



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 25th 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 26th-27th 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 25th-26th November. The trough in westerlies in middle & upper tropospheric levels will interact with the lower level trough in easterlies. Due to this interaction:

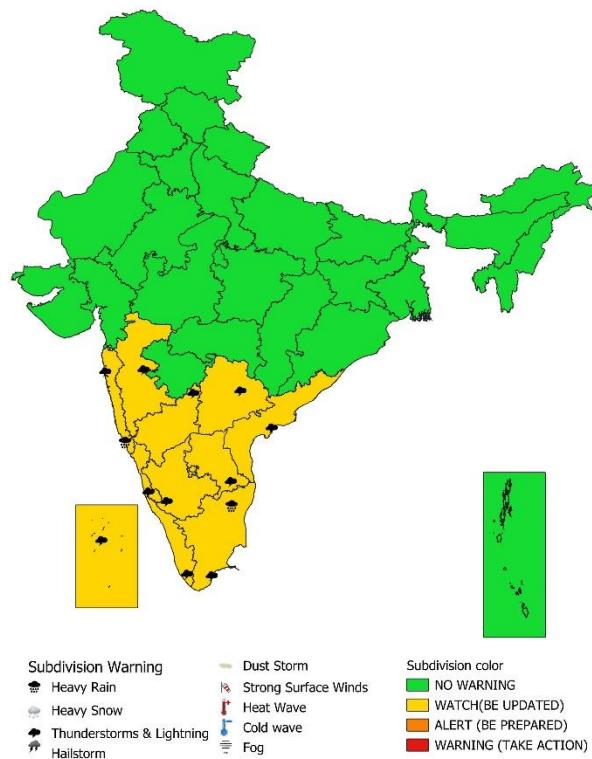
- Light to moderate rainfall at many places accompanied with isolated thunderstorm & lightning is likely over Konkan & Goa and Madhya Maharashtra during 25th-27th; over Marathwada during 25th-28th and over Gujarat State on 25th & 26th November with maximum activity on 26th November, 2023.
- **Thunderstorm & lightning accompanied with Hail** at isolated places likely over south Rajasthan and north Madhya Maharashtra on 26th; over southwest Madhya Pradesh and Marathwada on 26th & 27th and over East Madhya Pradesh on 27th November.
- **Isolated heavy rainfall likely over southeast Rajasthan, southwest Madhya Pradesh, Vidarbha, Gujarat Region, north Konkan, north Madhya Maharashtra & Marathwada on 26th November, 2023.**
- Light rainfall at isolated places also likely over Western Himalayan Region and plains of Northwest India during 26th-28th November. **Thunderstorm & lightning** at isolated places over Himachal Pradesh and Uttarakhand on 27th November.

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

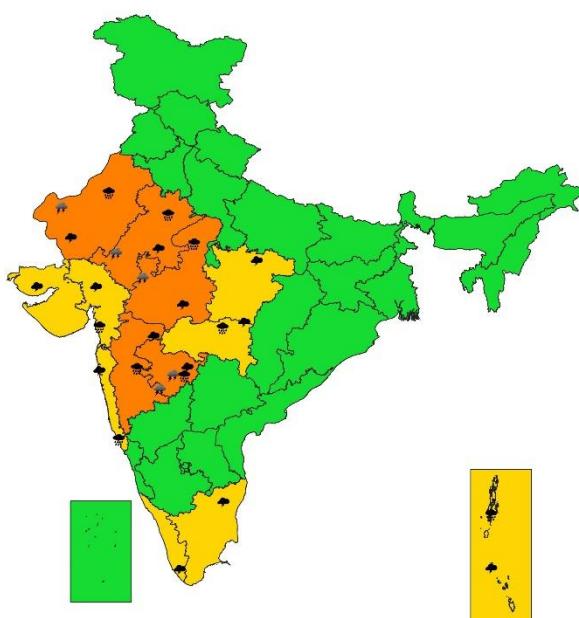
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>



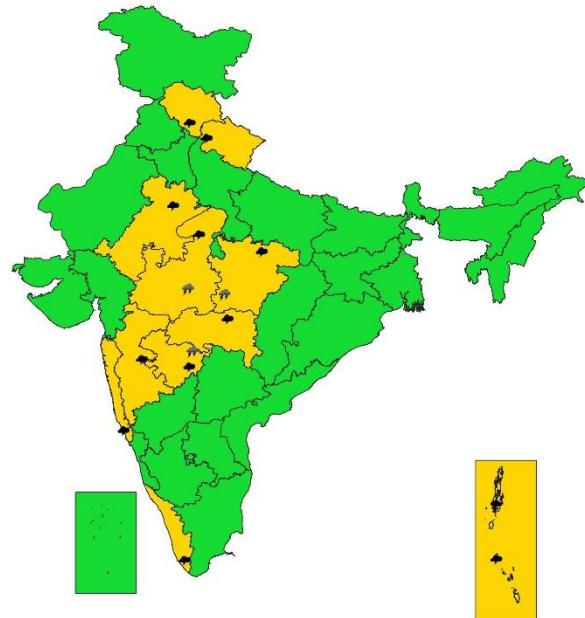
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
(25-11-2023)

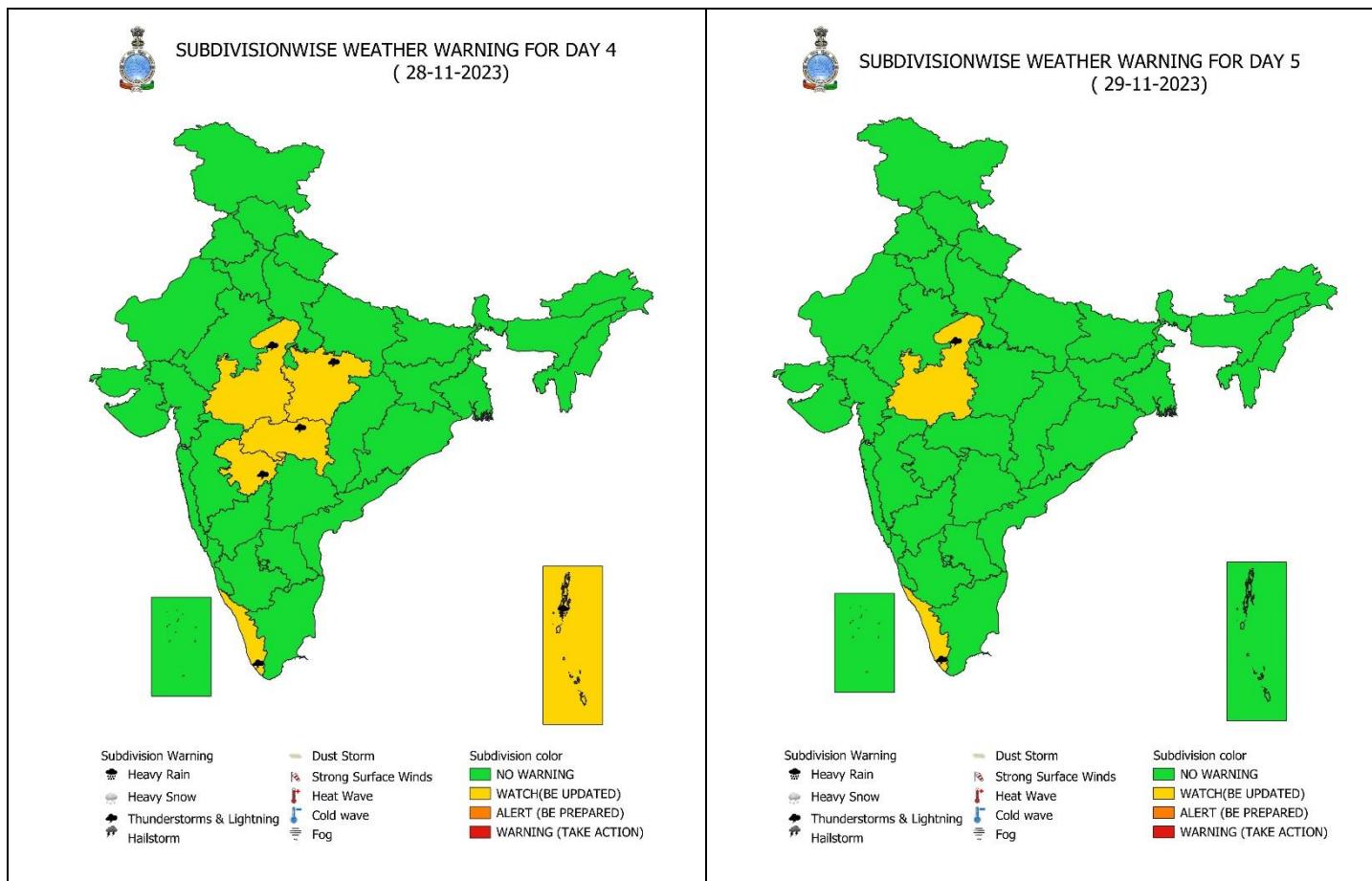


SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(26-11-2023)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(27-11-2023)





Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over Rajasthan and Madhya Maharashtra on 26th; over West Madhya Pradesh and Marathwada on 26th & 27th and over East Madhya Pradesh on 27th 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

Day 1: 25.11.2023/11:30AM to 26.11.2023/05:30AM



Day 2: 26.11.2023/05:30AM to 27.11.2023/05:30AM



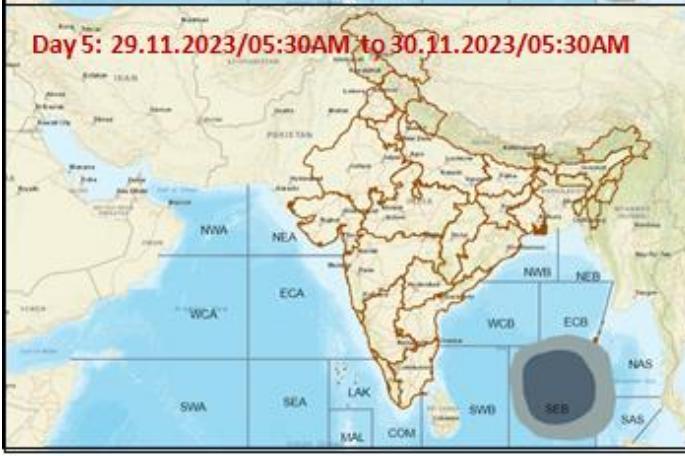
Day 3: 27.11.2023/05:30AM to 28.11.2023/05:30AM



Day 4: 28.11.2023/05:30AM to 29.11.2023/05:30AM



Day 5: 29.11.2023/05:30AM to 30.11.2023/05:30AM



Squally WX with wind speed 40-45 kmph gusting to 55 kmph

Squally WX with wind speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.

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				