



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

**Press Release  
Date: 09<sup>th</sup> March, 2023  
Time of Issue: 1200 hours IST**

**Subject: (i) Isolated Rain/thunderstorm activity very likely over parts of East India during 09<sup>th</sup>-11<sup>th</sup> March, 2023.  
(ii) A fresh Western Disturbance likely to cause isolated/scattered rainfall & thunderstorm activity over Western Himalayan Region from the night of 12<sup>th</sup> to 14<sup>th</sup> March, 2023.**

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

- ❖ **Maximum Temperatures** are in the range of 37-39°C over many parts of Goa and Coastal Karnataka; at isolated places over Saurashtra & Kutch and Vidarbha; 35-37°C over many parts of Vidarbha and Gujarat Region; some parts of Tamil Nadu, Kerala, Konkan, Saurashtra & Kutch, Coastal Andhra Pradesh, Telangana & Odisha; at isolated places over Rayalaseema and West Madhya Pradesh and 30-35°C over rest parts of the country except Western Himalayan Region and parts of Haryana, East Rajasthan, Bihar and Northeast India.
- ❖ **Maximum Temperatures** are above normal by 4-6°C over many parts of Jammu Division & Coastal Karnataka and some parts of Goa; above normal by 2-4°C over many parts of Punjab and some parts of Kerala, Konkan, Gujarat State, Delhi, Uttar Pradesh, Himachal Pradesh, Gangetic West Bengal and Northeast India. These are below normal by 2-4°C over many parts of Bihar and some parts of Telangana and Rayalaseema and near normal over rest parts of the country.
- ❖ Yesterday, **heat wave conditions** prevailed over some parts of Goa.
- ❖ **Light to moderate rainfall/snowfall** observed at a few places over Himachal Pradesh and at isolated places over Uttarakhand. **Light/moderate rainfall/thundershowers** observed at a few places over East Rajasthan and West Madhya Pradesh and at isolated places over Punjab, Haryana, Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Arunachal Pradesh, Gujarat Region and Madhya Maharashtra.
- ❖ **Hailstorm** observed at a few places over Himachal Pradesh and East Rajasthan.

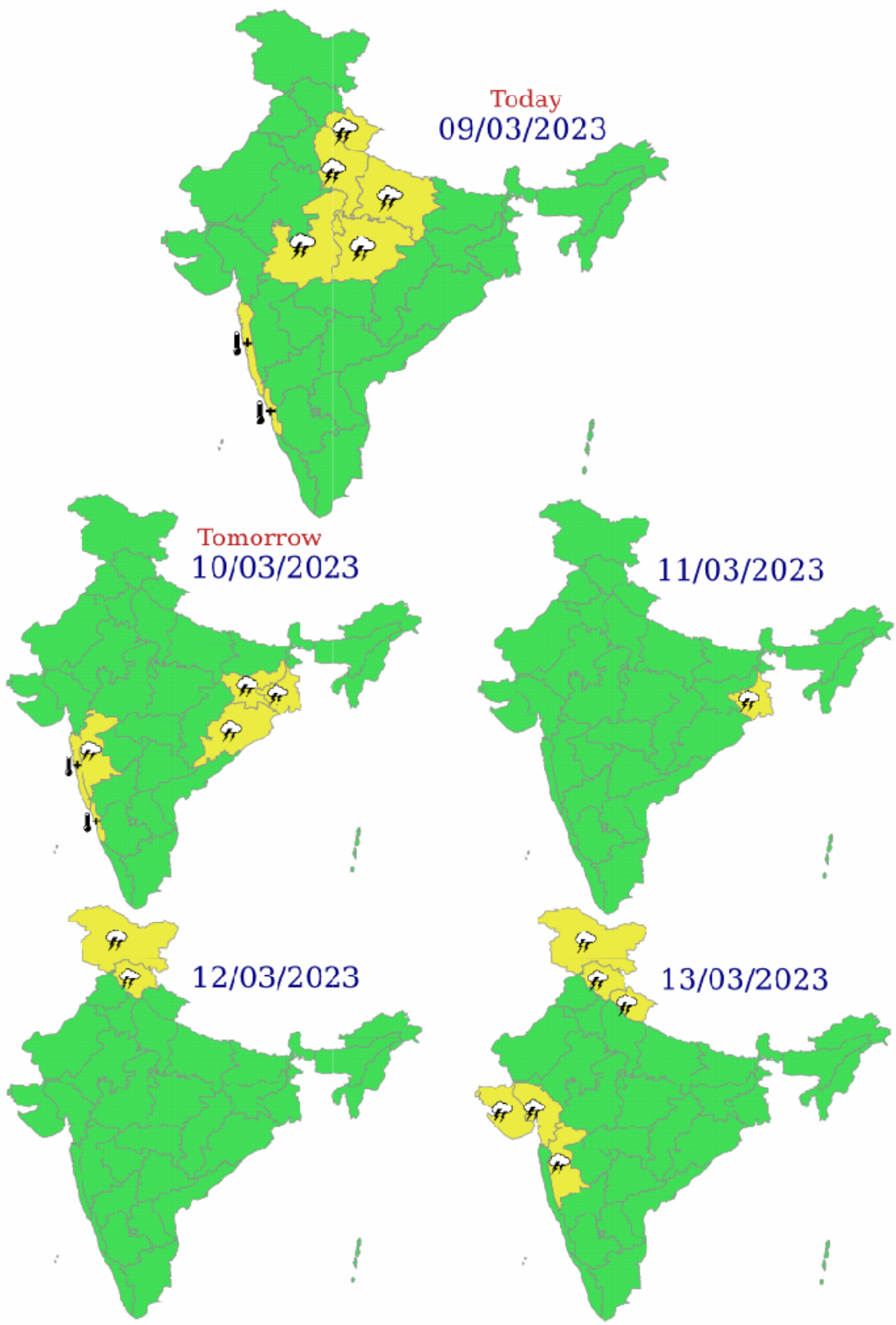
**Weather Forecast and Warnings (Annexure I):**

- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along Long. 77°E to the north of Lat. 23°N and a cyclonic circulation lies over northwest Madhya Pradesh & neighbourhood in lower levels.
- ❖ Under their influence:
  - Isolated light rainfall activity with **thunderstorm & lightning** very likely over Uttarakhand, south Uttar Pradesh, northeast Rajasthan and north Madhya Pradesh on 09<sup>th</sup>; over Chhattisgarh, Jharkhand, Gangetic West Bengal & Odisha during 09<sup>th</sup>-11<sup>th</sup>; over Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh during 09<sup>th</sup>-13<sup>th</sup> March, 2023.
  - **Thunderstorm with hail** very likely at isolated places over Uttarakhand on 09<sup>th</sup>; **with gusty winds (speed 30-40 kmph)** at isolated places over north Madhya Pradesh on 09<sup>th</sup> and Jharkhand on 10<sup>th</sup> March, 2023.
- ❖ A fresh **Western Disturbance** likely to affect Western Himalayan Region from the night of 12<sup>th</sup> March, 2023. Under its influence; isolated to scattered rainfall with thunderstorm activity likely over Western Himalayan Region during 12<sup>th</sup>-14<sup>th</sup> March, 2023.

**Maximum Temperatures Forecast and Heat Wave warnings during next 5 days:**

- ❖ **Heat wave conditions** very likely to occur at isolated places over south Konkan, Goa and Coastal Karnataka on 09<sup>th</sup> & 10<sup>th</sup> March, 2023.
- ❖ **Northwest India:** Gradual rise change in Maximum Temperatures by 2-3°C very likely during next 4 days and fall by 2-3°C thereafter.
- ❖ **West India:** No significant change in Maximum Temperatures very likely during next 24 hours and gradual rise by 2-4°C thereafter during 10<sup>th</sup>-13<sup>th</sup> March.
- ❖ **Central India:** Gradual rise change in Maximum Temperatures by 2-4°C very likely during next 5 days.
- ❖ **Rest parts of the Country:** No significant change in Maximum Temperatures very likely during next 5 days.

For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)



**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:**
  - **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.
  - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
  - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
  - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
  - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
  - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

<b>SPATIAL DISTRIBUTION</b> (% 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