



## All India Weather Warning Bulletin

**Tuesday 05 May 2021**  
**Time of Issue: 0830 hours IST**

### (MORNING)

**05 May (Day 1): ♦ ♦ Thunderstorm with lightning, hail & gusty wind** (speed reaching 30-40 kmph) very likely at isolated places over Uttarakhand, Assam & Meghalaya and Telangana; with **lightning & gusty wind** (speed reaching 40-50 kmph) at isolated places over Jharkhand, Gangetic West Bengal and Odisha; with **lightning & gusty wind** (speed reaching 30-40 kmph) at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, East Uttar Pradesh, Bihar, Nagaland, Manipur, Mizoram & Tripura, and Kerala & Mahe and with **lightning** at isolated places over Punjab, Haryana, Chandigarh & Delhi, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Karnataka, Tamilnadu, Puducherry & Karaikal and Lakshadweep.

♦ **Heavy rainfall** very likely at isolated places over West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Coastal & South Interior Karnataka and Kerala & Mahe.

**06 May (Day 2): Thunderstorm with lightning, hail & gusty wind** (speed reaching 30-40 kmph) very likely at isolated places over Uttarakhand and Telangana; with **lightning & gusty wind** (speed reaching 40-50 kmph) at isolated places over Jharkhand and Odisha; with **lightning & gusty wind** (speed reaching 30-40 kmph) at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttar Pradesh, Madhya Pradesh, Vidarbha Chhattisgarh, Bihar, Gangetic West Bengal, Madhya Maharashtra, Marathwada and Kerala & Mahe and with **lightning** at isolated places over Punjab, Haryana, Chandigarh & Delhi, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Karnataka and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm/Duststorm** (speed reaching 40-50 kmph) very likely at isolated places over Rajasthan.

♦ **Heavy rainfall** very likely at isolated places over Uttarakhand, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Coastal & South Interior Karnataka and Kerala & Mahe.

**07 May (Day 3): ♦ Thunderstorm with lightning, hail & gusty wind** (speed reaching 30-40 kmph) likely at isolated places over Uttarakhand; with **lightning & gusty wind** (speed reaching 40-50 kmph) at isolated places over Jharkhand, Sub-Himalayan West Bengal & Sikkim and Odisha; with **lightning & gusty wind** (speed reaching 30-40 kmph) at isolated places over Himachal Pradesh, Uttar Pradesh, Madhya Pradesh, Vidarbha Chhattisgarh, Bihar, Gangetic West Bengal, Madhya Maharashtra, Marathwada and Kerala & Mahe and with **lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Punjab, Haryana, Chandigarh & Delhi, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm/Duststorm** (speed reaching 40-50 kmph) likely at isolated places over Rajasthan.

♦ **Heavy rainfall** likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh and Assam & Meghalaya.

\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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**08 May (Day 4):** ♦ **Thunderstorm with lightning & gusty wind** (speed reaching 40-50 kmph) likely at isolated places over Odisha; with **lightning & gusty wind** (speed reaching 30-40 kmph) at isolated places over Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Madhya Maharashtra, Marathwada and Kerala & Mahe and with **lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Madhya Pradesh, Vidarbha Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm/Duststorm** (speed reaching 40-50 kmph) likely at isolated places over Rajasthan.

♦ **Heavy rainfall** likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

**09 May (Day 5):** ♦ **Thunderstorm with lightning & gusty wind** (speed reaching 30-40 kmph) likely at isolated places over Uttarakhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, West Bengal & Sikkim, north Coastal Andhra Pradesh & Yanam, Interior Karnataka and Kerala Mahe and with **lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Andaman & Nicobar Islands, Arunachal Pradesh, Telangana and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm/Duststorm** (speed reaching 40-50 kmph) likely at isolated places over Rajasthan.

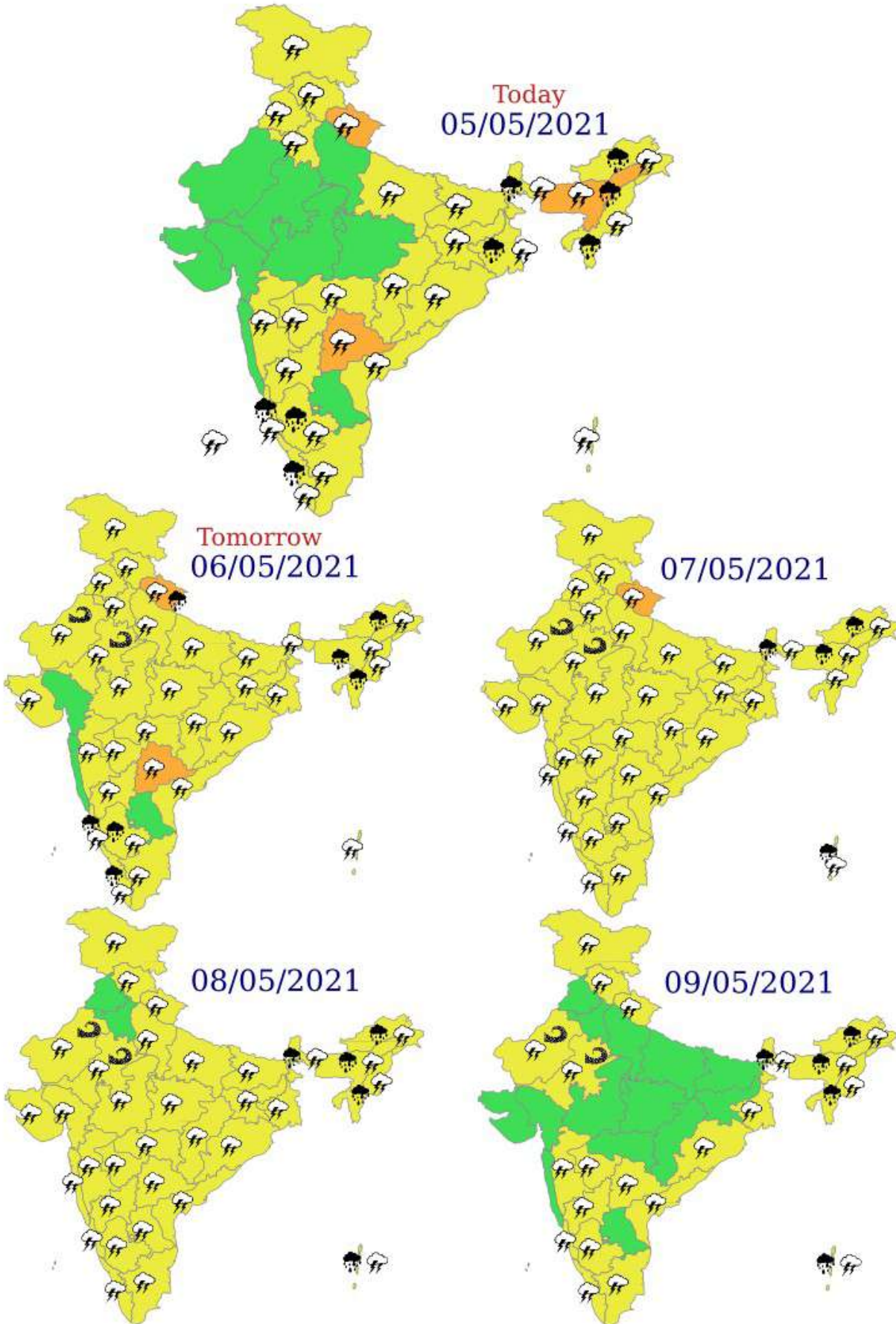
♦ **Heavy rainfall** likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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**Impact expected and action suggested due to Thunderstorm with lightning/hail/gusty winds/ squall over Telangana during 05<sup>th</sup>-06<sup>th</sup>; Uttarakhand during 05<sup>th</sup>-07<sup>th</sup>, and Assam & Meghalaya on 05<sup>th</sup> May, 2021.**

**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.
- Farming operations may be suspended during the event.

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## LEGENDS

### WARNING

WARNING (TAKE ACTION)
ALERT ( BE PREPARED)
WATCH (BE UPDATED)
NO WARNING ( NO ACTION)

### Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

	<p><b>Rain/ Snow *</b></p> <p>Heavy: 64.5 to 115.5 mm/cm *</p> <p>Very Heavy: 115.6 to 204.4 mm/cm*</p> <p>Extremely Heavy: &gt; 204.4 mm/cm *</p>
	<p>When maximum temperature of a station reaches <math>\geq 40^{\circ}\text{C}</math> for plains and <math>\geq 30^{\circ}\text{C}</math> for hilly regions</p> <p><b>(a) Based on Departure from normal</b></p> <p>Heat Wave: Maximum Temperature Departure from normal <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p>Severe Heat Wave: Maximum Temperature Departure from normal <math>\geq 6.5^{\circ}\text{C}</math></p> <p><b>(b). Based on Actual maximum temperature</b></p> <p>Heat Wave: When actual maximum temperature <math>\geq 45^{\circ}\text{C}</math>.</p> <p>Severe Heat Wave: When actual maximum temperature <math>\geq 47^{\circ}\text{C}</math></p> <p><b>(c). Criteria for heat wave for coastal stations</b></p> <p>When maximum temperature departure is <math>&gt;4.5^{\circ}\text{C}</math> from normal. Heat Wave may be described provided maximum temperature <math>\geq 37^{\circ}\text{C}</math></p>
	<p>When maximum temperature remains <math>40^{\circ}\text{C}</math></p> <p>Warm Night: When minimum temperature departure <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p>Severe Warm Night: When minimum temperature departure <math>&gt;6.4^{\circ}\text{C}</math>.</p>
	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions.</p> <p><b>(a). Based on departure</b></p> <p>Cold Wave: Minimum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p>Severe Cold Wave: Minimum Temperature Departure from normal <math>\geq -6.5^{\circ}\text{C}</math></p> <p><b>(b) Based on actual Minimum Temperature (for Plains only)</b></p> <p>Cold Wave : When Minimum Temperature is <math>\leq 4.0^{\circ}\text{C}</math></p> <p>Severe Cold Wave: When Minimum Temperature is <math>\leq 2.0^{\circ}\text{C}</math></p> <p><b>(c) For Coastal Stations</b></p> <p>When Minimum Temperature departure is <math>\leq -4.5^{\circ}\text{C}</math> or actual Minimum Temperature is <math>\leq 15^{\circ}\text{C}</math></p>
	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions</p> <p><b>Based on departure</b></p> <p>Cold Day: Maximum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p>Severe Cold Day: Maximum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p>
	<p><b>Phenomenon of small droplets suspended in air and the horizontal visibility &lt; 1km</b></p> <p>Moderate Fog: When the visibility between 500-200 metres</p> <p>Dense Fog: when the visibility between 50- 200 metres</p> <p>Very Dense Fog: when the visibility &lt; 50 metres</p>
	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
	<p><b>Ice deposits on ground</b></p> <p>Air temperature <math>\leq 4^{\circ}\text{C}</math> ( over Plains)</p>
	<p><b>A strong wind that rises suddenly, lasts for atleast 1 minute.</b></p> <p>Moderate: Wind speed 52-61 kmph</p> <p>Severe: Wind speed 62-87 kmph</p> <p>Very Severe: Wind speed <math>&gt;87</math> kmph</p>
	<p><b>Effect of various waves in the sea over specific area</b></p> <p>Rough to very rough: Wind speed 41-62 kmph (22-33 knots) &amp; Wave height 2.5-6 metre</p> <p>High to very high: Wind speed 63-117 kmph ( 34-63 knots) &amp; Wave height 6-14 metre</p> <p>Phenomenal: Wind speed <math>&gt;117</math> kmph (<math>&gt;63</math> knots) &amp; Wave height <math>&gt;14</math> metre</p>
	<p>Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)</p> <p>Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)</p> <p>Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)</p> <p>Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)</p> <p>Super Cyclone Storm: Wind speed <math>&gt;220</math> kmph (<math>&gt;119</math> knots)</p>

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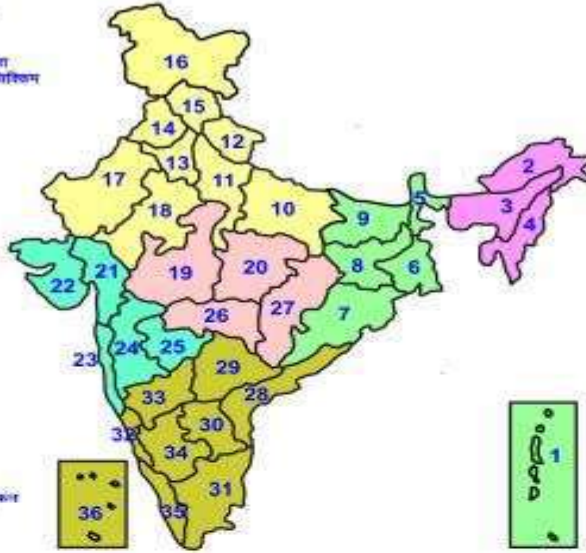
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- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागलैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5 उप-हिमालय पश्चिम बंगाल और सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा, दिल्ली और चंडीगढ़
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू और कश्मीर (जम्मू और लद्दाख)
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात
- 22 कर्नाटक
- 23 कर्नाटक (दक्षिण)
- 24 मध्य प्रदेश
- 25 मध्य प्रदेश
- 26 छत्तीसगढ़
- 27 आंध्र प्रदेश
- 28 आंध्र प्रदेश (दक्षिण)
- 29 तेलंगाना
- 30 तेलंगाना
- 31 तमिलनाडु
- 32 तमिलनाडु (दक्षिण)
- 33 तमिलनाडु (दक्षिण)
- 34 केरल
- 35 केरल
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Ctd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamil Nadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. 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)

### WARNING

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### Probabilistic Forecast

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Unlikely	< 25
Likely	25 - 50
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Most Likely	> 75

Heavy Rain	Heavy Snow	Thunderstorm	Dust Storm
Strong Winds	Visibility	Cyclone	Squall/ Hail
Frost	Cold Wave	Heat Wave	Sea State

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

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