



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

**Press Release
Date: 12th December, 2023
Time of Issue: 1200 hours IST**

Subject: A fresh spell of rainfall likely to commence over south Peninsular India from 16th December.

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

Minimum temperatures are in the range of 6-10°C over most parts of Punjab, Haryana-Chandigarh-Delhi, north Rajasthan and north Uttar Pradesh.

Weather systems:

- A cyclonic circulation lies over Southeast Arabian Sea in lower tropospheric levels.
- A Western Disturbance seen as a cyclonic circulation over Northwest Uttar Pradesh in lower tropospheric levels.

Rainfall Warning (graphics in Annexure I):

- Light to moderate rainfall at isolated to some places accompanied with isolated thunderstorm, lightning very likely over Arunachal Pradesh on 12th & 13th and over Assam & Meghalaya on 13th December.
- Light to moderate rainfall at some to many places accompanied with isolated thunderstorm, lightning/gusty winds very likely over Kerala & Mahe on 12th & 16th; over Lakshadweep on 12th and over Tamil Nadu on 16th December.
- Isolated **heavy rainfall** also very likely over south Tamil Nadu on 12th & 16th and over Lakshadweep on 12th December.
- No significant weather likely over remaining parts of the country during next 5 days.

Hailstorm warning:

- **Hailstorm** very likely at isolated places over Sikkim on 12th and over Arunachal Pradesh on 13th December.

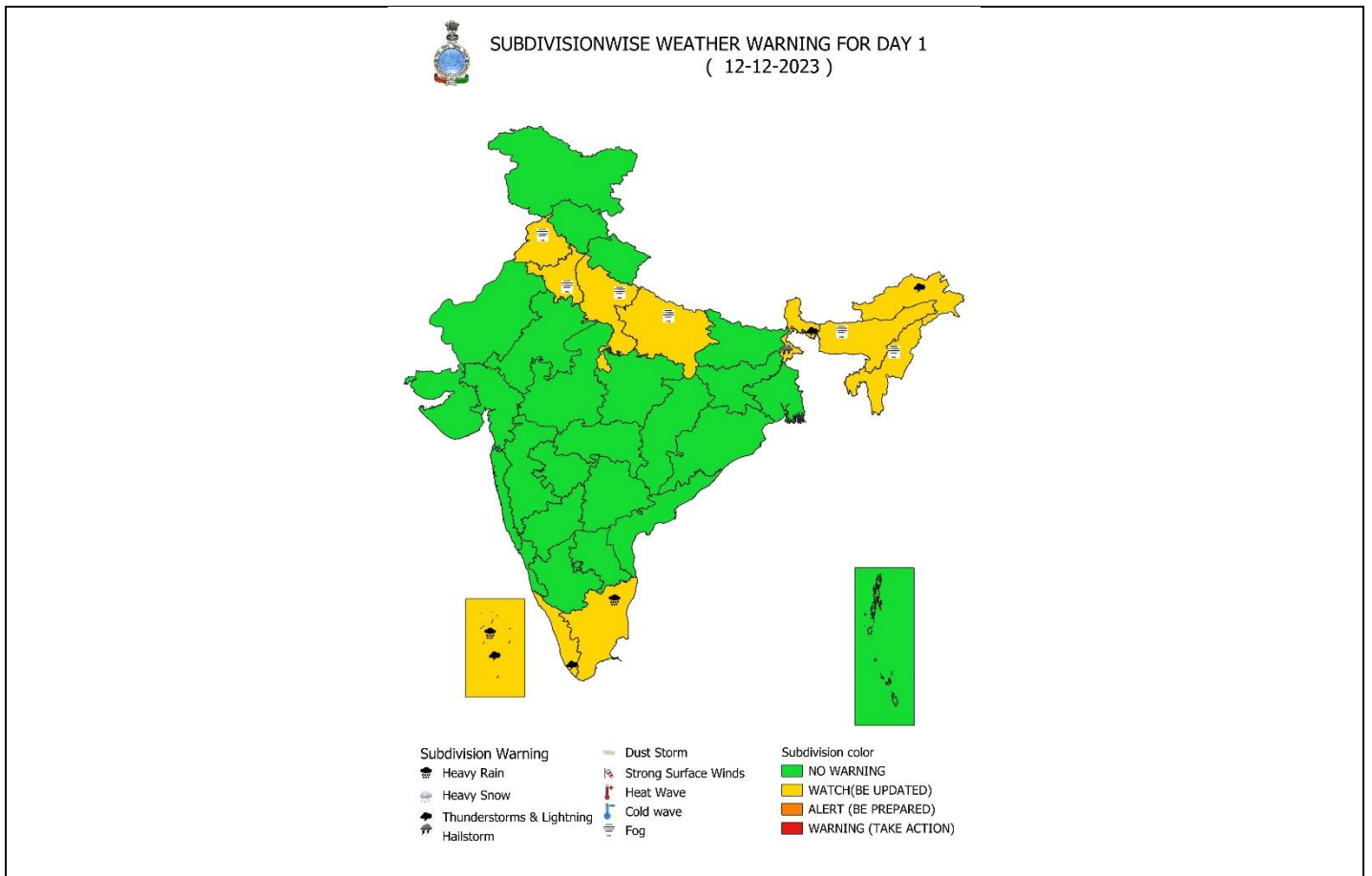
Dense fog warning:

- **Dense fog** very likely in isolated pockets over north Punjab, north Haryana and north Uttar Pradesh during 13th - 15th and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 13th & 14th.

Minimum Temperatures Forecast:

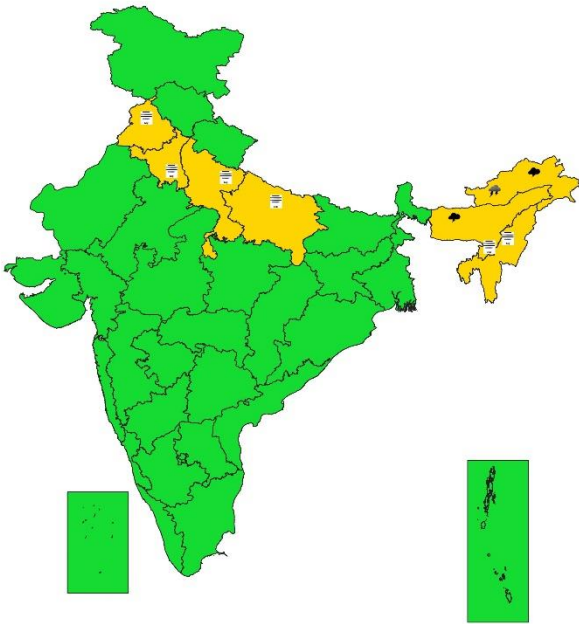
- No significant change in Minimum Temperatures over most parts of the country during next 4-5 days.

For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>





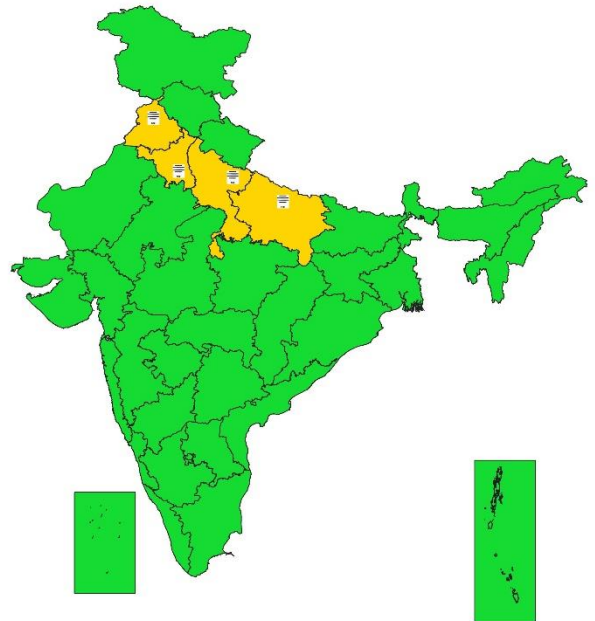
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(13-12-2023)**



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|----------------------------|----------------------|--------------------------|
| 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) |



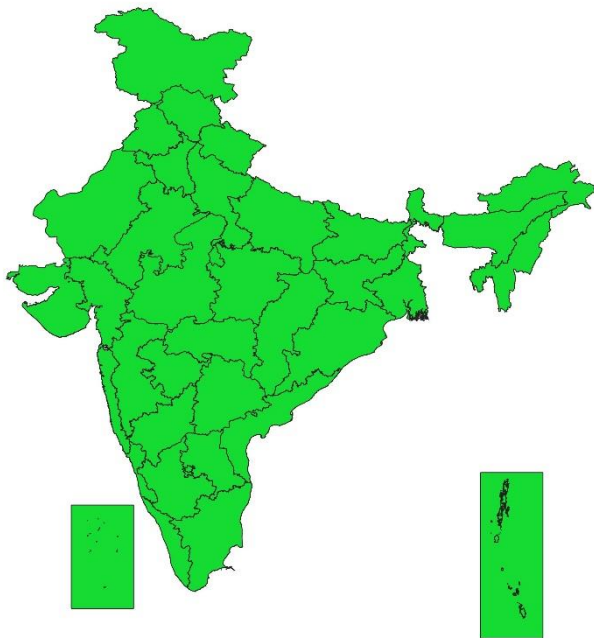
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(14-12-2023)**



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|----------------------------|----------------------|--------------------------|
| 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) |



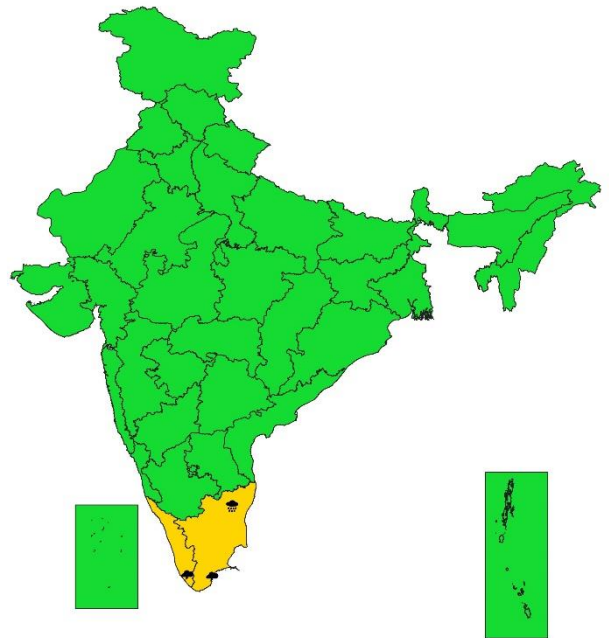
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(15-12-2023)**



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|----------------------------|----------------------|--------------------------|
| 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) |



**SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(16-12-2023)**
















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|----------------------------|----------------------|--------------------------|
| 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) |


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-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)

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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)