

Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 23rd February, 2024

Time of Issue: 1320 hours IST

**Subject: (i) Fresh spell of enhanced rainfall activity accompanied with thunderstorm, lightning likely over Central India on 26th & 27th February, 2024.
(ii) Fresh spell of rainfall/snowfall likely over Western Himalayan Region on 26th & 27th February, 2024.**

Realised weather during past 24 hours till 0830 hours IST of today:

- ❖ **Hailstorm** recorded at isolated places over Jharkhand and West Madhya Pradesh.
- ❖ **Light to moderate rainfall/snowfall** occurred at most places with isolated **heavy rainfall/snowfall** over Arunachal Pradesh and **Light to moderate rainfall/snowfall** at a few places over Sikkim; at isolated places over Himachal Pradesh and Uttarakhand.
- ❖ **Heavy rainfall** occurred at isolated places over Assam and Tripura.
- ❖ **Light to moderate rainfall** at many places over Gangetic West Bengal; at a few places over Bihar; at isolated places over Uttar Pradesh, East Rajasthan, Madhya Pradesh, Odisha and Tamil Nadu. (refer Annexure I)

Weather Systems and Forecast & Warnings during next 5 days: (graphics in Annexure II)

- ❖ A fresh **Western Disturbance** seen as a trough in middle tropospheric westerlies runs roughly along Long. 65°E to the north of Lat. 32°N. Under its influence:
 - Isolated light rainfall/snowfall very likely over Western Himalayan Region during 23rd – 25th February, 2024.
 - Scattered to fairly widespread light to moderate rainfall/snowfall accompanied with **thunderstorms & lightning** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 26th; over Himachal Pradesh and Uttarakhand on 26th & 27th February, 2024.
- ❖ **Jet Stream Winds** with maximum speed upto 145 knots prevail over northeast India at 12.6 km above mean sea level. High moisture incursion from Bay of Bengal into Northeast India in the lower levels is likely during next 24 hours. Under their influence:
 - Scattered to fairly widespread light/moderate rainfall/snowfall with thunderstorms, lightning very likely over Arunachal Pradesh, Sikkim and light/moderate rainfall over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 23rd and isolated to scattered light/moderate rainfall over the region on 24th & 25th February, 2024.

- **Isolated heavy rainfall/snowfall** also very likely over Arunachal Pradesh and Sikkim on 23rd February, 2024.
- ❖ A **cyclonic circulation** lies over south Telangana and a trough runs from this cyclonic circulation to south Tamil Nadu and another **cyclonic circulation** lies over south Chhattisgarh in lower tropospheric levels. The anti-cyclone in the lower levels over the Bay of Bengal is likely to strengthen during the next few days. Under their influence:
 - Isolated light to moderate rainfall very likely over West Bengal, Odisha and Jharkhand during 23rd- 27th February, 2024.
 - Scattered to fairly widespread light to moderate rainfall accompanied with **thunderstorms & lightning** with **gusty winds** (speed reaching 30-40 kmph gusting to 50 kmph) very likely at isolated places over Chhattisgarh, Vidarbha, Madhya Pradesh on 26th & 27th February, 2024.
 - **Hailstorm activity** also very likely at isolated places over Madhya Pradesh, Chhattisgarh and Jharkhand on 26th February, 2024.
- ❖ **Hot and humid weather very likely to prevail over Rayalaseema on 23rd and over Kerala on 23rd & 24th February, 2024.**

Minimum Temperature Forecast:

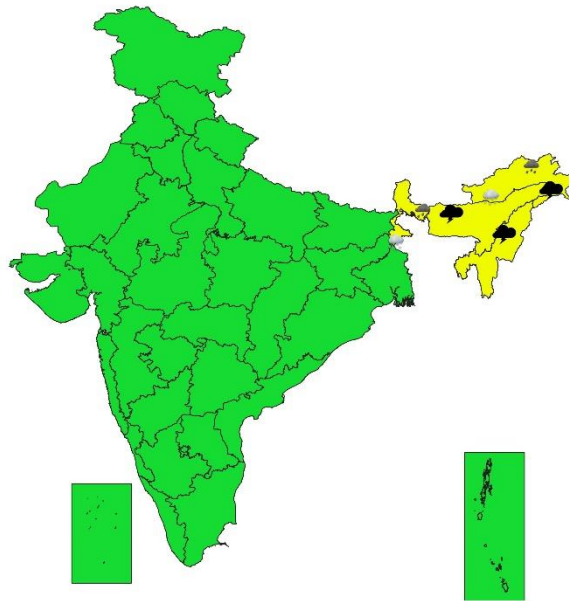
- ❖ No significant change in minimum temperatures likely over Northwest & Central India during next 2 days and rise by 2-3 °C thereafter.
- ❖ No significant change in minimum temperatures very likely over rest parts of the country during next 5 days.

For more details, kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

ANNEXURE I

Significant rainfall (from 0830 hours IST of yesterday to 0830 hours IST of today) (in cm):
Arunachal Pradesh: Boleng: 8, **Assam:** Gharmura: 7; **Tripura:** Manughat 8, Kailashahar, Dhalai, A.D Nagar, DM-Office and CTI Panisagar 7 each, AD Nagar and Kailashahar 6 each.

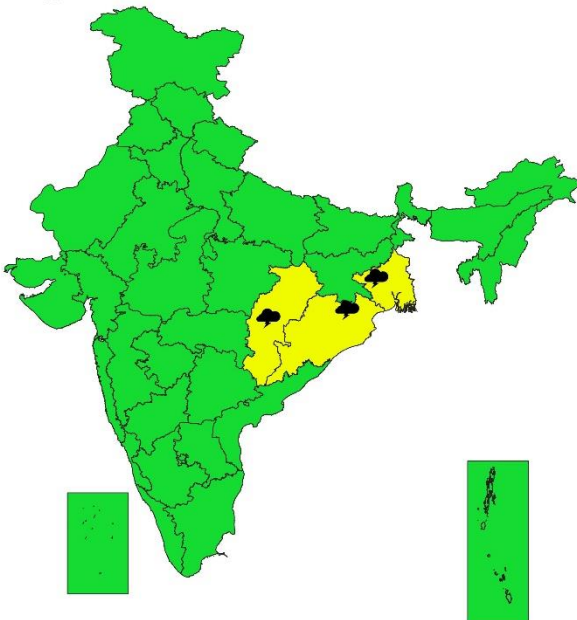
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
23-02-2024



Subdivision Warning



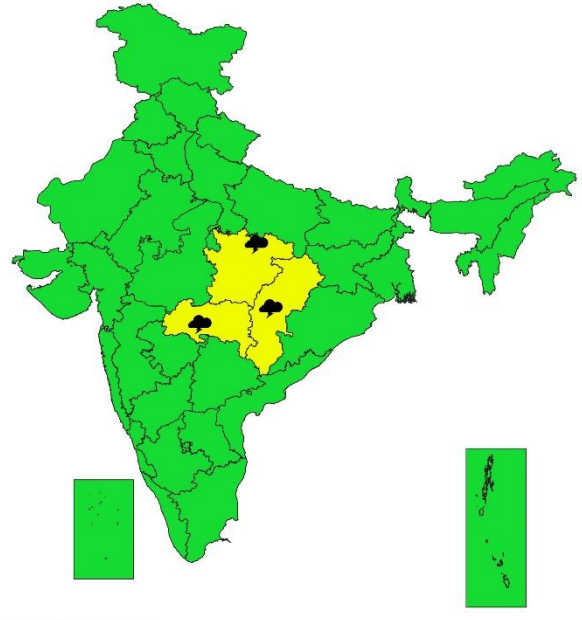
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
24-02-2024



Subdivision Warning



SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
25-02-2024

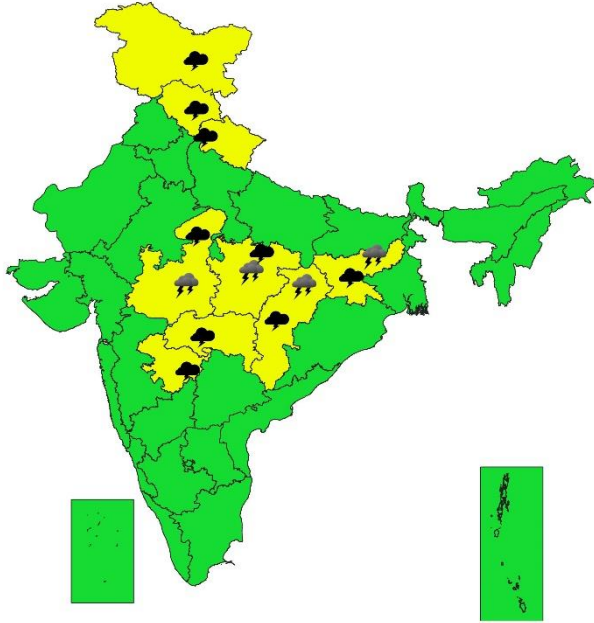


Subdivision Warning





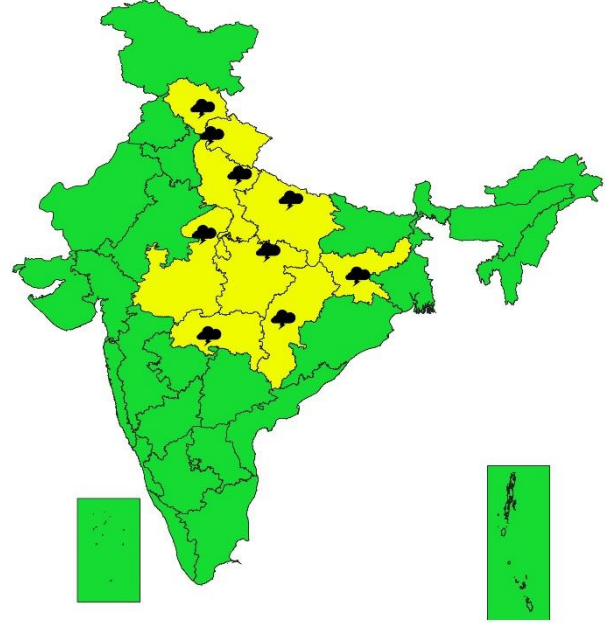
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4 26-02-2024



Subdivision Warning



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5 27-02-2024



Subdivision Warning



Impact & Action Suggested due to heavy rainfall/snowfall over Arunachal Pradesh and Sikkim on 23rd February, 2024.

Impacts Expected:

- Disruption of Electricity.
- Landslide, rock fall and mudslides, Blocking/washout of roads/highways/bridges Nallahs.
- Disruption of traffic flow.
- Damage to Kuccha and unsecured structures.














Action Suggested:

- Avoid roadway underpasses, drainage ditches, low lying areas and areas where water collects – they can unexpectedly flood or overflow.
- Stay away from power lines or electrical wires.
- Don't stay in kuchcha houses during heavy rainfall as it may collapse anytime soon
- Drive carefully.




Legends & abbreviations:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office.
- ❖ **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.

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)

Subdivision Warning	 Dust Storm	Subdivision color
 Heavy Rain	 Strong Surface Winds	 NO WARNING
 Heavy Snow	 Heat Wave	 WATCH(BE UPDATED)
 Thunderstorms & Lightning	 Cold wave	 ALERT (BE PREPARED)
 Hailstorm	 Fog	 WARNING (TAKE ACTION)

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

Flash Flood Risk	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)