



## All India Impact Based Weather Warning Bulletin

Wednesday 12 May 2021  
Time of Issue: 1345 hours IST

### (MID-DAY)

**12 May (Day 1):** ♦ **Thunderstorm with lightning, hail & squall (speed reaching 50-60 kmph)** very likely at isolated places over Punjab and Haryana, Chandigarh & Delhi; **with lightning, hail & gusty winds (speed reaching 40-50 kmph)** very likely at isolated places over Odisha; **with lightning, hail & gusty winds (speed reaching 30-40 kmph)** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand and Telangana; **with lightning & gusty wind (speed reaching 30-40 kmph)** at isolated places over Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Rayalaseema, Kerala & Mahe and Lakshadweep; **with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Karnataka and Tamil Nadu, Puducherry & Karaikal.

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

♦ **Heavy to Very Heavy Rainfall** very likely at isolated places over Kerala & Mahe and **Heavy Rainfall** at isolated places over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Squally Weather** (wind speed reaching 40-50 kmph) very likely over Southwest and adjoining Southeast Arabian Sea and adjoining equatorial India Ocean, Maldives, Comorin and Lakshadweep area. Fishermen are advised not to venture into these areas.

**13 May (Day 2):** ♦ **Thunderstorm with lightning, hail & squall (speed reaching 50-60 kmph)** very likely at isolated places over Punjab and Haryana, Chandigarh & Delhi; **with lightning, hail & gusty winds (speed reaching 30-40 kmph)** at isolated places over Himachal Pradesh, Uttarakhand and Telangana; **with lightning & gusty wind (speed reaching 40-50 kmph)** at isolated places over Gangetic West Bengal; **with lightning & gusty wind (speed reaching 30-40 kmph)** at isolated places over Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Kerala & Mahe and Lakshadweep; **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal.

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

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

♦ **Squally wind** speed reaching 40-50kmph gusting to 60kmph over Southeast Arabian Sea and adjoining equatorial India Ocean, Maldives, Comorin and Lakshadweep area and along and off Kerala coast. Squally Weather (wind speed reaching 40-50 kmph) very likely over Southwest and adjoining equatorial India Ocean. Fishermen are advised not to venture into these areas.

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

♦ **Heavy to very heavy rainfall with extremely heavy falls** likely at isolated places Lakshadweep; **heavy to very heavy rainfall** at a few places over Kerala & Mahe and at isolated places over Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **Heavy Rainfall** at isolated places over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya.

♦ **Squally wind** speed reaching 45kmph gusting to 55kmph over Southeast Arabian Sea and adjoining equatorial India Ocean, Maldives, Comorin and Lakshadweep area and along and off Kerala coast. Squally Weather (wind speed reaching 40-50 kmph) also very likely over Southwest and adjoining equatorial India Ocean. Sea conditions over southeast Arabian Sea and adjoining Lakshadweep - Maldives area & equatorial Indian Ocean will be rough to very rough. Sea conditions will be rough to very rough over Comorin area and along & off Kerala coast. Fishermen are advised not to venture into these areas.

\* Red color warning does not mean "Red Alert" Red color 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 [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Service to the Nation since 1875)



**15 May (Day 4): ♦ Thunderstorm with lightning & gusty wind (speed reaching 30-40 kmph)** likely at isolated places over Madhya Maharashtra, Marathwada, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep; **with lightning** at isolated places over Chhattisgarh, Gangetic West Bengal, Gujarat state, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Telangana.

♦ **Heavy to very heavy rainfall with extremely heavy falls** likely at isolated places Lakshadweep; **heavy to very heavy rainfall** at a few places over Coastal & South Interior Karnataka and Kerala & Mahe and at isolated places over Tamil Nadu, Puducherry & Karaikal and **Heavy Rainfall** at isolated places over Konkan & Goa, Rayalaseema and North Interior Karnataka.

♦ **Squally wind** speed reaching 50-60 kmph gusting to 70kmph over southeast Arabian Sea and adjoining east central Arabian Sea, and along and off Kerala -Karnataka coast, Lakshadweep, Maldives areas and adjoining equatorial Indian Ocean till afternoon of 15th May. It is likely to increase with Gale wind speed 60-70 kmph gusting to 80kmph over East central Arabian Sea and adjoining southeast Arabian Sea and Lakshadweep area from night of 15th May. Squally wind speed reaching 40-50 kmph gusting to 60kmph also very likely along and off Maharashtra coast. Squally Weather (wind speed reaching 40-50 kmph) very likely over Southwest and adjoining equatorial India Ocean. Sea conditions over southeast Arabian Sea and adjoining Lakshadweep - Maldives area & equatorial Indian Ocean will be rough to very rough. Sea conditions will be rough to very rough over eastcentral Arabian Sea along & off Karnataka coast. Tidal wave of about 1 meter height above the astronomical tide is very likely to inundate low lying areas of Lakshadweep Islands. Fishermen are advised not to venture into these areas.

**16 May (Day 5): ♦ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph)** likely at isolated places over Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep; **with lightning** at isolated places over Vidarbha, Chhattisgarh, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada and Coastal Andhra Pradesh & Yanam, Rayalaseema.

♦ **Heavy to very heavy rainfall** likely at a few places over Coastal & South Interior Karnataka and at isolated places North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and Lakshadweep and **Heavy Rainfall** at isolated places over Konkan & Goa and Telangana.

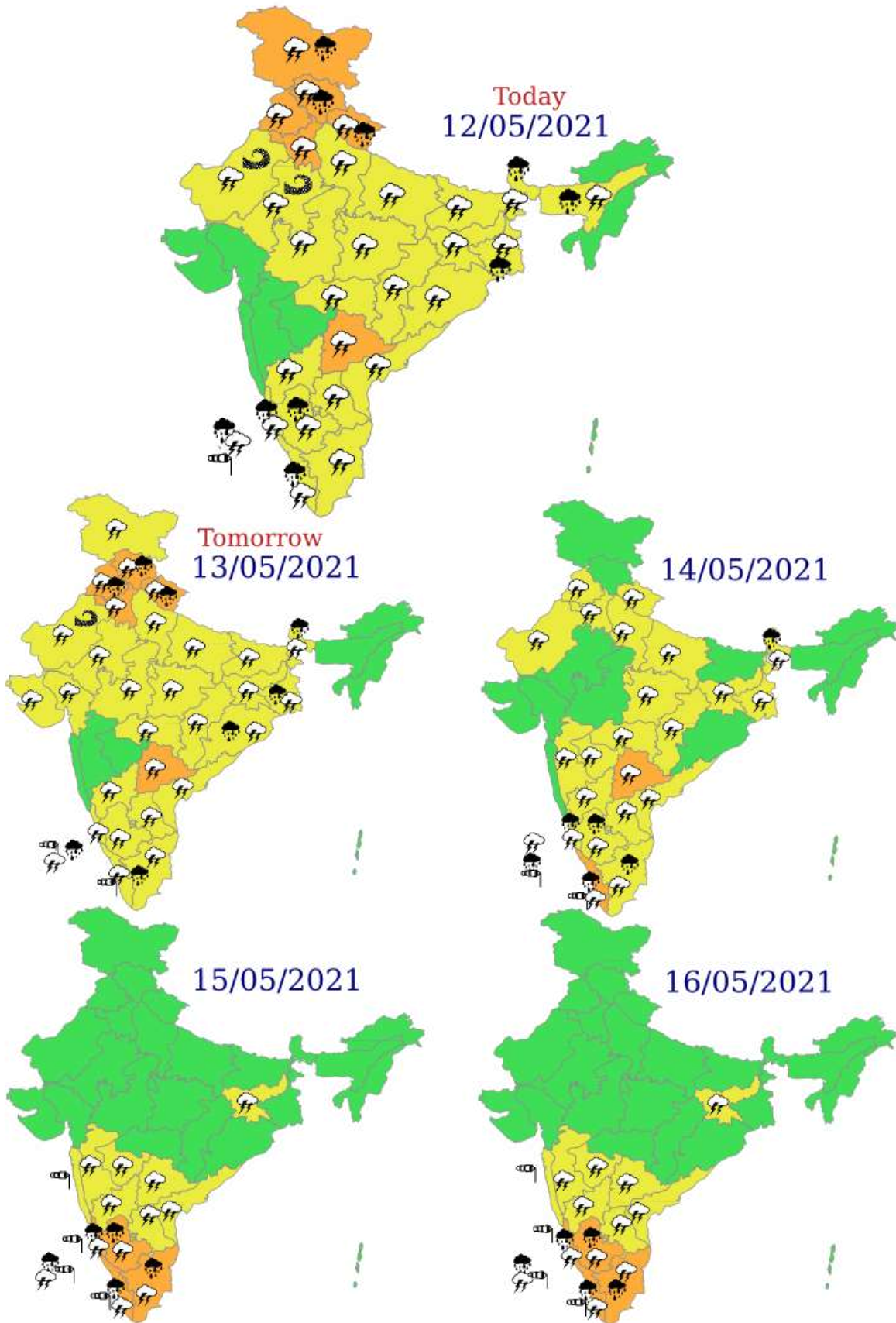
♦ **Gale wind** speed reaching 70-80 kmph gusting to 90 kmph likely over eastcentral Arabian Sea and Gale wind speed 60-70 kmph gusting to 80kmph likely over southeast Arabian Sea and along and off Kerala -Karnataka coast, Lakshadweep, Maldives areas and adjoining equatorial Indian Ocean. Squally wind speed reaching 40-50 kmph gusting to 60kmph also very likely along and off Maharashtra coast. Squally Weather (wind speed reaching 40-50 kmph) very likely over Southwest and adjoining equatorial India Ocean. Sea conditions will be very rough to Phenomenal over eastcentral Arabian Sea and rough to very rough along & off Goa, Karnataka, Kerala coast, southeast Arabian Sea and adjoining Lakshadweep - Maldives area & equatorial Indian Ocean. Tidal wave of about 1 meter height above the astronomical tide is very likely to inundate low lying areas of Lakshadweep Islands. Fishermen are advised not to venture into these areas.

\* Red color warning does not mean "Red Alert" Red color 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 [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Service to the Nation since 1875)



\* Red color warning does not mean "Red Alert" Red color 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 [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Service to the Nation since 1875)



**Impact expected and action suggested due to Thunderstorm with lightning/hail/gusty winds/ Thundersquall over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Odisha on 12<sup>th</sup> and Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi and Telangana on 12<sup>th</sup> & 13<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.

\* Red color warning does not mean "Red Alert" Red color 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 [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Service to the Nation since 1875)





## 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><b>Heat Wave</b></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>(a) Based on Departure from normal</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). Based on Actual maximum temperature</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>( c). Criteria for heat wave for coastal stations</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><b>Warm Night</b></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><b>Cold Wave</b></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>(a). Based on departure</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) Based on actual Minimum Temperature (for Plains only)</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>( c) For Coastal Stations</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><b>Cold Day</b></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>Based on departure</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>Fog</b></p> <p>Phenomenon of small droplets suspended in air and the horizontal visibility <math>&lt; 1\text{km}</math></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 <math>&lt; 50</math> metres</p>
	<p><b>Thunderstorm</b></p> <p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
	<p><b>Dust/Sand Storm</b></p> <p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
	<p><b>Frost</b></p> <p>Ice deposits on ground</p> <p>Air temperature <math>\leq 4^{\circ}\text{C}</math> ( over Plains)</p>
	<p><b>Squall</b></p> <p>A strong wind that rises suddenly, lasts for atleast 1 minute.</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>Sea State</b></p> <p>Effect of various waves in the sea over specific area</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><b>Cyclone</b></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>

\* Red color warning does not mean "Red Alert" Red color 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

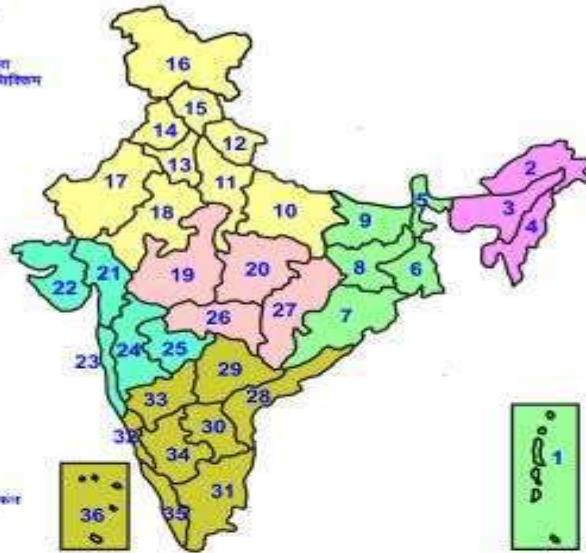
For more details kindly visit [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Service to the Nation since 1875)



## LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5 पश्चिम-हिमालय पश्चिम बंगाल और सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखण्ड
- 13 हरियाणा, चंडीगढ़, दिल्ली, पंजाब
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात
- 22 सौराष्ट्र
- 23 कर्नाटक
- 24 मध्य महाराष्ट्र
- 25 महाराष्ट्र
- 26 विहार
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यानम
- 29 तेलंगाना
- 30 कर्नाटक
- 31 तमिलनाडु, पुदुचेरी एवं केरल
- 32 तटीय कर्नाटक
- 33 आंतरिक पश्चिमी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 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. Maharashtra
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamil Nadu, Puducherry & Karakal
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

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

	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.

\* Red color warning does not mean "Red Alert" Red color 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 [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Service to the Nation since 1875)