



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

**Press Release**

**Date: 20<sup>th</sup> February, 2023**

**Time of Issue: 1245 hours IST**

**Subject: Light to moderate rainfall/thundershower over northeastern states from 21<sup>st</sup> to 23<sup>rd</sup> with possibility of isolated heavy falls over Arunachal Pradesh on 21<sup>st</sup> & 22<sup>nd</sup> February, 2023. No significant weather over rest parts of the country during next 4-5 days.**

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

- ❖ **Maximum temperatures** are in the range of 36-38°C over many parts of Gujarat, Rajasthan and Konkan Region. They are markedly above normal at most places over Gujarat and Rajasthan; at many places over western Himalayan region.
- ❖ **Minimum Temperatures Departures** are markedly above normal at many places over Punjab, Himachal Pradesh and West Rajasthan.
- ❖ **Light rainfall** observed at many places over Sub-Himalayan West Bengal & Sikkim and at isolated places over Himachal Pradesh, Arunachal Pradesh, Assam & Meghalaya and Nagaland.

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

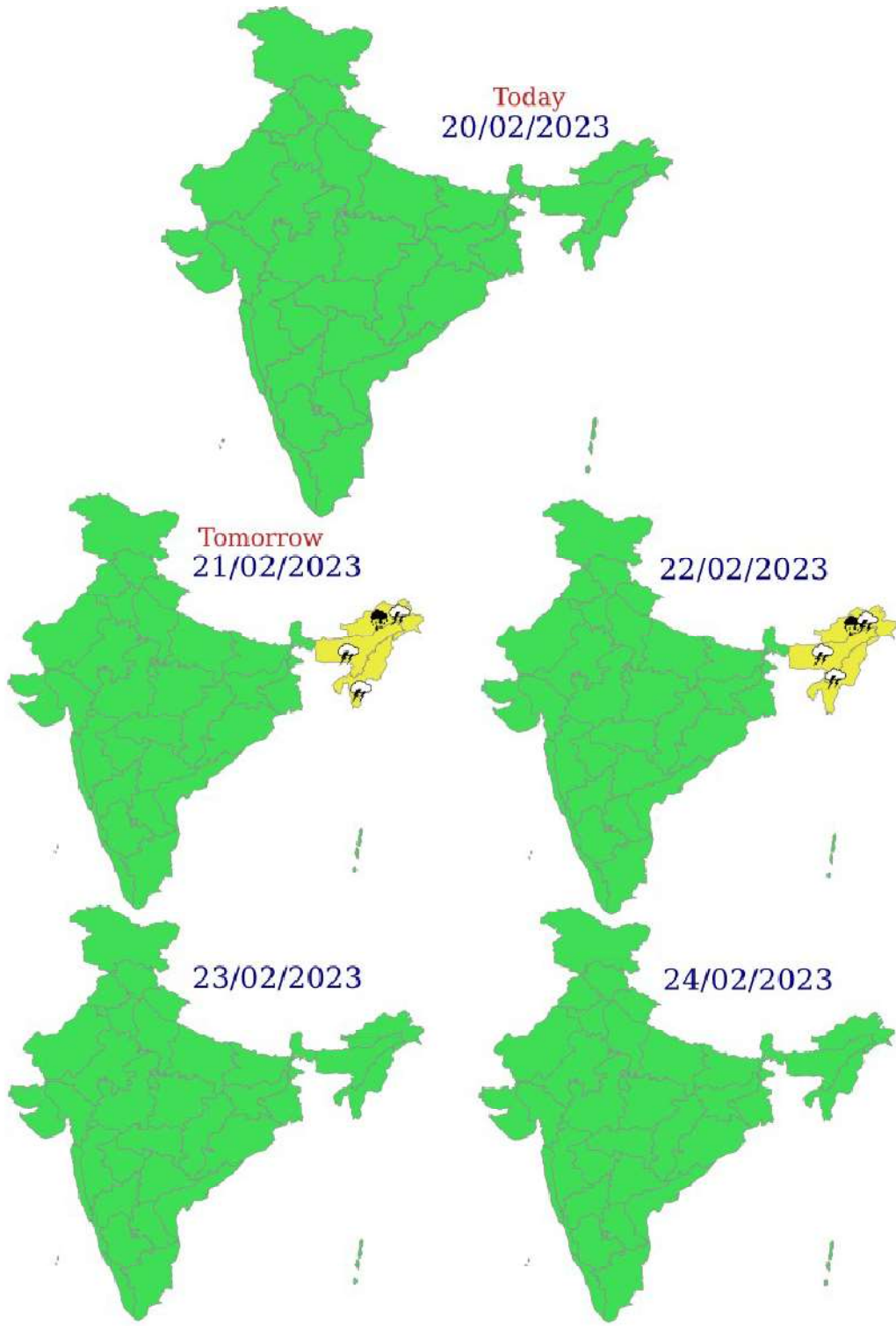
- ❖ Due to southwesterly winds from Bay of Bengal over Northeastern States at lower tropospheric levels,
  - ✓ Light to moderate scattered to widespread rainfall very likely over Arunachal Pradesh and light isolated to scattered rainfall over Assam & Meghalaya and Nagaland & Manipur during next 5 days and over Sub-Himalayan West Bengal & Sikkim during next 3 days.
  - ✓ **Isolated heavy rainfall** also very likely over Arunachal Pradesh on 21<sup>st</sup> & 22<sup>nd</sup> February.
  - ✓ **Isolated thunderstorm** with lightning very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland & Manipur on 21<sup>st</sup> & 22<sup>nd</sup> February.
- ❖ A Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 65°E and north of Lat. 30°N and an induced cyclonic circulation lies over Punjab & adjoining north Pakistan in lower tropospheric levels. Under their influence;
  - ✓ Light to moderate scattered to fairly widespread rainfall/snowfall very likely over Western Himalayan Region during next 24 hours and light isolated rainfall/snowfall during subsequent 24 hours.
  - ✓ Light isolated rainfall very likely over north Punjab during next 24 hours.
- ❖ **No significant weather very likely over rest parts of the country during next 5 days.**

**Maximum Temperatures Forecast:**

- ❖ Maximum temperatures are very likely to be in the range of 36-38°C over many parts of Gujarat state during next 24 hours.
- ❖ Maximum Temperatures are very likely to fall by 2-3 over West India during next 3 days and no significant change thereafter.
- ❖ No significant change in maximum Temperatures very likely 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\\_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:**

- 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.

<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>