



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

**Press Release  
Date: 11<sup>th</sup> March, 2023  
Time of Issue: 1315 hours IST**

**Subject: (i) Isolated Rain/thunderstorm activity very likely over East India during next 24 hours.  
(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.  
(iii) Wet spell likely over South, Central and East India during 15<sup>th</sup>-17<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 37-38<sup>o</sup>C at a few places over Saurashtra & Kutch and Coastal Karnataka; at isolated places over Konkan & Goa; 35-37<sup>o</sup>C at many places over Gujarat Region, Vidarbha and Kerala & Mahe; at a few places over West Rajasthan, Marathwada, Andhra Pradesh; at isolated places over West Madhya Pradesh, Chhattisgarh, Odisha and North Interior Karnataka and 30-35<sup>o</sup>C over rest parts of the country except Western Himalayan Region.
- ❖ **Maximum Temperatures** are above normal by 4-6<sup>o</sup>C at many places over Jammu & Kashmir, Punjab, West Rajasthan, coastal areas of Saurashtra & Kutch, Konkan & Goa and Coastal Karnataka; at isolated places over Himachal Pradesh, Arunachal Pradesh and Assam; above normal by 2-4<sup>o</sup>C at many places over Haryana, Chandigarh & Delhi and Bihar; at isolated places over Uttar Pradesh, West Bengal, Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh and Kerala.
- ❖ Yesterday, **heat wave conditions** observed at isolated pockets of Konkan.
- ❖ **Light/Moderate rainfall/thundershowers** observed at a few places over Gangetic West Bengal; at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Odisha, Jharkhand, Bihar and Chhattisgarh.
- ❖ **Significant amount of rainfall recorded ( $\geq 1$  cm): Gangetic West Bengal:** Asansol & Bankura (dist Burdwan) 2 each, Panagarh & Luchipur (dist Burdwan) 1 each; **Sikkim:** Karbi (dist North Sikkim) 2; **Chhattisgarh:** Darbha (dist Bastar) 2, Bastar (dist Bastar) 1.
- ❖ **Hailstorm** observed at isolated places over Jharkhand and Gangetic West Bengal.

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

- ❖ The **trough in westerlies** now runs from north Bihar to South Interior Karnataka across Chhattisgarh, Vidarbha, Telangana and North Interior Karnataka in middle tropospheric levels. Under its influence:
  - Isolated light rainfall activity with **thunderstorm, lightning & gusty winds (speed 30-40 kmph)** very likely over West Bengal & Sikkim and Jharkhand and with **thunderstorm & lightning** over West Assam, Odisha and Bihar on 11<sup>th</sup> March, 2023.

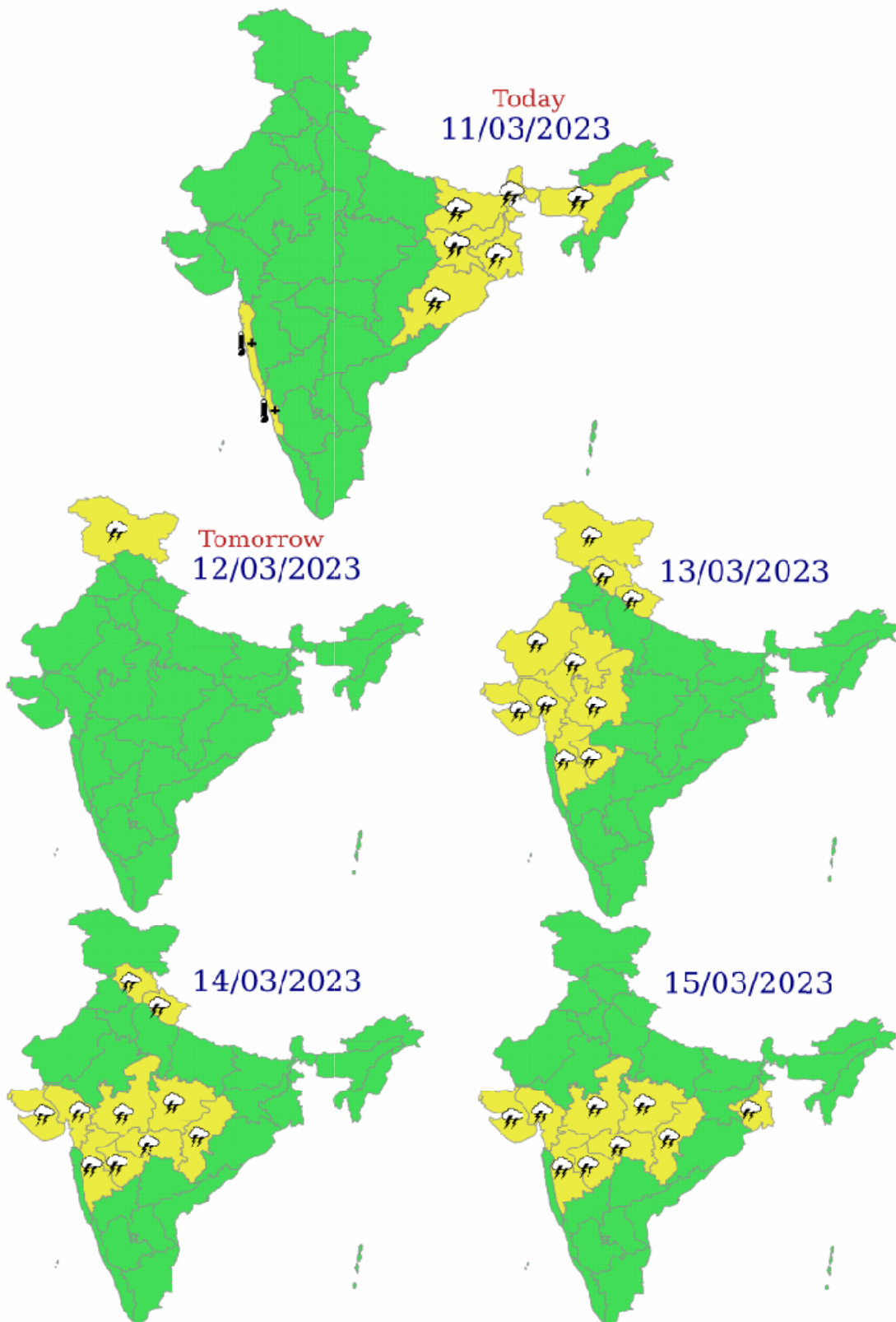
- ❖ A fresh **Western Disturbance** as a trough in westerlies in middle & upper tropospheric levels runs roughly along Long. 53°E and to the north of 28°N. Under its influence:
  - Isolated to scattered rainfall with thunderstorm activity very likely over Western Himalayan Region during 12<sup>th</sup>-15<sup>th</sup> and over Rajasthan on 13<sup>th</sup> & 14<sup>th</sup> March, 2023.
  - Isolated thunderstorm with **lightning & hail** very likely over Uttarakhand on 13<sup>th</sup> & 14<sup>th</sup> and with **lightning** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad on 12<sup>th</sup> & 13<sup>th</sup>; over Himachal Pradesh on 13<sup>th</sup> & 14<sup>th</sup> and over Rajasthan on 13<sup>th</sup> March, 2023.
- ❖ Isolated light rainfall activity with **thunderstorm, lightning & gusty winds (speed 30-40 kmph)** very likely over West Madhya Pradesh during 13<sup>th</sup>-15<sup>th</sup> and with **thunderstorm & lightning** over Gujarat State, Madhya Maharashtra and Marathwada during 13<sup>th</sup>-15<sup>th</sup> and over East Madhya Pradesh, Vidarbha & Chhattisgarh on 14<sup>th</sup> & 15<sup>th</sup> March, 2023.
- ❖ Due to likely interaction of mid & upper tropospheric westerly trough with lower level easterly winds over central parts of Peninsular India and East India: Scattered to fairly widespread light/moderate rainfall likely over north interior Tamil Nadu, Andhra Pradesh, Interior Karnataka, east Gujarat, Maharashtra, Madhya Pradesh, Odisha, West Bengal and Jharkhand during 15<sup>th</sup>-17<sup>th</sup> March, 2023.

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

- ❖ **Heat wave conditions very likely to occur in isolated pockets over Konkan and Coastal Karnataka on 11<sup>th</sup> March, 2023.**
- ❖ **Northwest India:** Gradual rise in Maximum Temperatures by 2-3<sup>o</sup>C very likely during next 2 days and no significant change thereafter during subsequent 3 days.
- ❖ **West India:** No significant change in Maximum Temperatures very likely over Maharashtra during next 24 hours and fall by 2-3<sup>o</sup>C thereafter during subsequent 4 days.
- ❖ **Central India:** Gradual rise in Maximum Temperatures by 2-3<sup>o</sup>C very likely during next 3 days and fall by 2-3<sup>o</sup>C thereafter.
- ❖ **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

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