



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

**Press Release
Date: 04th March, 2023
Time of Issue: 1330 hours IST**

Subject: Thunderstorm activity likely over Rajasthan, Madhya Pradesh, Chhattisgarh, Maharashtra, and Gujarat during 04th-08th March.

Weather observed during past 24 hours ending at 0830 hrs IST of today:

- ❖ **Maximum Temperatures** are in the range of 28-32°C over most parts of Punjab, Haryana, Chandigarh & Delhi, west Uttar Pradesh and north Rajasthan and 32-35°C over most parts of south Rajasthan, east Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand and Gangetic West Bengal. These are 2-5°C above normal over the region.
- ❖ **Maximum Temperatures** are in the range of 36-38°C over many parts of Gujarat, south Konkan & Goa, Vidarbha, Coastal Karnataka, Kerala and interior Odisha. These are 3-5°C above normal at many places over Gujarat and south Konkan & Goa and at a few places over coastal Karnataka.
- ❖ Yesterday, **Heat wave** prevailed at **isolated places** over Coastal Karnataka.
- ❖ **Light rainfall/snowfall** observed at **isolated places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh. **Light rainfall** observed at **a few places** over Andaman & Nicobar Islands and at **isolated places** over Rajasthan, West Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.

Weather Forecast and Warnings (Annexure I):

- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along Long. 62°E to the north of Lat. 20°N and an induced circulation over north Gujarat in lower levels. A fresh feeble western disturbance as a trough in middle tropospheric westerlies likely to affect northwest, west and central India region from 07th March, 2023.
- ❖ Under their influence:
 - Light isolated to scattered rainfall/snowfall very likely over Western Himalayan Region on 04th & 05th March 2023. Dry weather likely over the region thereafter.
 - Isolated light/moderate thunderstorm activity also likely over south Haryana on 04th; West Rajasthan on 04th & 05th; over East Rajasthan, West Madhya Pradesh, Gujarat, Marathwada and Madhya Maharashtra during 04th-08th; over Vidarbha during 05th-08th; over East Madhya Pradesh and Chhattisgarh on 07th & 08th March, 2023.
 - Isolated **Thunderstorm accompanied with Hailstorm** likely over West Madhya Pradesh, Vidarbha, north Madhya Maharashtra and Marathwada on 07th March, 2023.
- ❖ **Strong surface winds** (speed 20-30 kmph) very likely over the plains of Northwest India during next 2 days.

Heat Wave and Maximum Temperatures Forecast:

- ❖ **Peninsular India: Heat wave conditions** very likely in isolated pockets over Coastal Karnataka on 04th March. No significant change in maximum temperatures over Peninsular India during next 4-5 days except Coastal Karnataka where maximum temperatures likely to fall about 2°C from 05th March.
- ❖ **West India:** No significant change in maximum temperatures over Maharashtra during next 2 days and fall by about 2-3°C thereafter. Maximum Temperatures likely to be above normal by 3-4°C over Maharashtra and Gujarat coasts during next 2 days.
- ❖ **Central India:** No significant change in maximum temperatures during next 2 days and fall by

about 2-3°C thereafter.

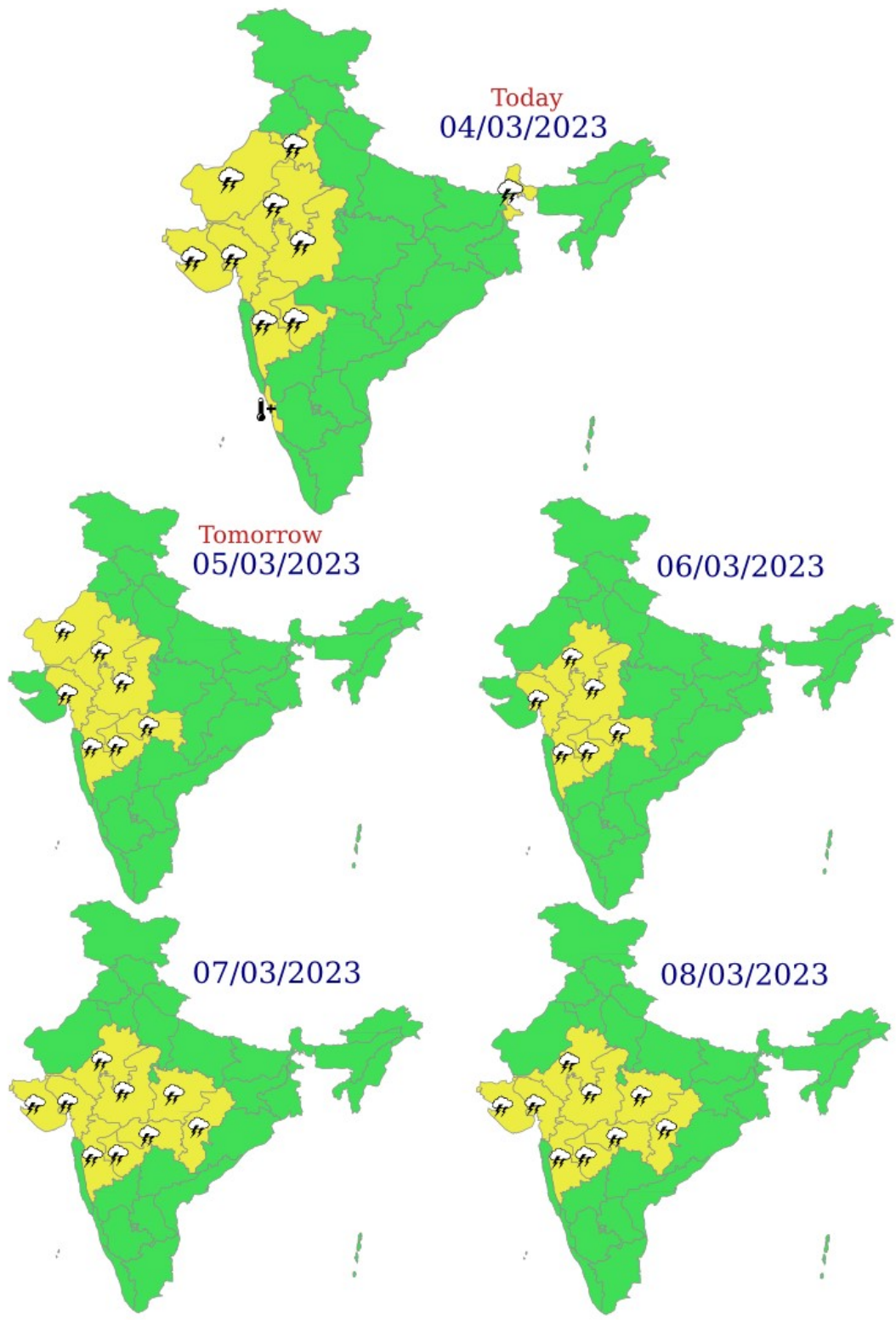
- ❖ No significant change in maximum temperatures over rest parts of the country during next 5 days.

For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forcast_bulletin.php

Impacts and action suggested at the time of occurrence of thunderstorms. thunderstorm activity likely over Rajasthan, Madhya Pradesh, Chhattisgarh, Maharashtra, and Gujarat during 04th-08th March.

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.
- Farming operations may be suspended during the event.



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)

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

 Heavy Rain	 Heavy Snow	 Thunderstorm	 Dust Storm
 Strong Winds	 Visibility	 Cyclone	 Squall/ Hail
 Frost	 Cold Wave	 Heat Wave	 Sea State