



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

**Press Release
Date: 28th April, 2022
Time of Issue: 1310 hrs IST**

Subject:

- i) Heat wave conditions over Northwest & Central India during next 5 days and over East India during next 3 days and abate thereafter.**
- 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 27/04/2022) were **43-45°C** over most parts of West Rajasthan, Vidarbha, Madhya Pradesh & East Uttar Pradesh; in some parts of East Rajasthan, Saurashtra-Kutch, interior Gangetic West Bengal & Madhya Maharashtra and in isolated pockets of Gujarat Region, Bihar, Jharkhand, northern Odisha, Chhattisgarh, Marathwada & northern parts of Telangana and Rayalaseema and **40-43°C** over most parts of Haryana-Delhi, Punjab, West Uttar Pradesh, remaining parts of Gangetic West Bengal; in remaining parts of Telangana, remaining parts of East Rajasthan & remaining parts of Gujarat Region and in isolated pockets of remaining parts of Rayalaseema.

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 2 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over most parts of East India during next 3 days and fall by about 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country.

- ✓ **Heat wave conditions:** Heat wave conditions over Northwest & Central India during next 5 days and over East India during next 3 days and abate thereafter.
 - ❖ **Heat Wave conditions** in isolated pockets over West Rajasthan during 28th-30th April with Severe Heat Wave Conditions on 01st-02nd May;
 - ❖ **Heat Wave conditions** in **some/isolated parts** over

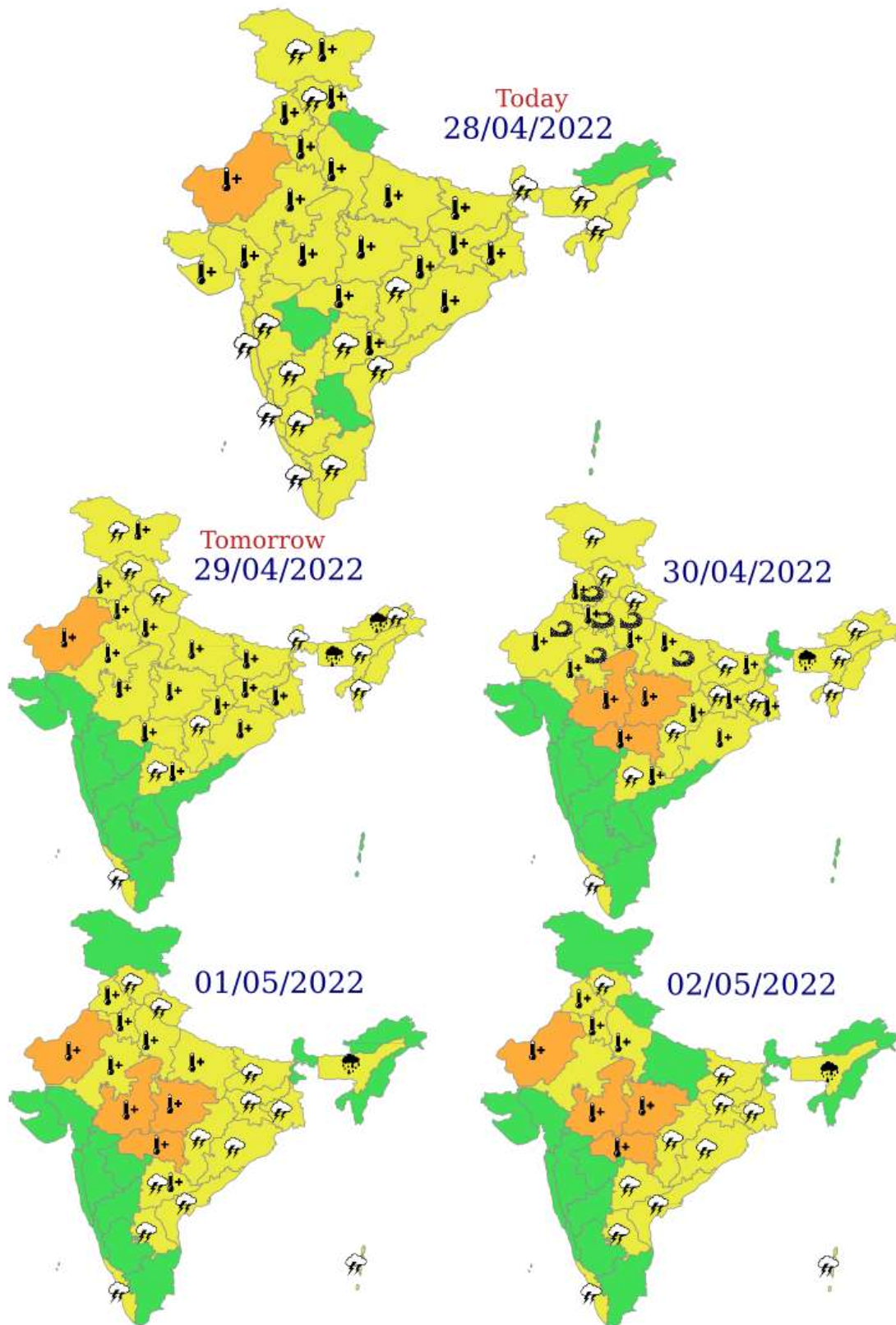
- Vidarbha, West Uttar Pradesh, Madhya Pradesh, Punjab, Haryana-Chandigarh-Delhi & East Rajasthan during next 5 days;
- East Uttar Pradesh during 28th April-01st May, Bihar, Jharkhand, interior Odisha, Chhattisgarh & Gangetic West Bengal during 28th-30th April;
- Telangana during 28th April-01st May;
- Gujarat State on 28th 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 29th 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 30th and over Assam-Meghalaya during 30th April-02nd May.
- ✓ Under the influence of a **Western Disturbance** as a trough in mid & upper tropospheric westerlies along Long. 55°E & to the north of Lat. 28°N: light/moderate isolated rainfall accompanied with **thunderstorm/lightning/gusty winds (speed reaching 30-40 kmph)** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 28th-30th & Himachal Pradesh during next 5 days and over Uttarakhand during 29th April-01st May. Isolated **hailstorm** also likely over Uttarakhand during 29th April-02nd May 2022.
- ✓ **Duststorm** very likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and Rajasthan on 30th April.
- ✓ Under the influence of another fresh Western Disturbance likely to affect Northwest India from 02nd May, 2022:
 - ❖ Light/moderate isolated/scattered rainfall accompanied with **thunderstorm/lightning** likely over Western Himalayan Region during 02nd-04th May.
 - ❖ Isolated light rainfall likely over plains of northwest India during 03rd-04th 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



Impact expected and action suggested due to Severe/heat wave conditions in some/isolated parts over

- Vidarbha, West Uttar Pradesh, Madhya Pradesh, Punjab, Haryana-Chandigarh-Delhi & Rajasthan during next 5 days;
- East Uttar Pradesh during 28th April-01st May, Bihar, Jharkhand, interior Odisha, Chhattisgarh & Gangetic West Bengal during 28th-30th April;
- Telangana during 28th April-01st May;
- Gujarat State on 28th 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