



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 10th December, 2023
Time of Issue: 1200 hours IST

Subject: (i) No significant weather over most parts of the country except south Tamil Nadu and Kerala during next 5 days.
(ii) Isolated heavy rainfall likely to continue over south Tamil Nadu and Kerala on 10th December.

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

Weather systems:

- A cyclonic circulation lies over Southeast Arabian Sea & adjoining Maldives area in lower & middle tropospheric levels.
- A 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 to many places accompanied with isolated thunderstorm, lightning and gusty winds very likely over Kerala & Mahe during next 3 days.
- Isolated **heavy rainfall** also very likely over Kerala and south Tamil Nadu on 10th December.
- No significant weather likely over remaining parts of the country during next 5 days.

Hailstorm warning:

- **Hailstorm** likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 12th December.

Dense fog warning:

- **Dense fog** during morning hours very likely in isolated pockets over Sub-Himalayan West Bengal & Sikkim on 11th December and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 11th & 12th December.

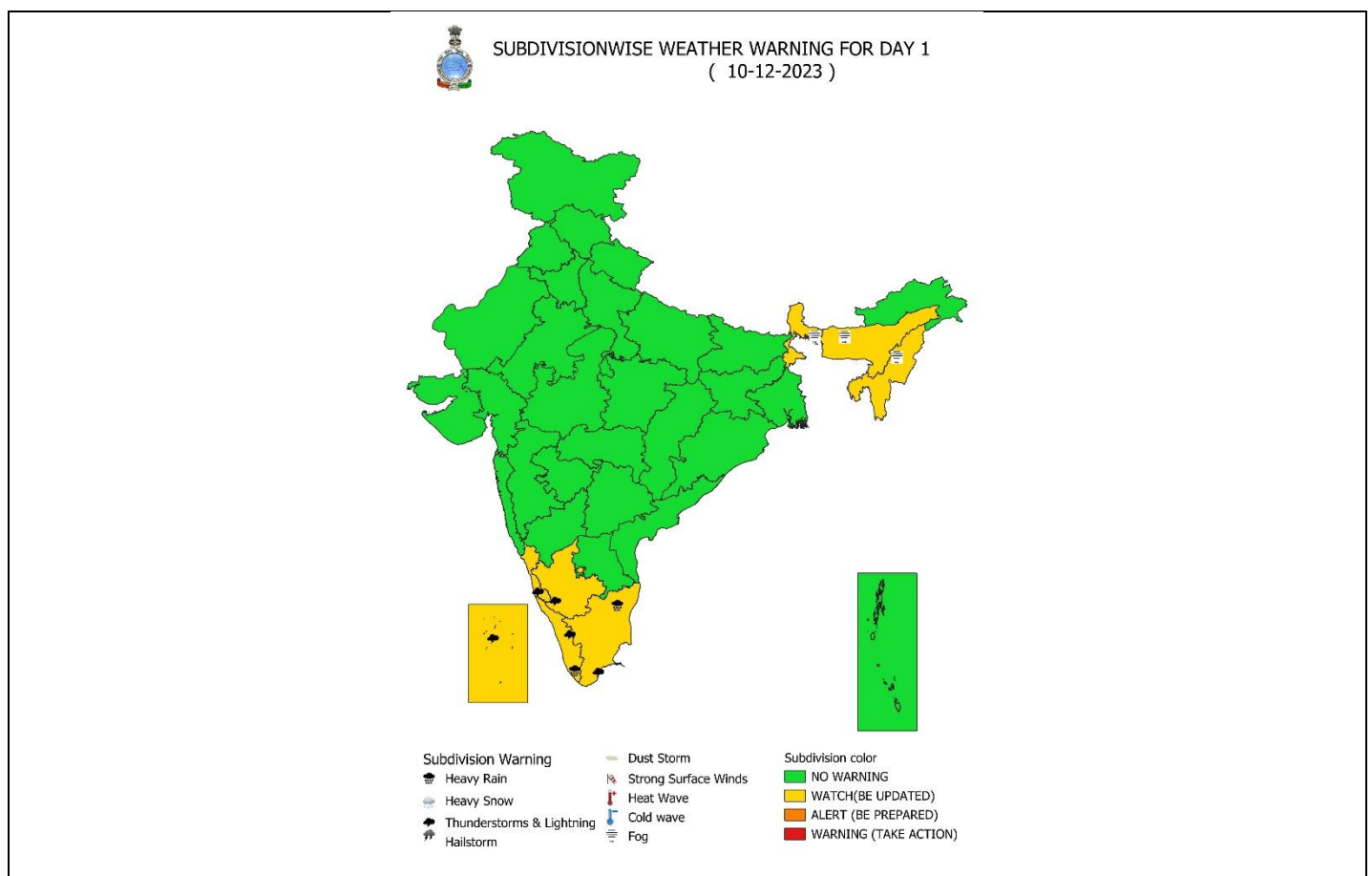
Minimum Temperatures Forecast:

- Gradual fall in Minimum Temperatures by about 2-3°C are very likely over some parts of Central India and by about 2°C over Northwest India during next 3 days and no significant change thereafter.
- No significant change in Minimum Temperatures over many parts of West India during next 24 hours and gradual fall by about 2-3°C thereafter during subsequent 3-4 days.
- 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>

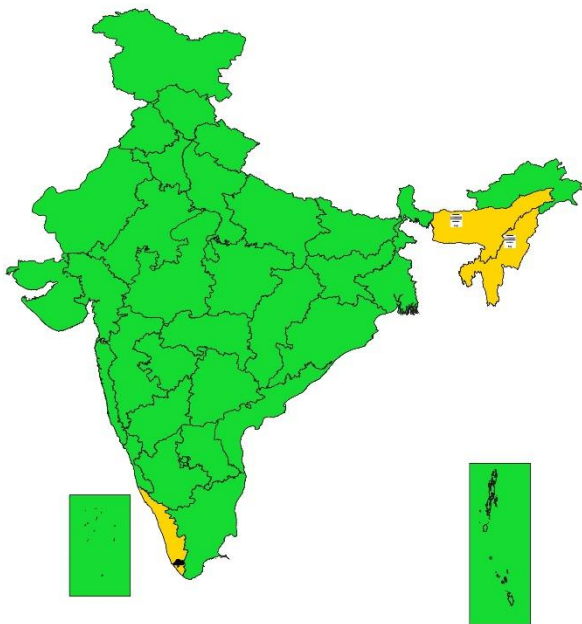
Realized weather during past 24 hours till 0830 hours IST of today (10.12.2023):

- **Heavy rainfall** observed at isolated places over Tamil Nadu and Kerala & Mahe.
- Significant Rainfall Amount:
 - **Kerala & Mahe:** Cheruthazham Arg (dist Cannur) 9, Padannakkad Aws (dist Kasargod) 5, Hosdurg (dist Kasargod) 5, Panathur Aws (dist Kasargod) 5.
 - **Tamil Nadu:** Nalumukku (dist Tirunelveli) 11, Alakarai Estate (dist The Nilgiris) 10, Oothu (dist Tirunelveli), Manjolai (dist Tirunelveli), Kannadaian Anicut (dist Tirunelveli) 9 each, Kakkachi (dist Tirunelveli), Burliar (dist The Nilgiris), Kil Kotagiri Estate (dist The Nilgiris) 8 each, Cheranmahadevi (dist Tirunelveli), Coonoor (dist The Nilgiris) 7 each, Coonoor PTO (dist The Nilgiris), Manimutharu (dist Tirunelveli), Kothagiri (dist The Nilgiris) 6 each, Ambasamudram (dist Tirunelveli) 5





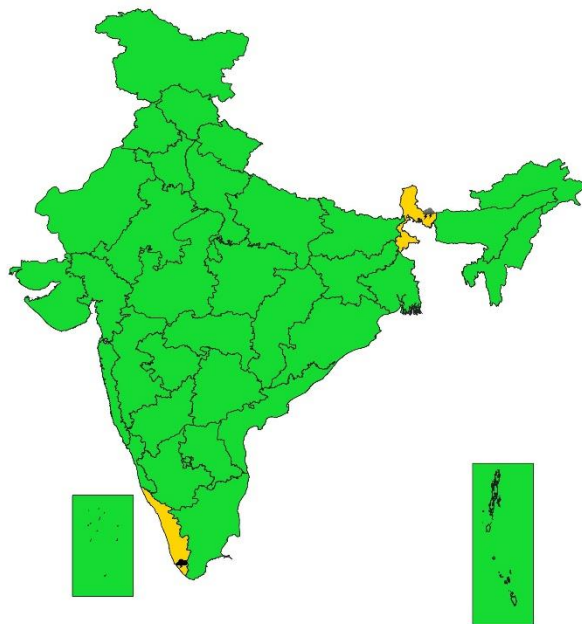
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(11-12-2023)**



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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) |



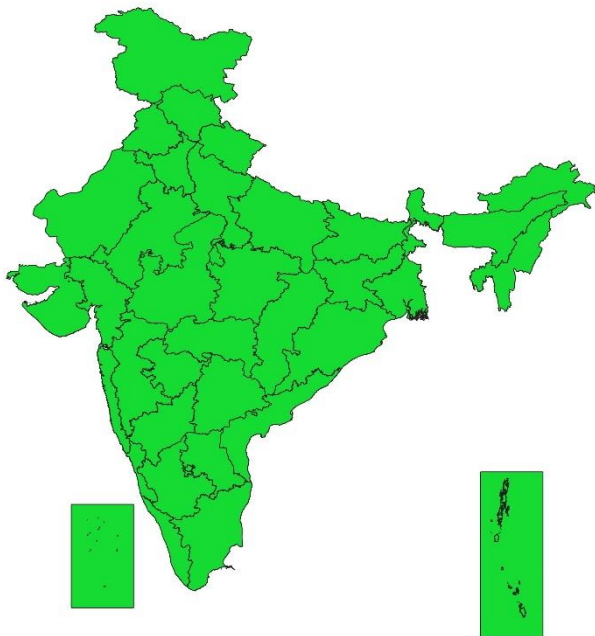
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(12-12-2023)**



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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) |



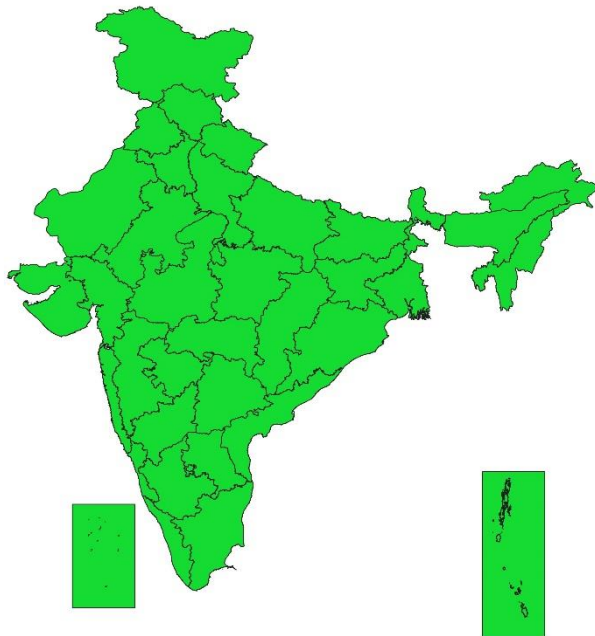
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(13-12-2023)**



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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 5
(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) |

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)

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)