

Government of India Ministry of Earth Sciences India Meteorological Department

> Press Release Date: 19<sup>th</sup> December, 2023 Time of Issue: 1230 hours IST

# Subject: No significant weather over the country during next 5 days.

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

- **Minimum temperatures** are in the range of 4°C-8°C over most parts of Punjab, Haryana-Chandigarh-Delhi and some parts of Uttar Pradesh, northwest Rajasthan, East Madhya Pradesh, north Chhattisgarh, Jharkhand and west Bihar.
- **Dense fog** observed in the morning hours in isolated pockets over **Punjab**.
- Cold wave observed in isolated pockets over Punjab.
- Heavy to very heavy rainfall with extremely heavy falls observed at isolated places over south Tamil Nadu and very heavy rainfall at isolated places over Lakshadweep.
- **Significant rainfall** (from 0830 hrs IST of yesterday to 0830 hrs IST of today) is given in Annexure- I

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

• Yesterday's Cyclonic Circulation over Comorin area & neighbourhood now lies over Lakshadweep & neighbourhood and extends upto middle tropospheric levels.

### **Forecast & Warnings:**

- Light to moderate rainfall at many places very likely over south Tamil Nadu and Kerala & Mahe on 19<sup>th</sup> and at most places over Lakshadweep on 19<sup>th</sup> December and decrease significantly thereafter.
- Isolated **heavy rainfall** likely over south Tamil Nadu and Lakshadweep on 19<sup>th</sup> December, 2023.
- No significant weather likely over remaining parts of the country during next 5 days.

## **Dense fog warning:**

• **Dense fog** in isolated pockets very likely over Punjab and Haryana during next 5 days, over northwest Uttar Pradesh during next 3 days and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during morning hours of 20<sup>th</sup> December, 2023.

### **Cold Wave warning:**

• **Cold wave conditions** very likely in isolated pockets over Punjab on 19<sup>th</sup> & 20<sup>th</sup> December, 2023.

### **Minimum Temperatures Forecast:**

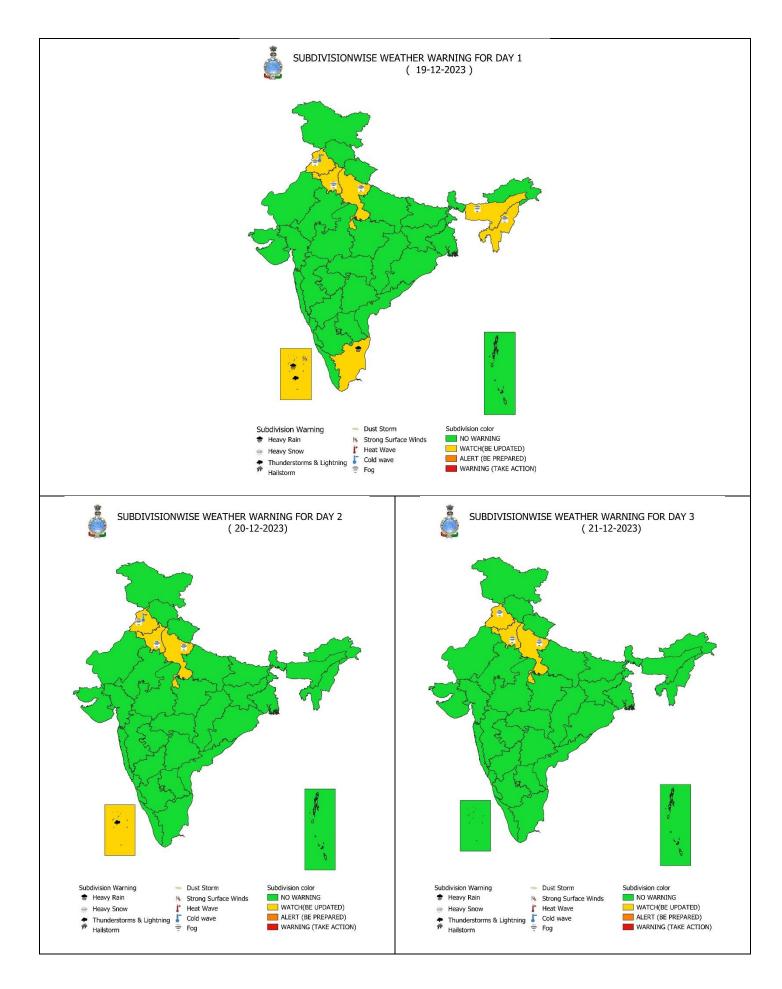
• No significant change in Minimum Temperatures likely over northern parts of the country during next 4-5 days.

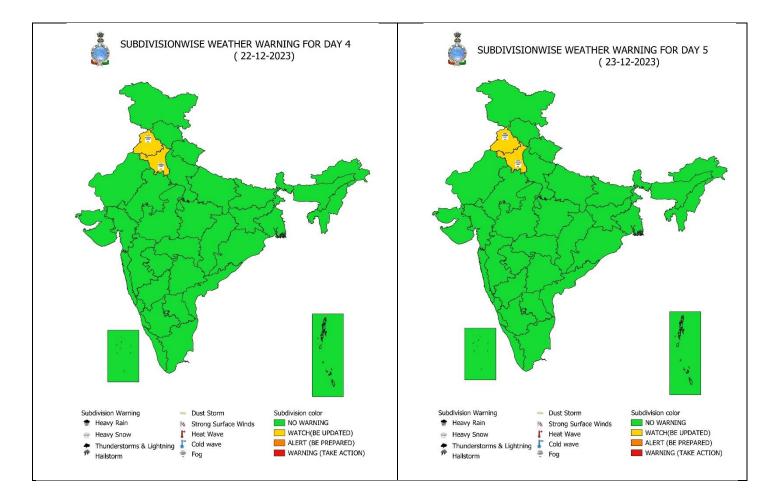
For more details kindly refer: <u>https://mausam.imd.gov.in/responsive/all\_india\_forcast\_bulletin.php</u> and <u>https://mausam.imd.gov.in/responsive/cycloneinformation.php</u>

#### **Annexure I**

- **Significant rainfall** (from 0830 hrs of yesterday to 0830 hrs of today): **Tamil Nadu:** Tiruchendur (dist Toothukudi) 23, Kayalpattinam (dist Toothukudi) 21, Nalumukku (dist Tirunelveli) 19, Kakkachi (dist Tirunelveli) 18, Manjolai (dist Tirunelveli) 17, Oothu (dist Tirunelveli) 15, Moolaikaraipatti (dist Tirunelveli) 13, Ambasamudram (dist Tirunelveli) 12, Papanasam (dist Tirunelveli) 11, Kannadaian Anicut (dist Tirunelveli) 9, Manimutharu (dist Tirunelveli) 8.
- Lakshadweep: Minicoy (Lakshadweep UT) 15.

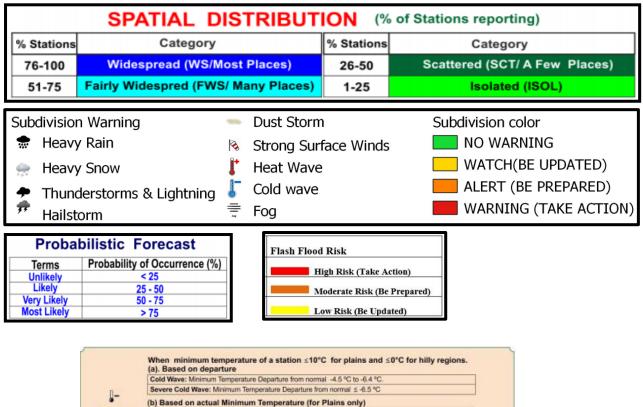
#### **Annexure II**





# Legends:

- ✤ Heavy Rain: 64.5 to 115.5 mm; Very Heavy Rain: 115.6 to 204.4 mm; Extremely Heavy Rain: >204.4 mm.
- 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-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.



J- Cold Wave	Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C
	(b) Based on actual Minimum Temperature (for Plains only)
	Cold Wave : When Minimum Temperature is < 4.0 °C
	Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C
	( c) For Coastal Stations When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C
- Cold Day	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure
	Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C.
	Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C
G Fog	Phenomenon of small droplets suspended in air and the horizontal visibility < 1km
	Moderate Fog: When the visibility between 500-200 metres
	Dense Fog: when the visibility between 50- 200 metres
	Very Dense Fog: when the visibility < 50 metres