



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

Press Release

Date: 07th December, 2023

Time of Issue: 1230 hours IST

Subject: A fresh spell of rainfall with isolated heavy falls likely over south Peninsular India from 08th 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 06th December and became less marked at 0530 hours IST of today, the 07th 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 11th 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 07th December and decrease thereafter; isolated **heavy rainfall** is also likely over Nagaland, Manipur, Mizoram & Tripura on today, the 07th 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 08th & 09th December and over Lakshadweep on 08th December.

Dense fog warning:

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

Minimum Temperatures Forecast

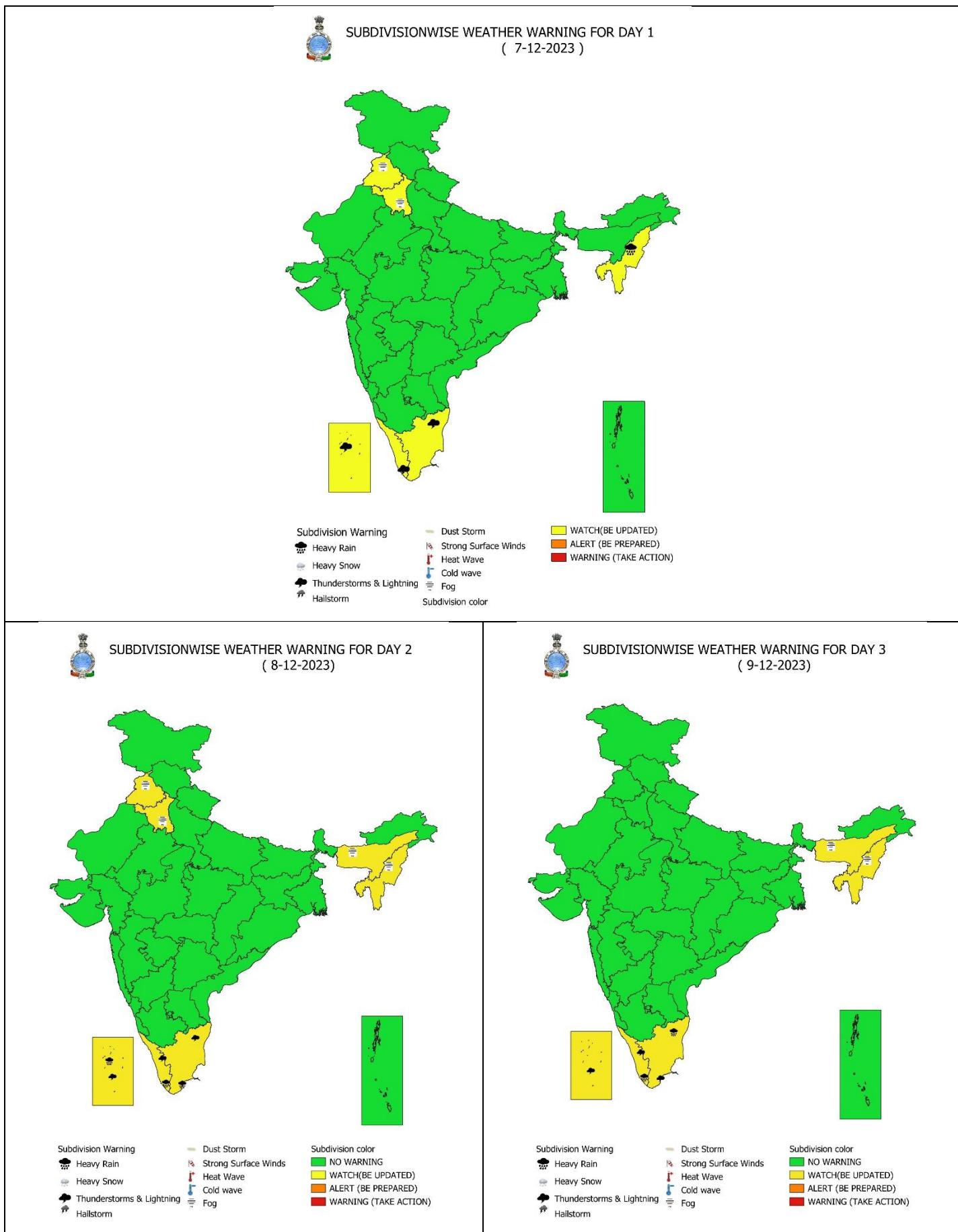
- Gradual fall in Minimum Temperatures by 2-3°C are likely over Northwest India during next 3-4 days and by 3-5°C over East India during next 3 days and no significant change thereafter.
- No significant change in Minimum Temperatures over rest parts of the country during next 4-5 days.

For more details kindly refer: <https://mausam.imd.gov.in/responsive/all india forcast bulletin.php> and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>

Annexure I

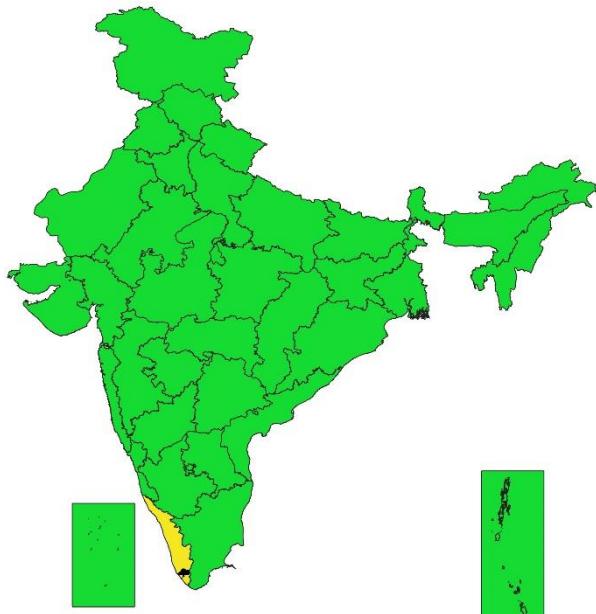
Realized weather during past 24 hours till 0830 hours IST of today (07.12.2023):

- **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)



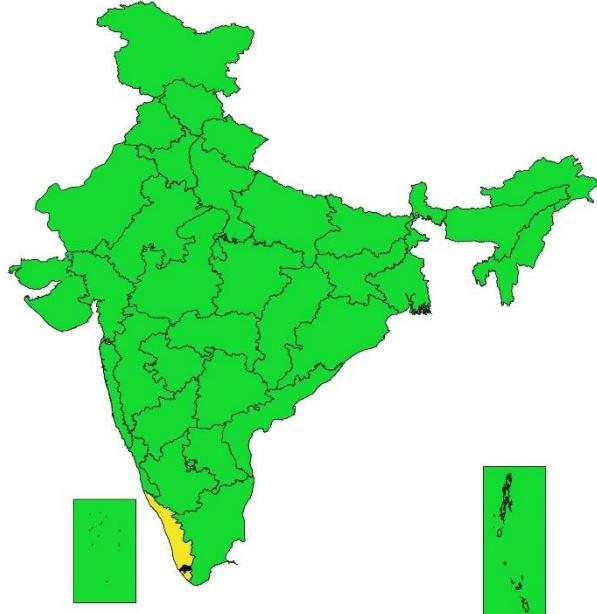
Subdivision Warning
Heavy Rain
Heavy Snow
Thunderstorms & Lightning
Hailstorm

Dust Storm
Strong Surface Winds
Heat Wave
Cold wave
Fog

Subdivision color
NO WARNING
WATCH(BE UPDATED)
ALERT (BE PREPARED)
WARNING (TAKE ACTION)



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



Subdivision Warning
Heavy Rain
Heavy Snow
Thunderstorms & Lightning
Hailstorm

Dust Storm
Strong Surface Winds
Heat Wave
Cold wave
Fog

Subdivision color
NO WARNING
WATCH(BE UPDATED)
ALERT (BE PREPARED)
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.

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 Widespred (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		Flash Flood Risk			
Terms	Probability of Occurrence (%)				
Unlikely	< 25	 High Risk (Take Action)			
Likely	25 - 50	 Moderate Risk (Be Prepared)			
Very Likely	50 - 75	 Low Risk (Be Updated)			
Most Likely	> 75				