



Government of India  
Ministry of Earth Sciences  
India Meteorological Department

Press Release  
Date: 24<sup>th</sup> November, 2023  
Time of Issue: 1300 hours IST

**Subject:**

- 1) Isolated heavy rainfall likely to continue over Tamil Nadu and Kerala today and decrease thereafter.**
- 2) Thunderstorm activity likely over Maharashtra, Madhya Pradesh, Gujarat & south Rajasthan during 25<sup>th</sup>-27<sup>th</sup> November.**

**Rainfall recorded during past 24 hours till 0830 hours IST of today: (see Annexure I)**

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

- ❖ A trough in easterlies runs from Maldives to north Maharashtra coast in lower tropospheric levels. It is very likely to cause:
  - Light to moderate rainfall at most places accompanied with thunderstorm & lightning at isolated places and **isolated heavy rainfall** over Kerala & Mahe and Lakshadweep on 24<sup>th</sup>; over Tamil Nadu, Puducherry & Karaikal **on 24<sup>th</sup> & 25<sup>th</sup> November, 2023**.
- ❖ A fresh Western Disturbance will approach northwest India as an upper level trough extending upto Eastcentral Arabian Sea off Gujarat-Maharashtra-Goa coasts on 25<sup>th</sup> & 26<sup>th</sup> November. As a result, the above trough in mid-latitude westerlies in middle & upper tropospheric levels will interact with lower level trough in easterlies. Due to this interaction:
  - Light to moderate rainfall at many places accompanied with isolated thunderstorm & lightning is likely over Madhya Maharashtra, Konkan & Goa, Marathwada, Madhya Pradesh during 24<sup>th</sup>-27<sup>th</sup>; 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 over south Rajasthan, southwest Madhya Pradesh, north Madhya Maharashtra and north Marathwada during 26<sup>th</sup> - 27<sup>th</sup> November.
  - **Isolated heavy rainfall likely over East Rajasthan, Vidarbha, north Madhya Maharashtra & Gujarat Region on 26<sup>th</sup>; over southwest Madhya Pradesh on 26<sup>th</sup> & 27<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 accompanied with Hail** at isolated places over Uttarakhand on 27<sup>th</sup> November.
- A Cyclonic Circulation is likely to emerge over South Andaman Sea & neighbourhood around 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 30-40 kmph gusting to 50 kmph) likely over south Andaman Sea on 26<sup>th</sup> November; Squally weather (wind speed reaching 40-50 kmph gusting to 60 kmph) over south Andaman Sea & adjoining Southeast Bay of Bengal during 27<sup>th</sup>-28<sup>th</sup> and wind speed reaching 45-55 kmph gusting to 65 kmph over south Andaman Sea & adjoining Southeast Bay of Bengal during 29<sup>th</sup>-30<sup>th</sup> November.**
- **Fishermen are advised not to venture into South Andaman Sea on 26<sup>th</sup> & 27<sup>th</sup> and over Southeast Bay of Bengal on 27<sup>th</sup> November.(graphics in Annexure III)**

❖ **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](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php)  
and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>

**Annexure I**

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

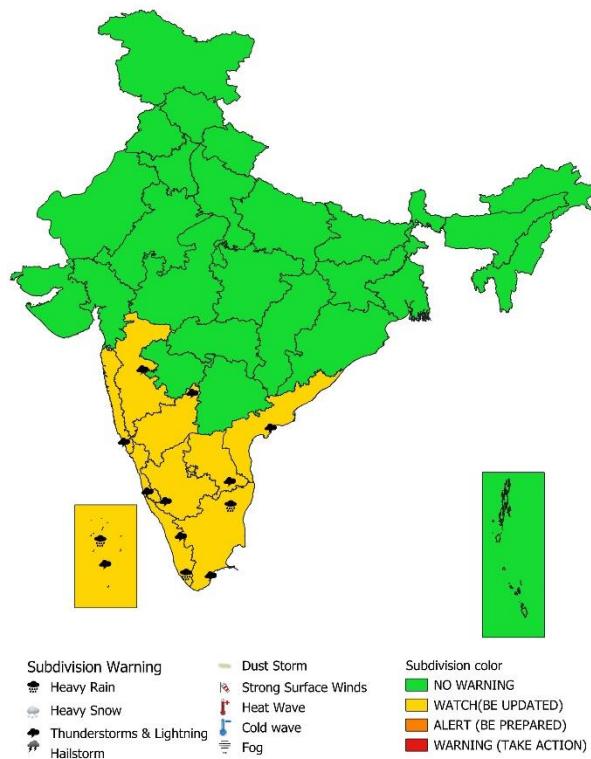
**Heavy rainfall** at isolated places over Tamil Nadu, Puducherry & Karaikal.

❖ **Significant Rainfall Amount ( $\geq 12$  cm):**

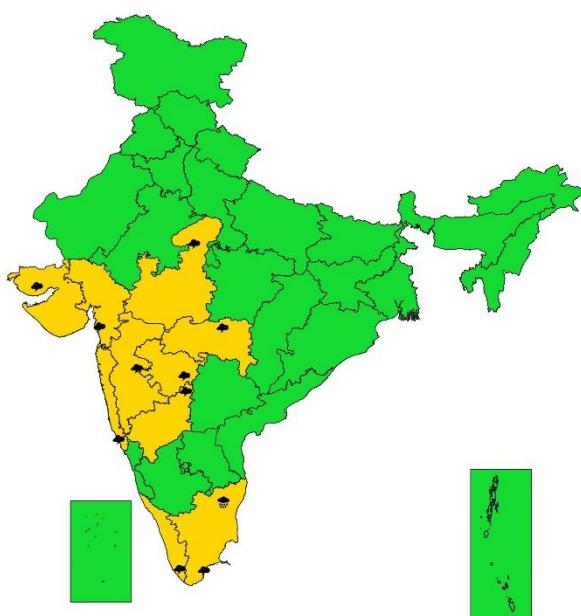
- **Tamil Nadu, Puducherry & Karaikal:** Coonoor (dist The Nilgiris) 9, Surangudi (dist Thoothukudi), Alakarai Estate (dist The Nilgiris), Billimalai Estate (dist The Nilgiris) 8 each, Burliar (dist The Nilgiris), Kil Kotagiri Estate (dist The Nilgiris) 7 each,



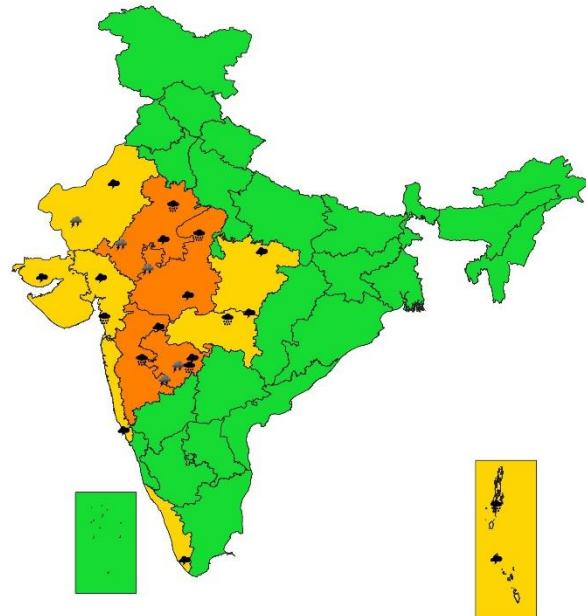
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 1**  
**( 24-11-2023 )**

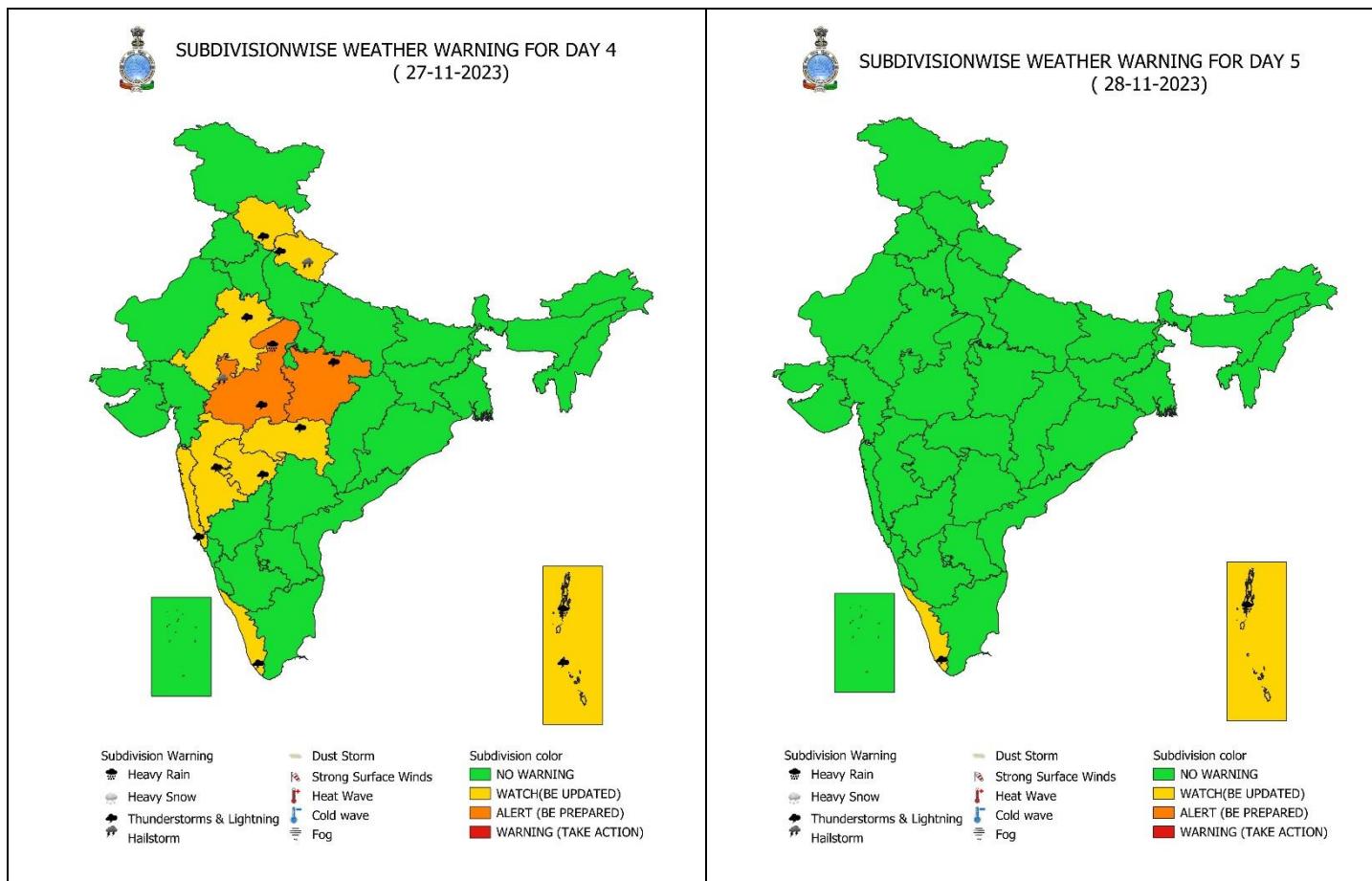


**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2**  
**( 25-11-2023 )**



**SUBDIVISIONWISE WEATHER WARNING FOR DAY 3**  
**( 26-11-2023 )**





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

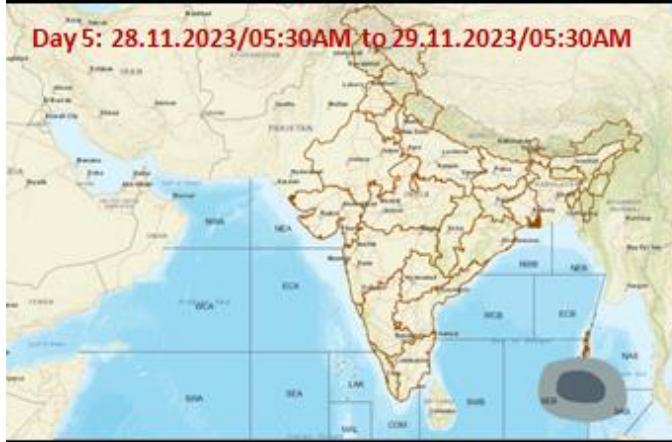
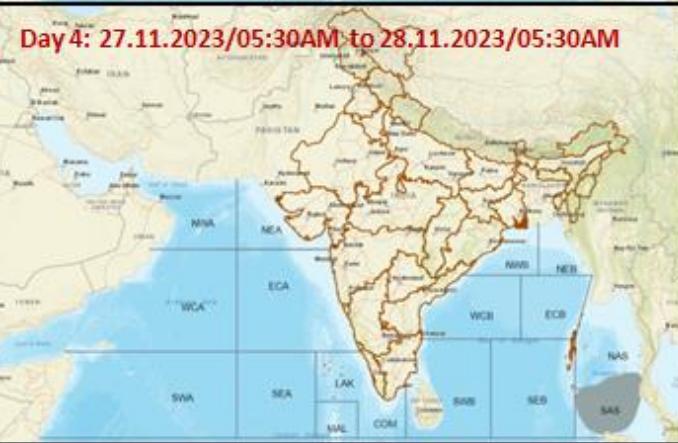
**Impact expected:**

- 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.

### Fishermen warning graphics



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)	
<b>Probabilistic Forecast</b>		<b>Flash Flood Risk</b>			
Terms	Probability of Occurrence (%)				
Unlikely	< 25				
Likely	25 - 50				
Very Likely	50 - 75				
Most Likely	> 75				