



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Saturday, May 11, 2024 Time of Issue: 0800 hours IST (MORNING)

All India Impact Based Weather Warning Bulletin

11 May (Day 1):

- Thunderstorm accompanied with lightning, gusty winds (speed reaching 50-60 kmph) & hailstorm very likely at isolated places over Madhya Pradesh and Uttarakhand; with lightning, gusty winds (speed reaching 40-50 kmph) & hailstorm at isolated places over Madhya Maharashtra; with lightning & hailstorm at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; with lightning & gusty winds (speed reaching 50-60 kmph) at isolated places Gangetic West Bengal; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Himachal Pradesh, Punjab, Bihar, Nagaland, Manipur, Mizoram & Tripura, Marathwada and Kerala & Mahe; with lightning, gusty winds (speed reaching 30-40 kmph) at isolated places over Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Odisha, Assam & Meghalaya, Konkan & Goa, Gujarat Region, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Coastal Karnataka; with lightning at isolated places over Arunachal Pradesh and Lakshadweep.
- Dust Storm/Thunderstorm with gusty winds (speed 40-50 kmph) very likely at isolated places over Rajasthan, Haryana-Chandigarh-Delhi, West Uttar Pradesh; with gusty winds (speed 30-40 kmph) at isolated places over in isolated pockets over East Uttar Pradesh.
- Heavy rainfall very likely at isolated places over Gangetic West Bengal, Odisha, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Karnataka and South Interior Karnataka.
- Hot and humid weather very likely to prevail over Saurashtra & Kutch.

12 May (Day 2):

- Thunderstorm accompanied with lightning, gusty winds (speed reaching 50-60 kmph) & hailstorm very likely at isolated places over East Madhya Pradesh; with lightning, squall wind (speed reaching 50-60 kmph) & hailstorm very likely at isolated places over Uttarakhand; with lightning, gusty winds (speed reaching 40-50 kmph) & hailstorm at isolated places over West Madhya Pradesh, Vidarbha, Madhya Maharashtra, Marathwada; with lightning & gusty winds (speed reaching 50-60 kmph) at isolated places Interior Karnataka; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Himachal Pradesh, East Rajasthan, Chhattisgarh, Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and Telangana; with lightning, gusty winds (speed reaching 30-40 kmph) at isolated places over Punjab, West Rajasthan, Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand, Konkan & Goa, Gujarat Region, Tamil Nadu, Puducherry & Karaikal, Lakshadweep, Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal Karnataka; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Arunachal Pradesh.
- Dust Storm/Thunderstorm with gusty winds (speed 40-50 kmph) very likely at isolated places over East Uttar Pradesh; with gusty winds (speed 30-40 kmph) at isolated places over in isolated pockets over Haryana-Chandigarh-Delhi and West Uttar Pradesh.
- Heavy rainfall very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Karnataka.
- Hot and humid weather very likely to prevail over Saurashtra & Kutch.





13 May (Day 3):

- Thunderstorm accompanied with lightning, squall wind (speed reaching 50-60 kmph) & hailstorm likely at isolated places over Uttarakhand; with lightning, gusty winds (speed reaching 40-50 kmph) & hailstorm at isolated places over Vidarbha; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Himachal Pradesh, Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Madhya Maharashtra, Marathwada, Lakshadweep, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka; with lightning, gusty winds (speed reaching 30-40 kmph) at isolated places over Punjab, East Rajasthan, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Gujarat state, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep, Coastal Karnataka; with lightning at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand and Arunachal Pradesh.
- Dust Storm/Thunderstorm with gusty winds (speed 40-50 kmph) very likely at isolated places over East Uttar Pradesh; with gusty winds (speed 30-40 kmph) at isolated places over in isolated pockets over Haryana-Chandigarh-Delhi and West Uttar Pradesh.
- Heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Karnataka.

14 May (Day 4):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) likely at isolated places over Chhattisgarh, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Vidarbha, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Gujarat state, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep and Coastal Karnataka; with lightning at isolated places Odisha and Arunachal Pradesh.
- **Heavy rainfall** likely at isolated places over Tamil Nadu, Puducherry & Karaikal.

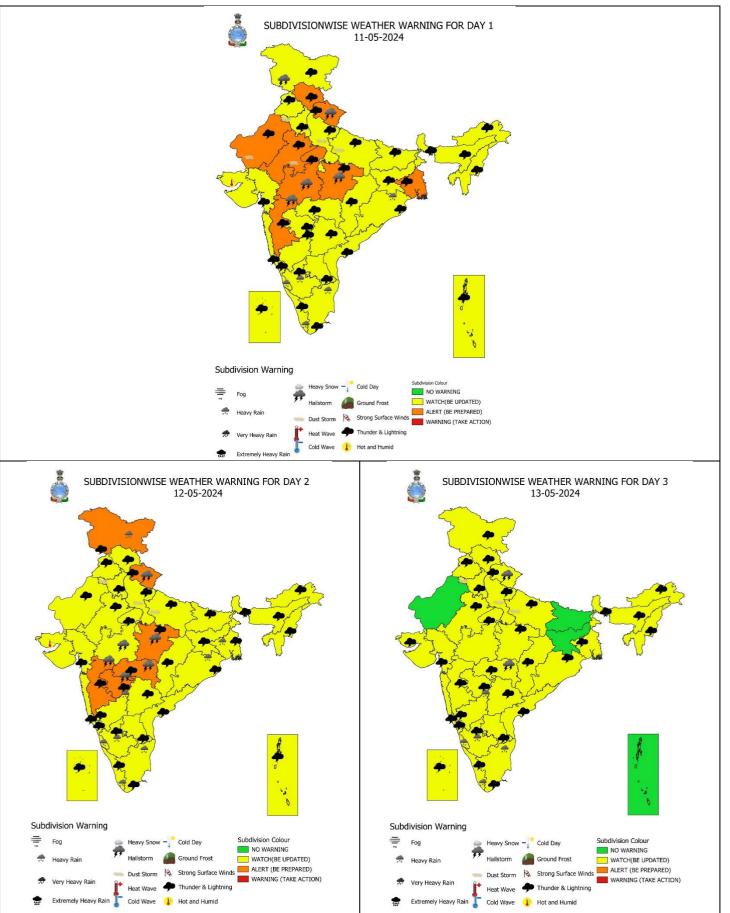
15 May (Day 5):

- Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) likely at isolated places over Chhattisgarh, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Vidarbha, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Gujarat state, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep and Coastal Karnataka; with lightning at isolated places Odisha and Arunachal Pradesh.
- **Heavy rainfall** likely at isolated places over Tamil Nadu, Puducherry & Karaikal.





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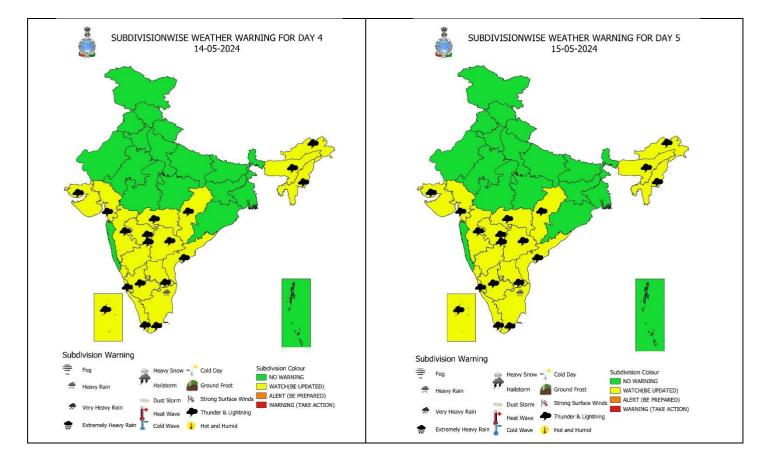


* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action". Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day. For more details, kindly visit https://mausam.imd.gov.in or contact: 011-2434-4599 (Service to the Nation since 1875)





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Impact expected and action suggested due to Heat Wave Conditions:

Yellow alert Areas

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- ✓ Avoid heat exposure.
- ✓ Wear lightweight, light colour, loose, cotton clothes.
- ✓ Cover your head, use a cloth, hat or umbrella.

Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds &

Hailstorm over Northwest, Central India & interior Maharashtra during next 2 days (Refer multi-hazards warning map).

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 Heat Wave likely over various parts of the country:

- Make arrangements to drain out excess water from crop fields to avoid water stagnation in Sub-Himalayan West Bengal, Odisha, Tamil Nadu, Kerala, South Interior Karnataka, Andhra Pradesh and Telangana.
- Use hail nets or hail caps in fruit orchards to prevent mechanical damage and provide mechanical support to horticultural crops & staking to vegetables in Uttarakhand, East Madhya Pradesh and Vidarbha.
- Apply light and frequent irrigation to standing crops to avoid heat stress; provide mulching to conserve soil moisture and minimise evaporation in Saurashtra & Kutch, Rajasthan, and West Madhya Pradesh.
- Provide mechanical support to horticultural crops & staking to vegetables to prevent damage from gusty winds.





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	WARNING Probabilistic For	recast	
		114	
	Unlikely 42	Dccurrence (%)	
	Likely 25-	50	
-	Very Likely 50 -		
- 10			
Rain/ Snow *	Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm* Extremely Heavy: > 204.4 mm/cm *		
	When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly region		
≬+ Heat Wave	(a) Based on Departure from normal Heat Wave: Maximum Temperature Departure from normal 4.5° C to 6.4° C.		
	Severe Heat Wave: Maximum Temperature Departure from normal ≥6.5° C		
	(b). Based on Actual maximum temperature		
	Heat Wave: When actual maximum temperature ≥45°C.		
	Severe Heat Wave: When actual maximum temperature ≥43°C		
	(c). Criteria for heat wave for coastal stations		
	When maximum temperature departure is >4.5°C from normal. Heat Wave may be	described provided maximum	
	temperature ≥37°C		
Î+	When maximum temperature remains 40°C Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C.		
Warm Night	Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C. Severe Warm Night: When minimum temperature departure >6.4 °C.		
	Letter than the the the the the the test of te		
∏− Cold Wave	When minimum temperature of a station ≤10°C for plains and ≤0°	C for hilly regions.	
	(a). Based on departure		
	Cold Wave: Minimum Temperature Departure from normal -4.5 °C to -6.4 °C.		
	Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C		
	(b) Based on actual Minimum Temperature (for Plains only)		
	Cold Wave : When Minimum Temperature is ≤ 4.0 °C		
	Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C		
	(c) For Coastal Stations		
	When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Tempera	ture is ≤ 15 °C	
	When minimum temperature of a station $\leq 10^{\circ}$ C for plains and $\leq 0^{\circ}$ C for	or hilly regions	
_	Based on departure		
Cold Day	Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C.		
	Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C]	
	Phenomenon of small droplets suspended in air and the horiz	zontal visibility < 1km	
		Moderate Fog: When the visibility between 500-200 metres	
Ø			
	Dense Fog: when the visibility between 50- 200 metres		
F og			
	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres Sudden electrical discharges manifested by a flash of light (Lightning)	and a sharp rumbling	
Fog <i>44</i>	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres Sudden electrical discharges manifested by a flash of light (Lightning)		
Fog hunderstorm	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres Sudden electrical discharges manifested by a flash of light (Lightning) sound (thunder) An ensemble of particles of dust or sand energetically lifted to great h		
Fog // hunderstorm Dust/Sand Storm	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres		
Fog	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres		
Fog /// hunderstorm Dust/Sand Storm	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres	eights by a strong and	
Fog /// hunderstorm Dust/Sand Storm	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres	eights by a strong and	
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Fog	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres	eights by a strong and	
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Fog Hunderstorm Dust/Sand Storm Frost Squall Guide	Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres	eights by a strong and	

Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC websites for district wise warning.