



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 08th December, 2023
Time of Issue: 1215 hours IST

Subject: A fresh spell of rainfall with isolated heavy falls likely over south Peninsular India from 08th to 10th December.

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

Weather systems:

- Yesterday's cyclonic circulation over Southeast Arabian Sea & neighbourhood now lies over Southeast Arabian Sea & adjoining Maldives area in lower & middle tropospheric levels.
- A fresh feeble Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 65°E to the north of Lat. 34°N.
- Another fresh feeble Western Disturbance is likely to affect Western Himalayan Region from 11th December.

Rainfall Warning (graphics in Annexure II):

- Light to moderate rainfall at some places with isolated thunderstorm & lightning very likely over Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep during next 4-5 days.
- Isolated **heavy rainfall** also very likely over Kerala during 08th-10th; over Tamil Nadu on 08th & 09th and over Lakshadweep on 08th December.
- **Hailstorm** also likely at isolated places over Sub-Himalaya West Bengal & Sikkim on 12th December.

Dense fog warning:

- **Dense fog** during morning hours very likely in isolated pockets over Punjab, Haryana and East Uttar Pradesh on 09th; over Bihar on 09th & 10th and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 09th - 11th December.

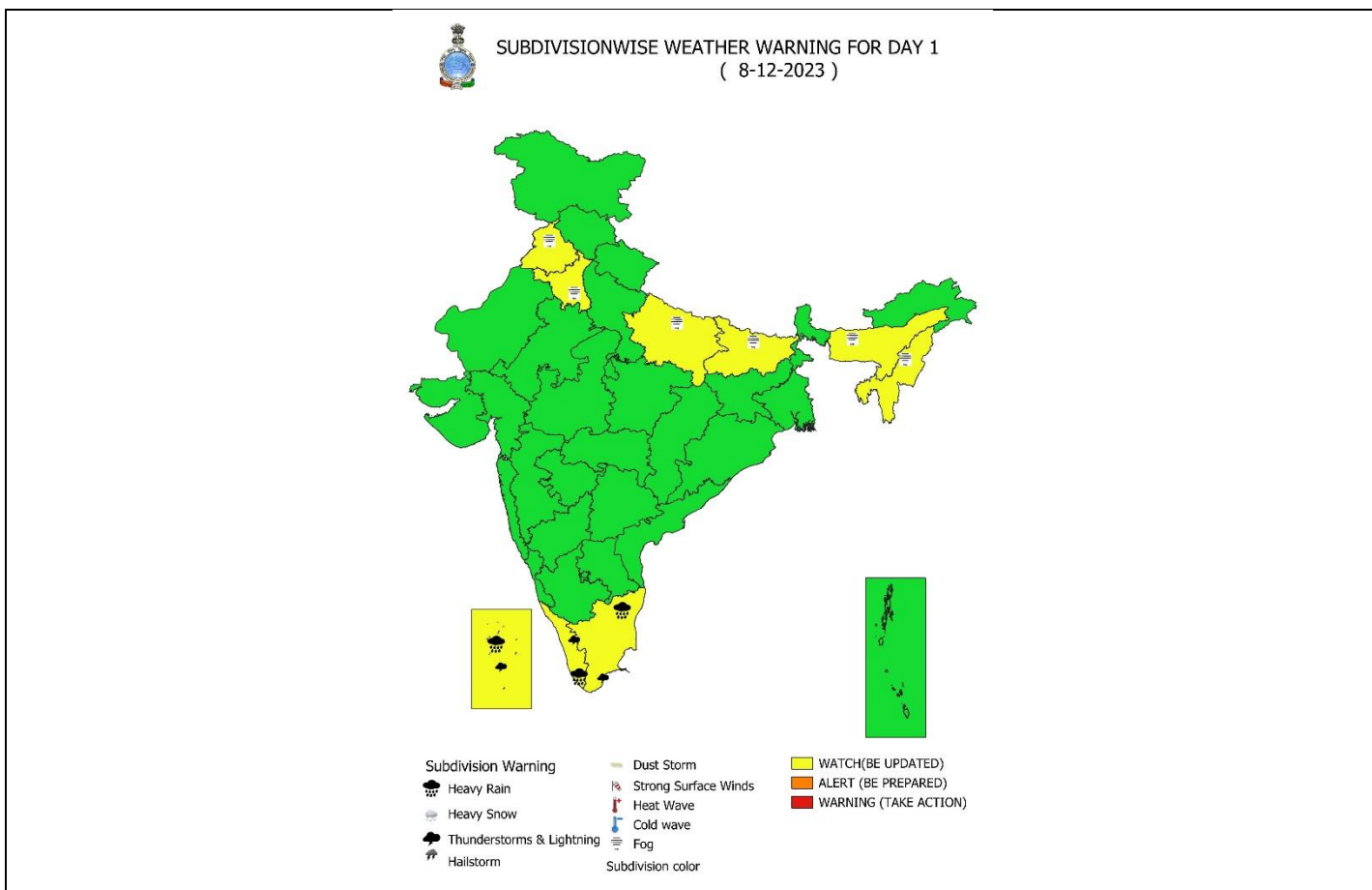
Minimum Temperatures Forecast:

- Gradual fall in Minimum Temperatures by about 2-4°C are very likely over Northwest, Central & 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 and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>

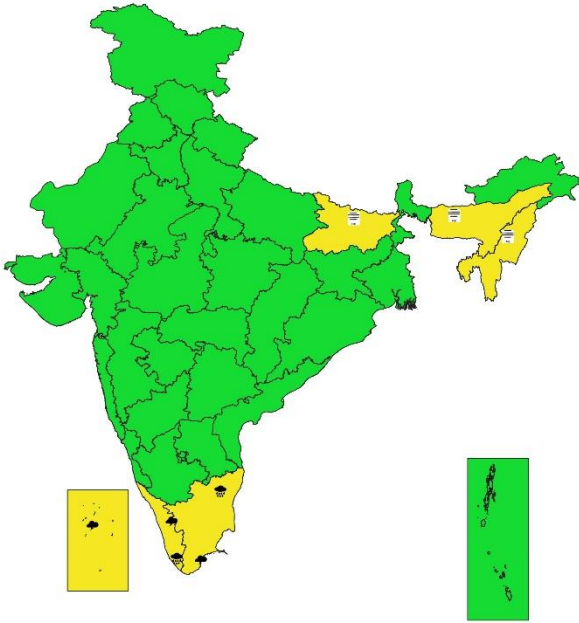
Realized weather during past 24 hours till 0830 hours IST of today (08.12.2023):

- **Heavy rainfall** observed at isolated places over Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Tamil Nadu and Kerala.
- Significant Rainfall Amount:
 - **Tamil Nadu:** Periyanaickenpalayam (dist Coimbatore), Pillur Dam Mettupalayam (dist Coimbatore) 9 each, Kil Kotagiri Estate (dist The Nilgiris), Rajapalayam (dist Virudhunagar), Siruvani Adivaram (dist Coimbatore) 7 each;
 - **Kerala:** Seethathode Aws (dist Pathanamthitta) 10, Neryamangalam Arg (dist Ernakulam) 7;
 - **Raylaseema:** Tanakal (dist Sri Sathyasai District) 7.
 - **Nagaland, Manipur, Mizoram & Tripura:** Champai Agri (dist Champhai) 8, Lengpui (dist Aizawl) 8, Serchip_ Aws (dist Serchhip) 7, Lunglei (dist Lunglei) 7





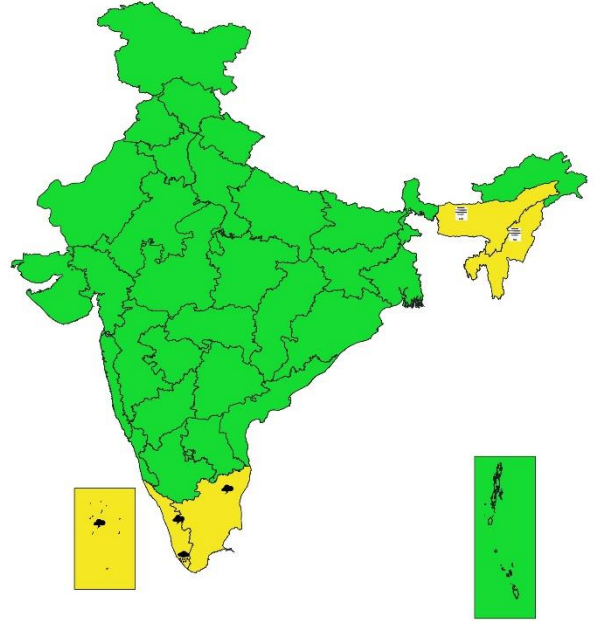
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2 (9-12-2023)



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



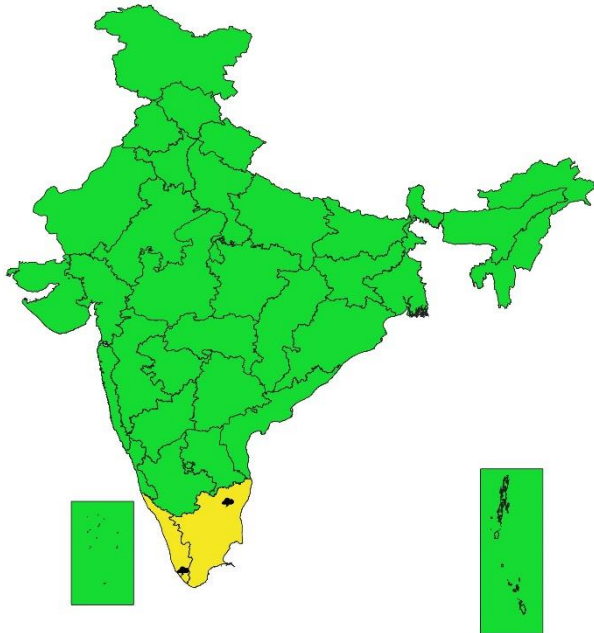
SUBDIVISIONWISE WEATHER WARNING FOR DAY 3 (10-12-2023)



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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) |



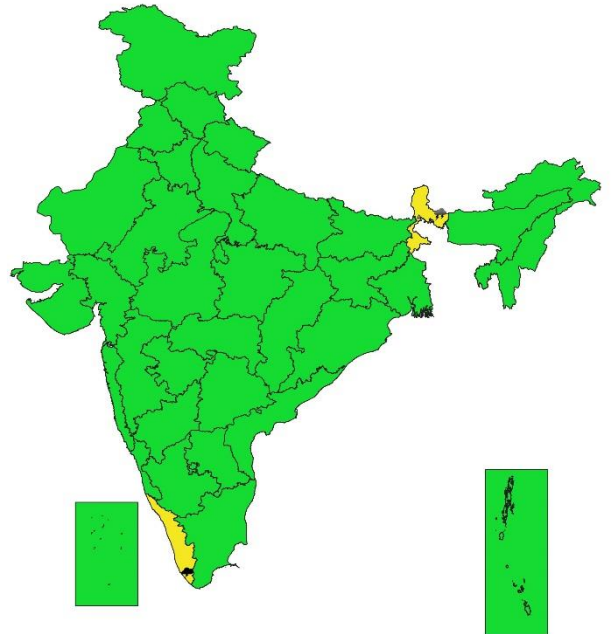
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4 (11-12-2023)



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



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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-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 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)