Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 23rd April, 2022
Time of Issue: 1345 hrs IST

Subject:

i) Heat wave to prevail over Gujarat state during 23rd -27th April, likely to expand to cover more parts of the plains of northwest and central India from 25th April, 2022.

ii) Rain/Thunderstorm accompanied with lightning/gusty winds over Northeast India during 23rd -27th April, 2022.

Weather observed during past 24 hours:

- ✓ **Maximum Temperatures** (as on 22/04/2022) were **40-42°C** in many parts of West Rajasthan, Gujarat state, Vidarbha, Marathwada and West Madhya Pradesh and in some parts of Madhya Maharashtra, Rayalaseema, East Madhya Pradesh, East Rajasthan, Uttar Pradesh, Bihar and Jharkhand.
- ✓ Isolated **hailstorm** observed over Uttarakhand, Madhya Maharashtra, Konkan & Goa and Telangana.

Maximum Temperature forecast and Heat Wave warning:

- ❖ No large change in maximum temperatures over most parts of Northwest India during the next two days and gradual rise by 3-4°C thereafter.
- ❖ Rise in maximum temperatures by 2-3°C over Gujarat state during the next two days and no large change thereafter.
- ❖ Rise in maximum temperatures by 3-4°C over Madhya Pradesh during the next three days and no large change thereafter.
- ❖ No large change in maximum temperatures over Vidarbha and Maharashtra during next one to two days and rise by 2-4°C thereafter
- ❖ Rise in maximum temperatures by 3-4°C over East India during the next three days and no large change 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 Gujarat state during next 5 days; over south Uttar Pradesh, Madhya Pradesh, Madhya Maharashtra, Bihar, Jharkhand, Odisha, Gangetic West Bengal during 25th -27th; over Rajasthan, south Haryana, Vidarbha during 26th-27th April, 2022.

Rainfall/thunderstorm Forecast & Warnings:

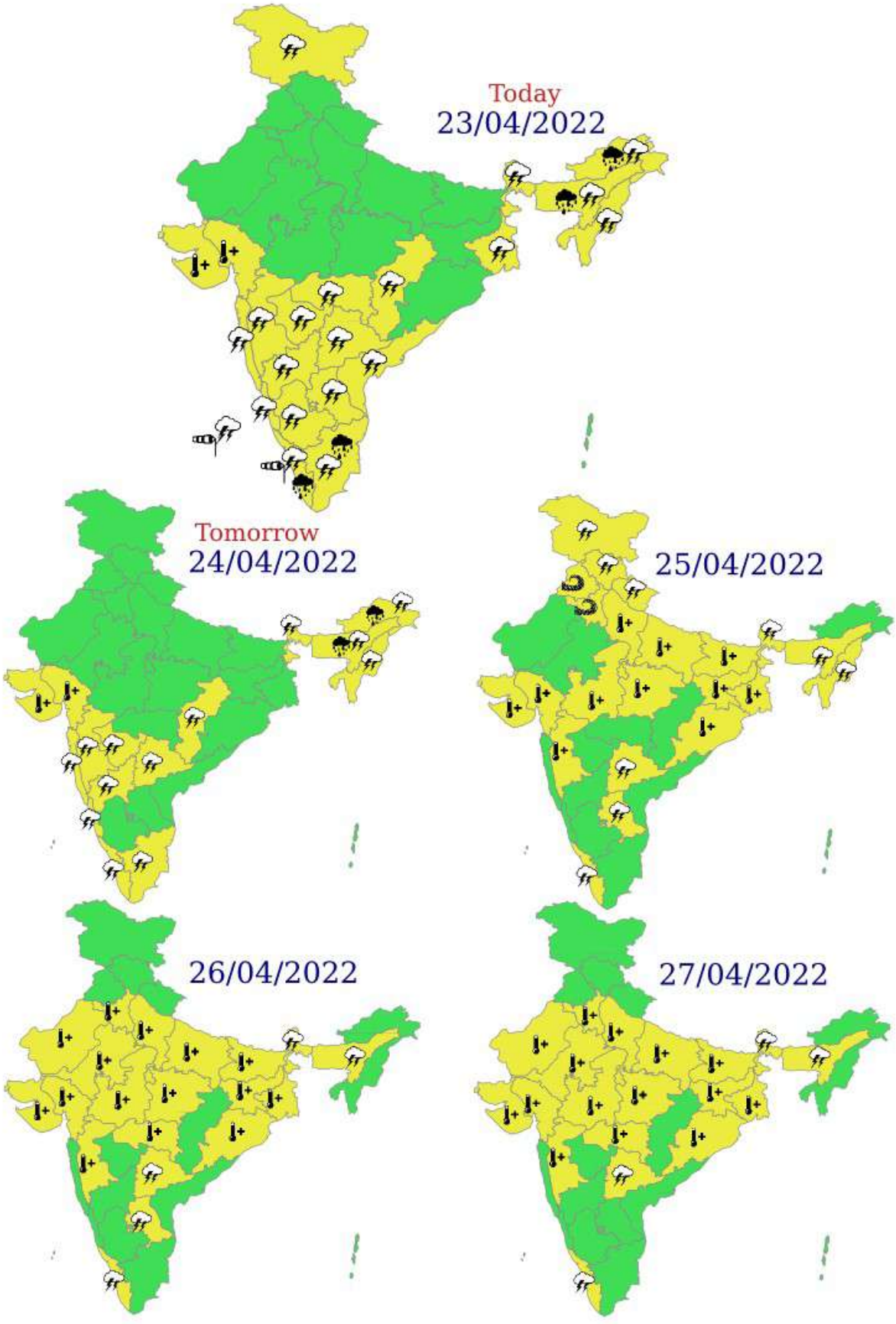
- ✓ Under the influence of strong southwesterly winds from Bay of Bengal to northeastern States at lower tropospheric levels:
  - ❖ Fairly widespread/widespread rainfall very likely over Arunachal Pradesh, Assam-Meghalaya, Nagaland-Manipur-Mizoram-Tripura and scattered rainfall over Sub-Himalayan West Bengal & Sikkim during next 5 days accompanied by **isolated heavy rainfall** over Arunachal Pradesh, Assam and Meghalaya during next two days.
  - ❖ T**hunderstorm/lightning/gusty winds (speed reaching 30-50 kmph)** at isolated places very likely over Sub Himalayan West Bengal, Sikkim, Assam, Meghalaya during next five days and over Arunachal Pradesh, Nagaland-Manipur-Mizoram-Tripura during next two to three days.

- ✓ On account of the trough/wind discontinuity across central and peninsular India in the lower tropospheric levels during afternoon hours:
  - ❖ Isolated to scattered rainfall with **thunderstorm/lightning/gusty winds (speed reaching 30-40 kmph)** very likely over Kerala, Telengana during next 5 days; over Andhra Pradesh, Karnataka and Tamil Nadu during next two days; Chhattisgarh during next two days; over Vidarbha & Gangetic West Bengal during next 24 hours. Isolated **hailstorm** also likely over south Madhya Maharashtra today, the 23rd April 2022.

- ✓ Under the influence of the cyclonic circulation over Sri Lanka in lower tropospheric levels:
  - ❖ **Isolated heavy rainfall** likely over south Tamilnadu & south Kerala on 23nd April, 2022.

- ✓ Under the influence of the fresh Western Disturbance as a trough in middle tropospheric westerlies which is likely to affect the Indian region from 25th April:
  - ❖ Light isolated to scattered rainfall accompanied with isolated **thunderstorm/lightning** very likely over Western Himalayan Region and Duststorm/thunderstorm over adjoining plains of Punjab and Haryana on 25th April, 2022.

For more details refer:
https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php


Today
23/04/2022
Tomorrow
24/04/2022
25/04/2022
26/04/2022
27/04/2022

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 Widespred (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