Department**

**Press Release**  
**Date: 27<sup>th</sup> April, 2022**  
**Time of Issue: 1300 hrs IST**

**Subject:**

- i) Heat wave conditions over East, Central & Northwest India during next 5 days.**
- ii) Rain/Thunderstorm accompanied with lightning/gusty winds likely to continue over Northeast India.**

**Weather observed during past 24 hours:**

- ✓ **Heat wave conditions** prevailed in isolated pockets over Gangetic West Bengal, Bihar, Jharkhand and Odisha.
- ✓ **Maximum Temperatures** (as on 26/04/2022) were **42-44°C** over many parts of West Rajasthan & Vidarbha; some parts of northern Madhya Pradesh, interior Gangetic West Bengal, southern parts of East Uttar Pradesh and Bihar and in isolated pockets of Jharkhand, northern Odisha, Chhattisgarh, Saurashtra-Kutch, northern parts of interior Maharashtra and **40-42°C** over many parts of East Rajasthan, West Uttar Pradesh, Haryana-Delhi, southern parts of Madhya Pradesh, Telangana and in some parts of Gujarat Region, northern part of East Uttar Pradesh & Rayalaseema and in isolated pockets of Punjab and Madhya Maharashtra.
- ✓ **Chief amount of rainfall (in cm): Sikkim:** North Sikkim: Kabi-6, **Coastal Andhra Pradesh:** Vishakhapatnam: Araku Valley-5.

**Maximum Temperature forecast and Heat Wave warning:**

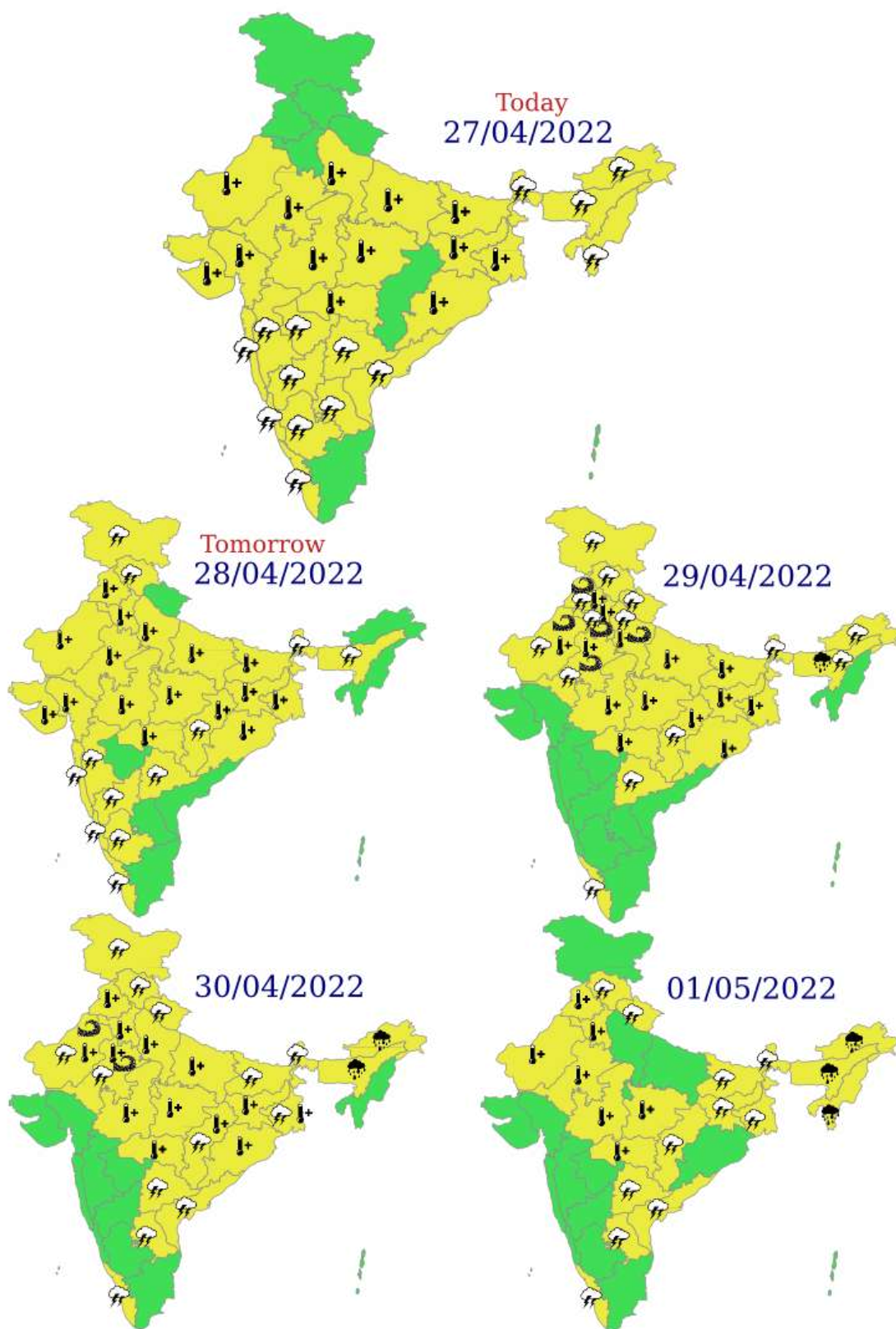
- ✓ Rise by about 2°C in maximum temperatures very likely over most parts of Northwest India during next 3 days and fall by about 2°C thereafter.
- ✓ No significant change in maximum temperatures very likely over most parts of East India during next 3 days and fall by about 2°C thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country.
- ✓ **Heat wave conditions very likely to prevail in isolated pockets over**
  - ❖ Vidarbha, Rajasthan & Madhya Pradesh during next 5 days;
  - ❖ Uttar Pradesh, Jharkhand, interior Gangetic West Bengal & interior Odisha during 27<sup>th</sup>-30<sup>th</sup> April;
  - ❖ Punjab, Haryana-Chandigarh-Delhi during 28<sup>th</sup> April-01<sup>st</sup> May;
  - ❖ Bihar during 27<sup>th</sup>-29<sup>th</sup> and over Chhattisgarh during 28<sup>th</sup>-30<sup>th</sup> April;
  - ❖ Northern parts of Gujarat State on 27<sup>th</sup> & 28<sup>th</sup> April, 2022.

## Rainfall/thunderstorm Forecast & Warnings:

- ✓ Under the influence of strong southwesterly winds from Bay of Bengal to northeastern States at lower tropospheric levels, rainfall intensity is likely to increase over the region from 29<sup>th</sup> April :
  - ❖ Fairly widespread/widespread rainfall with **thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph)** very likely over Arunachal Pradesh, Assam-Meghalaya and scattered/fairly widespread rainfall over Nagaland-Manipur-Mizoram-Tripura & Sub-Himalayan West Bengal-Sikkim during next 5 days.
  - ❖ **Isolated heavy rainfall** very likely over Arunachal Pradesh on 30<sup>th</sup> April & 01<sup>st</sup> May; over Assam-Meghalaya on 29<sup>th</sup> & 30<sup>th</sup> April and **isolated heavy to very heavy rainfall** also likely over Assam-Meghalaya on 01<sup>st</sup> May.
- ✓ Under the influence of a fresh Western Disturbance; light/moderate isolated rainfall accompanied with **thunderstorm/lightning/gusty winds (speed reaching 30-40 kmph)** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh during 28<sup>th</sup> April-01<sup>st</sup> May and over Uttarakhand during 29<sup>th</sup> April-01<sup>st</sup> May. Isolated **hailstorm** also likely over Jammu-Kashmir & Himachal Pradesh on 29<sup>th</sup> April and over Uttarakhand on 30<sup>th</sup> April & 01<sup>st</sup> May 2022.
- ✓ Very light isolated rainfall with **Duststorm/thunderstorm** likely over Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh on 29<sup>th</sup> April and over Rajasthan on 29<sup>th</sup> & 30<sup>th</sup> April.
- ✓ **Strong surface winds (speed reaching 30-40 kmph)** very likely over Rajasthan on 28<sup>th</sup> & 29<sup>th</sup> and over Uttar Pradesh on 29<sup>th</sup> & 30<sup>th</sup> April.
- ✓ Under the influence of another fresh Western Disturbance likely to affect Northwest India from 02<sup>nd</sup> May, 2022:
  - ❖ Light/moderate scattered to fairly widespread rainfall accompanied with **thunderstorm/lightning** likely over Western Himalayan Region during 02<sup>nd</sup>-04<sup>th</sup> May.
  - ❖ Isolated light rainfall likely over plains of northwest India during 03<sup>rd</sup>-04<sup>th</sup> May.
- ✓ Due to trough/wind discontinuity over peninsular India in lower tropospheric levels:
  - ❖ Isolated to scattered rainfall with **thunderstorm/lightning** very likely over Kerala, Karnataka, Tamil Nadu, Andhra Pradesh and Telangana during next 5 days.

**For more details refer:**

[https://mausam.imd.gov.in/imd\\_latest/contents/subdivisionwise-warning.php](https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php)



## **Impact expected and action suggested due to heat wave conditions** over

- Vidarbha, Rajasthan & Madhya Pradesh during next 5 days;
- Uttar Pradesh, Jharkhand, interior Gangetic West Bengal & interior Odisha during 27<sup>th</sup>-30<sup>th</sup> April;
- Punjab, Haryana-Chandigarh-Delhi during 28<sup>th</sup> April-01<sup>st</sup> May;
- Bihar during 27<sup>th</sup>-29<sup>th</sup> and over Chhattisgarh during 28<sup>th</sup>-30<sup>th</sup> April;
- Northern parts of Gujarat State on 27<sup>th</sup> & 28<sup>th</sup> April, 2022.

### **Impact expected:**

- Heat wave could lead to moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases
- Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.

### **Action suggested:**

- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Avoid heat exposure, wear lightweight, light-colored, loose, cotton clothes and cover the head by use of cloth, hat or umbrella etc.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

## Legends:

**Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

### Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

SPATIAL DISTRIBUTION (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



Heavy Rain



Strong Winds

### WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

### Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Thunderstorm with Lightning



Heat Wave