



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

**Press Release**  
**Date: 07<sup>th</sup> December, 2023**  
**Time of Issue: 1230 hours IST**

**Subject: A fresh spell of rainfall with isolated heavy falls likely over south Peninsular India from 08<sup>th</sup> December.**

**Realized weather during past 24 hours till 0830 hours IST of today: (Refer Annexure I)**

**Weather systems**

- Yesterday's Well Marked Low Pressure Area over Northeast Telangana & adjoining south Chhattisgarh-south Interior Odisha-Coastal Andhra Pradesh weakened into Low Pressure Area at 1430 hours IST of yesterday, the 06<sup>th</sup> December and became less marked at 0530 hours IST of today, the 07<sup>th</sup> December. However, the associated Cyclonic Circulation now lies over south Chhattisgarh & adjoining Vidarbha in lower tropospheric levels.
- The Western Disturbance seen as a Cyclonic Circulation over Haryana & neighbourhood in lower tropospheric levels with a trough aloft in middle tropospheric levels roughly along Long. 75°E to the north of Lat. 28°N.
- A Cyclonic Circulation lies over southeast Arabian Sea & neighbourhood in lower tropospheric levels.
- A fresh Western Disturbance is likely to affect Northwest India from 11<sup>th</sup> December.

**Rainfall Warning (graphics in Annexure II):**

- Light to moderate rainfall at many places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on today, the 07<sup>th</sup> December and decrease thereafter; isolated **heavy rainfall** is also likely over Nagaland, Manipur, Mizoram & Tripura on today, the 07<sup>th</sup> December.
- Light to moderate rainfall at some places with isolated thunderstorm & lightning very likely over Kerala & Mahe during next 5 days and over Tamil Nadu, Puducherry & Karaikal and Lakshadweep during next 3 days.
- Isolated **heavy rainfall** also very likely over Kerala and Tamil Nadu on 08<sup>th</sup> & 09<sup>th</sup> December and over Lakshadweep on 08<sup>th</sup> December.

**Dense fog warning:**

- **Dense fog** during morning hours very likely in isolated pockets over Punjab and Haryana-Chandigarh on 08<sup>th</sup> & 09<sup>th</sup> December and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 09<sup>th</sup> & 10<sup>th</sup> December.

## Minimum Temperatures Forecast

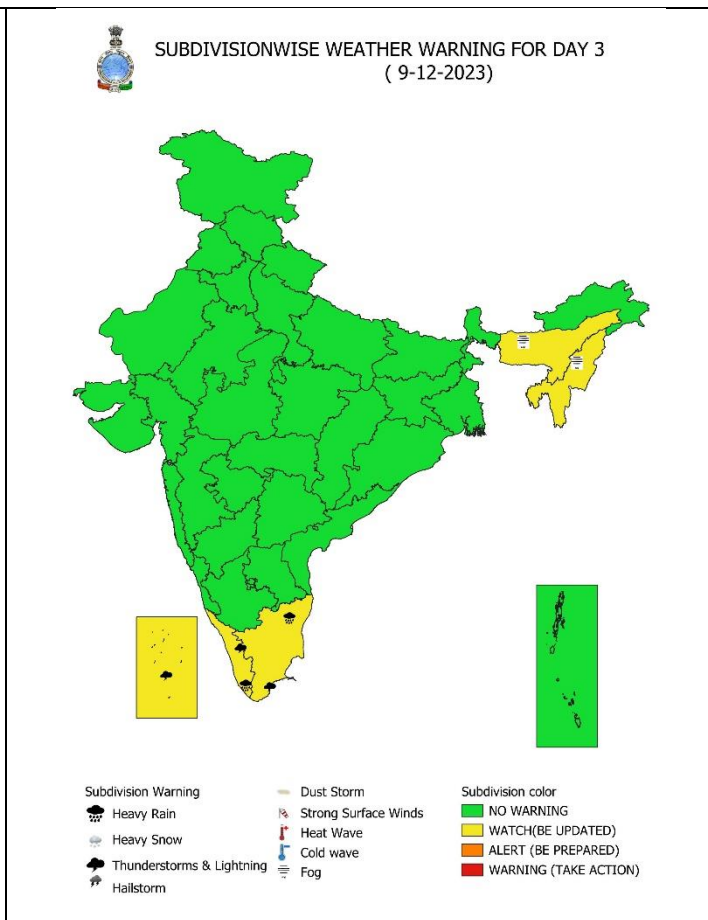
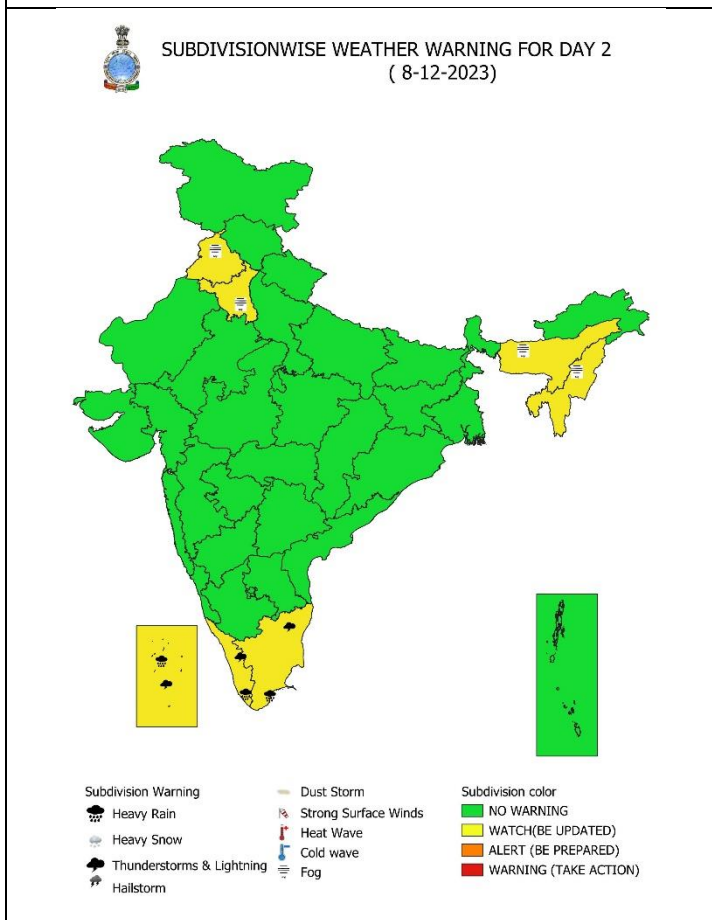
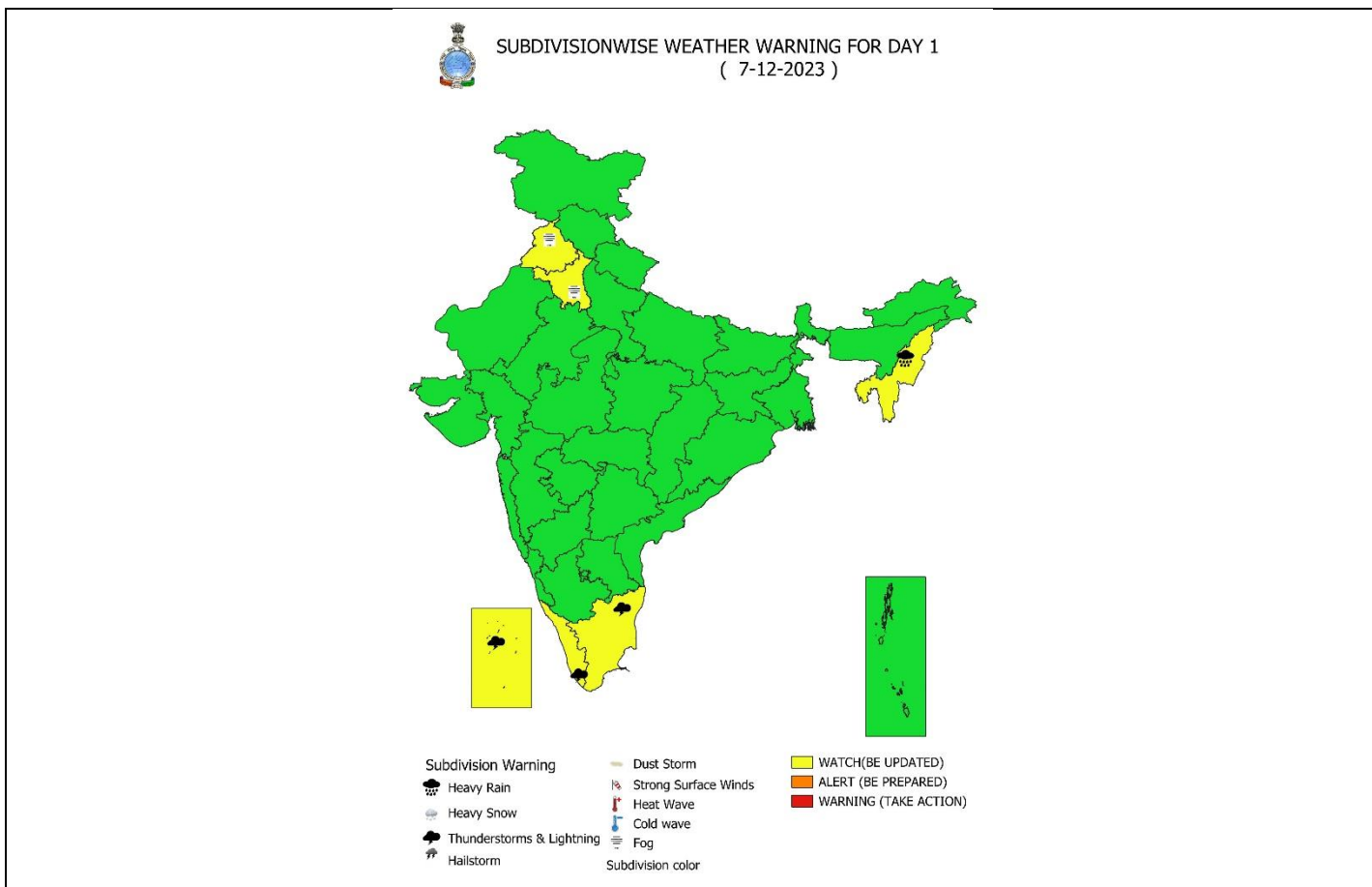
- Gradual fall in Minimum Temperatures by 2-3°C are likely over Northwest India during next 3-4 days and by 3-5°C over East India during next 3 days and no significant change thereafter.
- No significant change in Minimum Temperatures over rest parts of the country during next 4-5 days.

For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php) and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>

## Annexure I

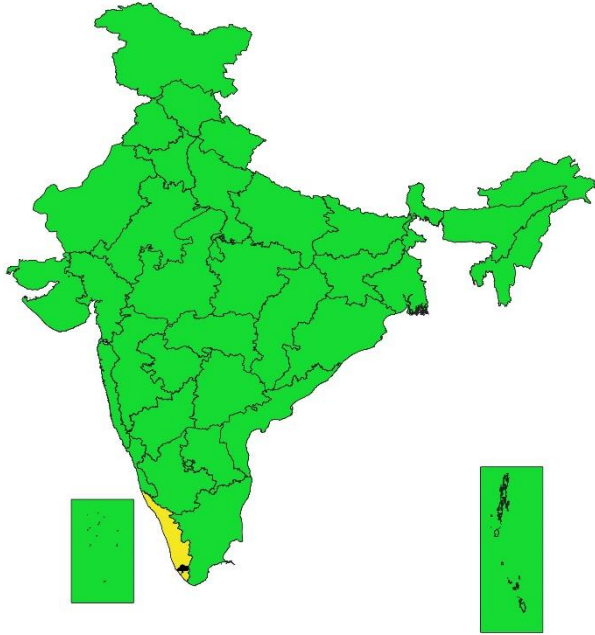
### Realized weather during past 24 hours till 0830 hours IST of today (07.12.2023):

- **Heavy rainfall** observed at isolated places over Gangetic West Bengal, Coastal Andhra Pradesh and Tamil Nadu.
- Significant Rainfall Amount:
  - **Tamil Nadu:** Varattupallam (Erode)-11, Gomugi Dam (Kallakurici)-8
  - **Coastal Andhra Pradesh:** Yelamanchili (dist Anakapalli) 7, Chodavaram (dist Anakapalli) 7, Araku Valley (dist Alluri Sitharamaraju)-7
  - **Gangetic West Bengal:** Purulia-7, West Midnapore-6





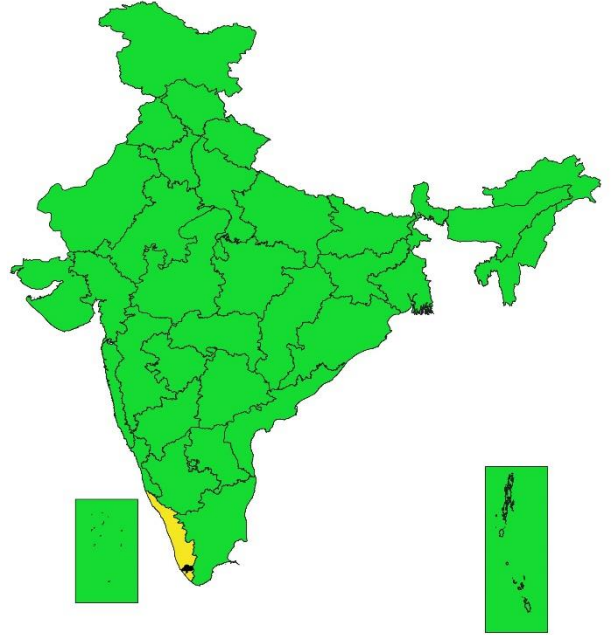
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
( 10-12-2023)**



- |                             |                         |                          |
|-----------------------------|-------------------------|--------------------------|
| <b>Subdivision Warning</b>  | <b>Dust Storm</b>       | <b>Subdivision color</b> |
| ☁️ 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)  |



**SUBDIVISIONWISE RAINFALL FORECAST FOR DAY 5  
( 11-12-2023)**
















- |                             |                         |                          |
|-----------------------------|-------------------------|--------------------------|
| <b>Subdivision Warning</b>  | <b>Dust Storm</b>       | <b>Subdivision color</b> |
| ☁️ 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)  |

## Legends:

- ❖ **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
- ❖ **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-Himalaya 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)

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)

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

<b>Flash Flood Risk</b>	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)