



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

**Press Release**

**Date: 25<sup>th</sup> November, 2023**

**Time of Issue: 1300 hours IST**

**Subject: Thunderstorm activity accompanied with hail/heavy rainfall likely over Maharashtra, Madhya Pradesh, Gujarat & south Rajasthan during 26<sup>th</sup>-27<sup>th</sup> November.**

**Rainfall recorded during past 24 hours till 0830 hours IST of today:**

**Heavy rainfall** at isolated places over Coastal Andhra Pradesh, Tamil Nadu and Andaman & Nicobar Islands.

**❖ Significant Rainfall Amount:**

- **Andaman & Nicobar Islands:** Car Nicobar (dist Nicobar) 10, IAF Car Nicobar (dist Nicobar) 9;
- **Coastal Andhra Pradesh:** Seetharamapuram (dist Spsr Nellore) 11, Udayagiri (dist Spsr Nellore) 11, Vinjamur (dist Spsr Nellore) 8;
- **Tamil Nadu:** Zone 13 Adyar (dist Chennai) 8, Taramani ARG (dist Chennai) 7.

**Weather Systems and Forecast & Warnings during next 5 days (graphics in Annexure II)**

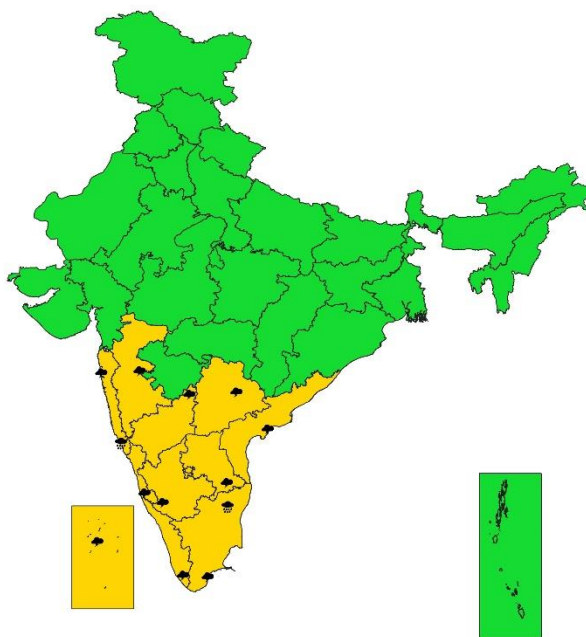
- ❖ A fresh Western Disturbance will approach northwest India as an upper level trough extending upto Eastcentral Arabian Sea off Gujarat-Maharashtra-Goa coasts during 25<sup>th</sup>-26<sup>th</sup> November. The trough in westerlies in middle & upper tropospheric levels will interact with the lower level trough in easterlies. Due to this interaction:
  - Light to moderate rainfall at many places accompanied with isolated thunderstorm & lightning is likely over Konkan & Goa and Madhya Maharashtra during 25<sup>th</sup>-27<sup>th</sup>; over Marathwada during 25<sup>th</sup>-28<sup>th</sup> and over Gujarat State on 25<sup>th</sup> & 26<sup>th</sup> November with maximum activity on 26<sup>th</sup> November, 2023.
  - **Thunderstorm & lightning accompanied with Hail** at isolated places likely over south Rajasthan and north Madhya Maharashtra on 26<sup>th</sup>; over southwest Madhya Pradesh and Marathwada on 26<sup>th</sup> & 27<sup>th</sup> and over East Madhya Pradesh on 27<sup>th</sup> November.
  - **Isolated heavy rainfall likely over southeast Rajasthan, southwest Madhya Pradesh, Vidarbha, Gujarat Region, north Konkan, north Madhya Maharashtra & Marathwada on 26<sup>th</sup> November, 2023.**
  - Light rainfall at isolated places also likely over Western Himalayan Region and plains of Northwest India during 26<sup>th</sup>-28<sup>th</sup> November. **Thunderstorm & lightning** at isolated places over Himachal Pradesh and Uttarakhand on 27<sup>th</sup> November.

- A Cyclonic Circulation is likely to emerge into South Andaman Sea & neighbourhood by 26<sup>th</sup> November. Under its influence, a **Low Pressure Area** is likely to form over South Andaman Sea & adjoining Southeast Bay of Bengal around 27<sup>th</sup> November. It is likely to move west-northwestwards and intensify into a Depression over Southeast Bay of Bengal around 29<sup>th</sup> November, 2023. Under its influence:
  - Light to moderate rainfall at many places accompanied with isolated **thunderstorm & lightning** is likely over Andaman & Nicobar Islands during 26<sup>th</sup> –27<sup>th</sup> November, 2023. Isolated **heavy rainfall** also likely over Andaman & Nicobar Islands during 26<sup>th</sup>–28<sup>th</sup> November.
  - **Squally weather (wind speed reaching 40-45 kmph gusting to 55 kmph)** likely over south & adjoining north Andaman Sea on 27<sup>th</sup> November; **Squally weather (wind speed reaching 45-55 kmph gusting to 65 kmph)** over Southeast Bay of Bengal & adjoining Andaman Sea during 28<sup>th</sup>-29<sup>th</sup> November.
  - **Fishermen are advised not to venture into South Andaman Sea during 27<sup>th</sup>-29<sup>th</sup> and over Southeast Bay of Bengal on 28<sup>th</sup> & 29<sup>th</sup> November. (graphics in Annexure III)**
- ❖ **Minimum temperatures are likely to fall by 2-4°C over many parts of Northwest, West & Central India from 28<sup>th</sup> November, 2023.**
- ❖ **No significant weather likely over rest parts of the country.**

For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php) and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>



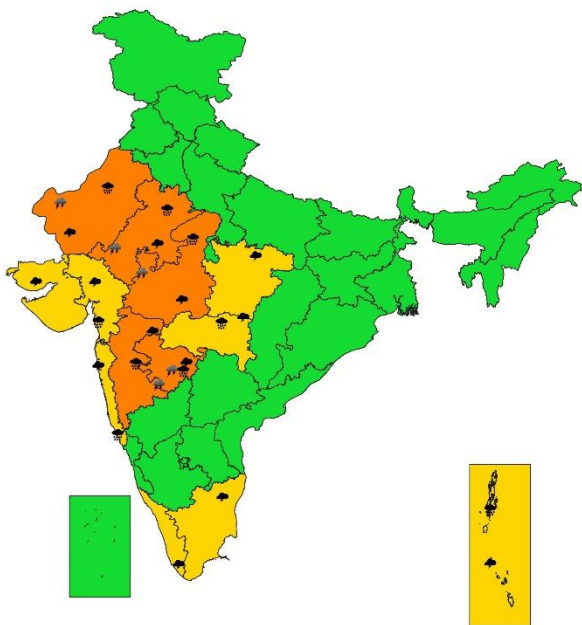
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1  
( 25-11-2023 )



- |                             |                        |                          |
|-----------------------------|------------------------|--------------------------|
| <b>Subdivision Warning</b>  | <b>Dust Storm</b>      | <b>Subdivision color</b> |
| ☁ 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)  |



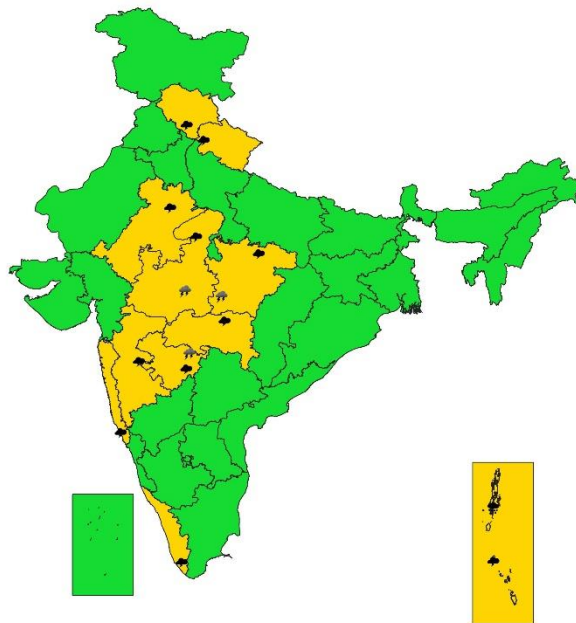
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 26-11-2023 )



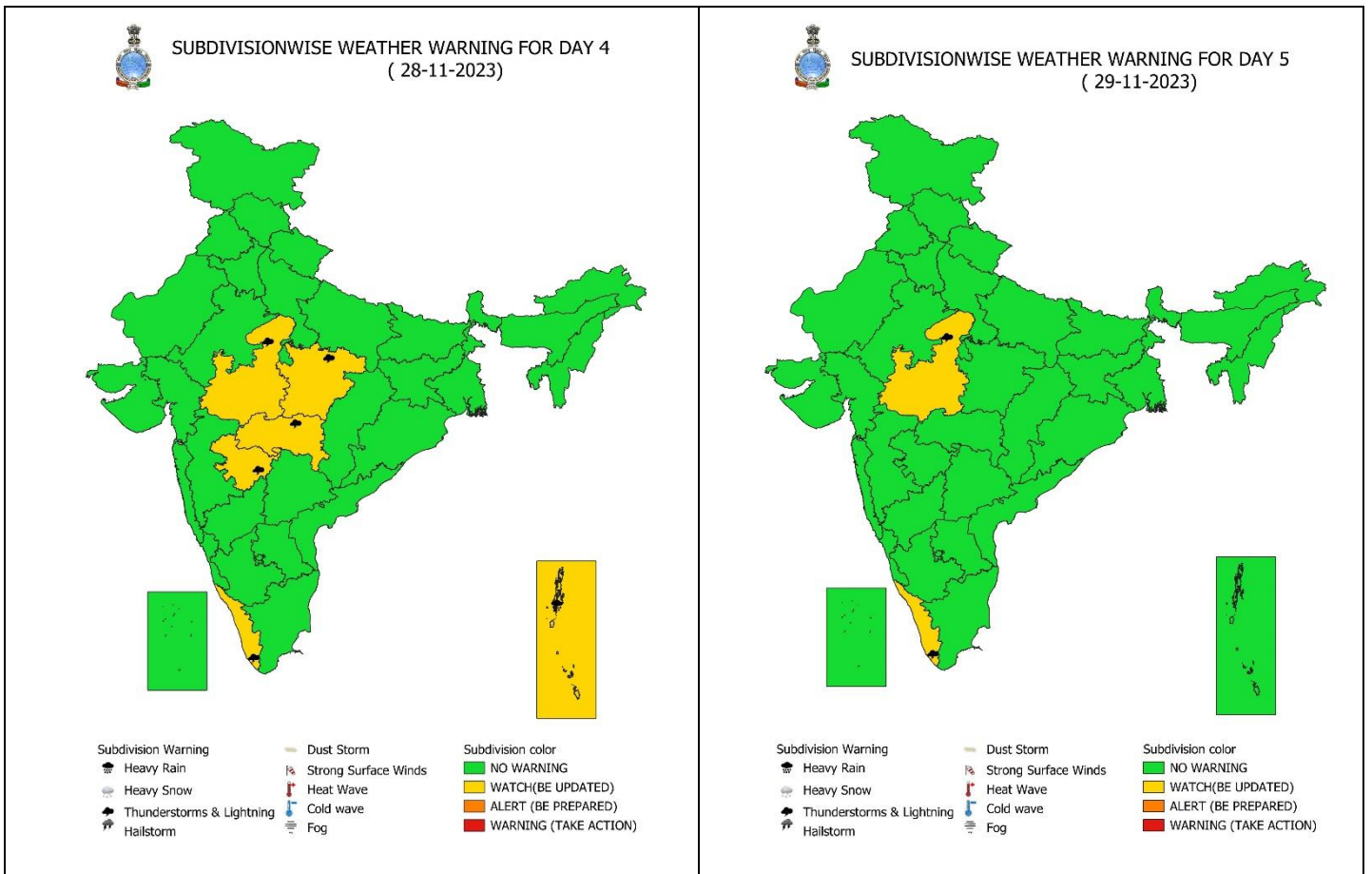
- |                             |                        |                          |
|-----------------------------|------------------------|--------------------------|
| <b>Subdivision Warning</b>  | <b>Dust Storm</b>      | <b>Subdivision color</b> |
| ☁ Heavy Rain                | 🌪 Strong Surface 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  
( 27-11-2023 )



- |                             |                        |                          |
|-----------------------------|------------------------|--------------------------|
| <b>Subdivision Warning</b>  | <b>Dust Storm</b>      | <b>Subdivision color</b> |
| ☁ 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)  |



**Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over Rajasthan and Madhya Maharashtra on 26<sup>th</sup>; over West Madhya Pradesh and Marathwada on 26<sup>th</sup> & 27<sup>th</sup> and over East Madhya Pradesh on 27<sup>th</sup> November, 2023.**

Impact expected:

- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

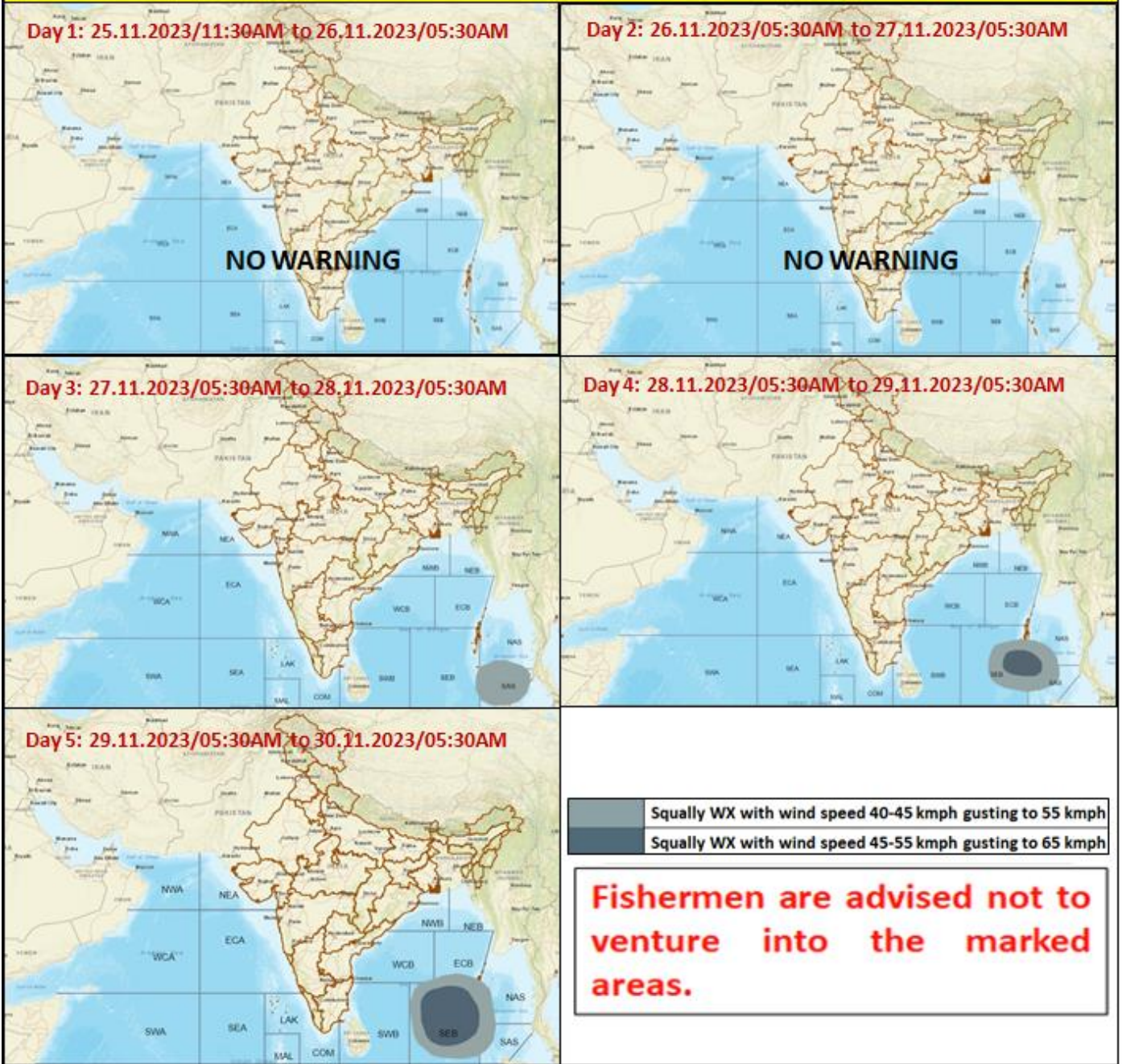
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

**Agromet advisories for heavy rainfall, gusty winds and hailstorms likely over various parts of the country**

**(Based on the IBF and advisories issued by different AMFUs and DAMUs)**

- Make necessary arrangements for draining out excess water from crop fields in south Rajasthan, West Madhya Pradesh, north Madhya Maharashtra, north Marathwada, Gujarat region and Andaman & Nicobar Islands.
- Use hail nets in orchards for protection of fruits and provide staking to vegetables in south Rajasthan, Madhya Pradesh, north Madhya Maharashtra and north Marathwada.
- Keep harvested produce in safer places or cover the harvested produce in the fields with tarpaulin/polythene sheets.
- Drain out excess water from standing crop fields to avoid water stagnation in Tamil Nadu and Coastal Andhra Pradesh.
- Provide mechanical support to horticultural crops.

**Fishermen warning graphics**



**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)