



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Sunday, April 27, 2025 Time of Issue: 0750 hours IST (MORNING)

All India Impact Based Weather Warning Bulletin

Weather Warnings for next 7 days is given below: (Graphics for warnings & rainfall distribution (Table 1) are given below the text:

27th April (Day 1)

- **Heavy to very heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim and Bihar.
- ❖ Thundersquall with wind speed reaching 50-60kmph very likely at isolated places over Assam & Meghalaya, West Bengal & Sikkim, Bihar, East Madhya Pradesh, Vidarbha, Chhattisgarh, North Interior Karnataka and Odisha.
- Thunderstorms with gusty winds(40-50kmph) very likely at isolated places over Nagaland, Manipur, Meghalaya & Tripura, Jharkhand, West Madhya Pradesh, Telangana, East Uttar Pradesh and South Interior Karnataka.
- **Thunderstorms with gusty winds(30-40kmph)** very likely at isolated places over Madhya Maharashtra, Marathwada, Kerala, Coastal Andhra Pradesh & Yanam and Rayalaseema.
- **Thunderstorm & Lightning** very likely at isolated places over Arunachal Pradesh, Uttarakhand, Costal Karnataka and Tamil Nadu, Puducherry & Karaikal.
- **Hailstorm** very likely at isolated places over Arunachal Pradesh, Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh and North Interior Karnataka.
- ❖ Hot and Humid weather very likely at isolated places over Gujarat state, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- **Warm Night conditions** very likely at isolated places over West Rajasthan and Telangana.
- ❖ Heat Wave conditions very likely in isolated pockets over Haryana, Chandigarh, Punjab, West Rajasthan, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Madhya Pradesh.
- ❖ Squally weather with wind speed 45 kmph to 50 kmph gusting to 55 kmph very likely to prevail along and off north Odisha and west Bengal coasts. Fishermen are advised not to venture into these areas.

28th April (Day 2)

- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, Bihar and Odisha.
- ❖ Thundersquall with wind speed reaching 50-60kmph very likely at isolated places over Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- ❖ Thunderstorms with gusty winds(40-50kmph) very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, West Madhya Pradesh and Interior Karnataka.
- ❖ Thunderstorms with gusty winds(30-40kmph) very likely at isolated places over East Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe.
- **Thunderstorm & Lightning** very likely at isolated places over Arunachal Pradesh and Costal Karnataka.
- ❖ Hailstorm very likely at isolated places over Odisha, East Madhya Pradesh and Chhattisgarh.
- **\Display Hot and Humid weather** very likely at isolated places over Gujarat state.
- **❖ Warm Night conditions** very likely at isolated places over West Rajasthan.
- ❖ **Heat Wave conditions** very likely in isolated pockets over Haryana, Chandigarh & Delhi, Punjab, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan and West Madhya Pradesh.
- ❖ Squally weather with wind speed 45 kmph to 50 kmph gusting to 55 kmph very likely to prevail along and off north Odisha and west Bengal coasts. Fishermen are advised not to venture into these areas.



29th April (Day 3)

- ❖ Heavy Rainfall likely at isolated places over Odisha, Jharkhand and Kerala & Mahe.
- **❖ Thundersquall with wind speed reaching 50-60kmph** likely at isolated places over Odisha and Jharkhand.
- ❖ Thunderstorms with gusty winds(40-50kmph) likely at isolated places over Assam & Meghalaya, Gangetic West Bengal, East Madhya Pradesh, Vidarbha, Chhattisgarh, East Uttar Pradesh and North Interior Karnataka.
- ❖ Thunderstorms with gusty winds(30-40kmph) likely at isolated places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Bihar, West Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema and South Interior Karnataka.
- **Thunderstorm & Lightning** likely at isolated places over Costal Karnataka and Kerala & Mahe.
- **\Delta Hot and Humid weather** likely at isolated places over Gujarat state.
- **Warm Night conditions** likely at isolated places over West Rajasthan.
- ❖ Heat Wave conditions likely in isolated pockets over Haryana, Chandigarh & Delhi, Punjab, Rajasthan and West Madhya Pradesh.
- ❖ Squally weather with wind speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off north Odisha and west Bengal coasts. Fishermen are advised not to venture into these areas.

30th April (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Odisha and Kerala & Mahe.
- Thunderstorms with gusty winds(40-50kmph) likely at isolated places over Assam & Meghalaya, Odisha, East Madhya Pradesh, Vidarbha, Chhattisgarh and Interior Karnataka.
- ❖ Thunderstorms with gusty winds(30-40kmph) likely at isolated places over Gangetic West Bengal, Jharkhand, Bihar, West Uttar Pradesh, Punjab, Coastal Andhra Pradesh & Yanam, Rayalaseema and Haryana, Chandigarh & Delhi.
- **❖ Thunderstorm & Lightning** likely at isolated places over Nagaland, Manipur, Mizoram & Tripura, Costal Karnataka and Kerala & Mahe.
- **\Delta** Hot and Humid weather likely at isolated places over Gujarat state.
- **❖ Warm Night conditions** likely at isolated places over West Rajasthan.
- ❖ Heat Wave conditions likely in isolated pockets over Haryana, Chandigarh & Delhi, Punjab, Rajasthan and West Madhya Pradesh.

01st May (Day 5)

- **❖ Thunderstorms with gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- **\Display** Hot and Humid weather likely at isolated places over Gujarat state.
- **❖ Warm Night conditions** likely at isolated places over West Rajasthan.
- ❖ Heat Wave conditions likely in isolated pockets over Punjab, Rajasthan and West Madhya Pradesh.





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02nd May (Day 6)

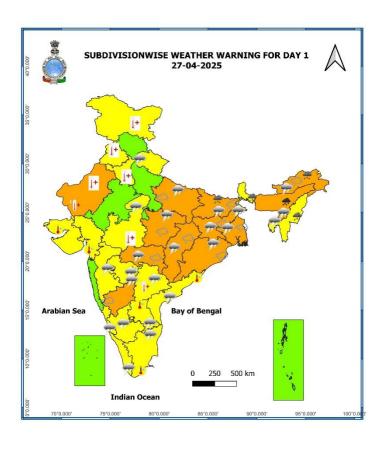
- Thunderstorms with gusty winds(30-40kmph) likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- **Warm Night conditions** likely at isolated places over West Rajasthan.
- **\Delta Heat Wave conditions** likely in isolated pockets over Rajasthan and West Madhya Pradesh.

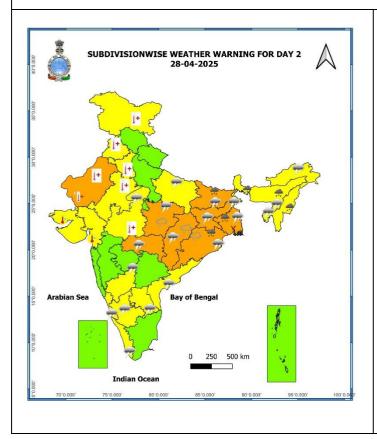
03rd May (Day 7)

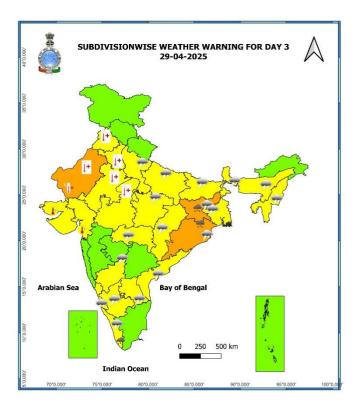
- ❖ Thunderstorms with gusty winds(30-40kmph) likely at isolated places over Haryana, Chandigarh & Delhi and Punjab.
- **Warm Night conditions** likely at isolated places over West Rajasthan.
- **\Delta Heat Wave conditions** likely in isolated pockets over Rajasthan and West Madhya Pradesh.







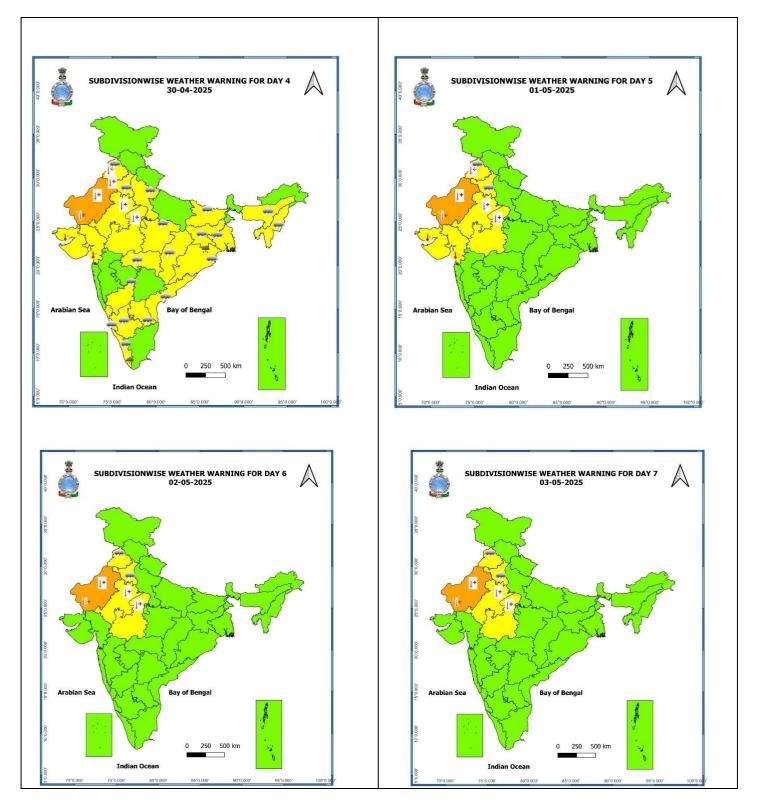








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- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.





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Table-1

7 Days Rainfall Forecast								
S. No.	Subdivision	27-Apr	28-Apr	29-Apr	30-Apr	01-May	02-May	03-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	WS	FWS	SCT	SCT	SCT	SCT	SCT
3	ASSAM & MEGHALAYA	WS	FWS	FWS	FWS	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	FWS	SCT	SCT	SCT	SCT	SCT	SCT
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	WS	FWS	FWS	SCT	SCT	SCT	SCT
6	GANGETIC WEST BENGAL	FWS	WS	WS	FWS	SCT	SCT	SCT
7	ODISHA	ISOL	SCT	FWS	FWS	FWS	FWS	FWS
8	JHARKHAND	SCT	FWS	FWS	FWS	SCT	ISOL	ISOL
9	BIHAR	FWS	SCT	SCT	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
11	WEST UTTAR PRADESH	DRY	DRY	ISOL	ISOL	SCT	SCT	SCT
12	UTTARAKHAND	ISOL	DRY	ISOL	SCT	SCT	SCT	SCT
13	HARYANA CHANDIGARH & DELHI	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
14	PUNJAB	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	DRY	DRY	DRY	ISOL	SCT	SCT
16	JAMMU & KASHMIR AND LADAKH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
17	WEST RAJASTHAN	DRY						
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL						
21	GUJARAT REGION	DRY						
22	SAURASHTRA & KUTCH	DRY						
23	KONKAN & GOA	DRY						
24	MADHYA MAHARASHTRA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
26	VIDARBHA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
28	COASTAL ANDHRA PRADESH & YANAM	ISOL						
29	TELANGANA	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL						
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL						
32	COASTAL KARNATAKA	SCT	SCT	ISOL	ISOL	SCT	SCT	SCT
33	NORTH INTERIOR KARNATAKA	ISOL						
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
35	KERALA & MAHE	SCT						
36	LAKSHADWEEP	SCT						

• As the lead period increases forecast accuracy decreases.





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Impact expected and action suggested due to isolated thunderstorm with lightning/gusty & Squally winds & Hailstorm over

- ✓ **Isolated hailstorm** activity likely over East Madhya Pradesh, Chhattisgarh on 27th & 28th; Vidarbha, Gangetic West Bengal, Bihar, Jharkhand on 27th; Odisha on 27th & 28th, North Interior Karnataka on 27th April.
- ✓ **Thundersquall (wind speed reaching 50-60 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 27th; Gangetic West Bengal, Vidarbha, Chhattisgarh on 27th & 28th; Assam & Meghalaya on 27th; Bihar during on 27th & 28th, Odisha during 27th-29th and Jharkhand on 28th & 29th April.

Impact expected:

- ➤ Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- 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:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- 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.

Impact expected and action suggested due to Heat wave conditions over plains of Northwest India & adjoining Central India till 30th April.

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.





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Impact & Action Suggested due to heavy to very heavy rainfall over Assam & Meghalaya on 27th April.

Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- ❖ Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Agromet advisories for likely impact of Hailstorm / Heavy Rainfall / Gusty Winds / Heat wave

- ➤ Postpone sowing of *Jhum* paddy and transplanting of banana in **Arunachal Pradesh**; planting of ginger and turmeric and transplanting of papaya and banana in **Assam**; planting of ginger and transplanting of chilli and brinjal in **Meghalaya**.
- In Arunachal Pradesh, Assam, Meghalaya, Tripura, Sub Himalayan West Bengal & Sikkim and Bihar, make provision to drain out excess water from standing crop and vegetable fields.
- ➤ In Arunachal Pradesh, West Bengal, Sikkim, Odisha, Bihar, Jharkhand, North-East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh and Interior Karnataka, use hail net and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms.
- > To protect standing crops, vegetables and orchards from adverse effects of heat waves and high temperatures, apply light and frequent irrigation in the evening.
- ➤ Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.
- Provide mechanical support to horticultural crops and staking to vegetables to avoid lodging.

Livestock / Poultry / Fishery

- ➤ Keep the animals inside the shed during heavy rainfall / hailstorm and provide them balanced feed.
- > Store feed and fodder in a safe place to prevent spoilage.
- To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass. Also, provide clean, hygienic and plenty of drinking water to animals.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.



LEGENDS

16

15

19

26

30

36

14



- 2. अरुणाचल प्रदेश
- 3. असम और मेघालय
- 4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
- गंगीय पश्चिम बंगाल
- 7. ओडिशा
- 8. झारखंड
- 9. बिहार
- 10. पूर्वी उत्तर प्रदेश
- 11. पश्चिम उत्तर प्रदेश
- 12. उत्तराखंड
- 13. हरियाणा, चंडीगढ़ और दिल्ली
- 14. पंजाब
- 15. हिमाचल प्रदेश
- 16. जम्मू और कश्मीर और लद्दाख
- 17. पश्चिम राजस्थान
- 18. पूर्वी राजस्थान
- 19. पश्चिम मध्य प्रदेश
- 20. पूर्वी मध्य प्रदेश
- 21. गुजरात
- 22. सौराष्ट्र
- 23. कोंकण और गोवा
- 24. मध्य महाराष्ट्र
- 25. मराठवाड़ा
- 26. विदर्भ
- 27. छत्तीसगढ़
- 28. तटीय आंध्र प्रदेश और यनम
- 29. तेलंगाना
- 30. रायलसीमा
- 31. तमिलनाडु, पुडुचेरी और कराईकल
- 32. तटीय कर्नाटक
- 33. आतंरिक उत्तरी कर्नाटक

S Dust Raising Winds

- 34. आतंरिक दक्षिणी कर्नाटक
- 35. केरल और 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. Odisha
 - 8. Jharkhand
 - 9. Bihar
 - 10. East Uttar Pradesh
 - 11. West Uttar Pradesh
 - 12. Uttarakhand
 - 13. Haryana, Chandigarh & 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. Vidarbha

1

- 27. Chhattisgarh
- 28. Coastal Andhra Pradesh & Yanam
- 29. Telangana
- 30. Rayalaseema
- 31. Tamilnadu, 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)



Strong Surface Winds

COLOUR CODED WARNING

No Warning (No Action)

Watch (Be Aware)

Alert (Be Prepared To Take Action)

Warning (Take Action)

Probabilistic Forecast

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



	DEFINITION/CRITERIA
	Heavy: 64.5 to 115.5 mm/cm *
Rain/ Snow *	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 regions (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
Heat Wave	(b). Based on Actual maximum temperature
	Heat Wave: When actual maximum temperature ≥45°C.
	Severe Heat Wave: When actual maximum temperature ≥47°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
	When maximum temperature remains 40°C
Varm Night	Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C.
	Severe Warm Night: When minimum temperature departure >6.4 °C.
	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.
Cold Wave	Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C
Cold Wave	(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 Temperature is ≤ 15 °C
	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions
0-1-1-0	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 horizontal visibility < 1km
Fog	Moderate Fog: When the visibility between 500-200 metres Dense Fog: when the visibility between 50-200 metres
	Very Dense Fog: when the visibility < 50 metres
	Sudden alcetrical disaborace manifested by a flesh of light /lightning) and a shorp numbling
nunderstorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)
Dust/Sand Storm	An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.
	Ice deposits on ground
Frost	Air temperature ≤4°C (over Plains)
	A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph
Squall	Severe: Wind speed 62-87 kmph
	Very Severe: Wind speed >87 kmph
	Effect of various waves in the sea over specific area
Son State	Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre
Sea State	High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre
	Thenomena. Third speed > 117 kinph (>00 kilots) a wave neight > 14 mette
	Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)
0	Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)
Cyclone	Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)
	Super Cyclone Strom: Wind speed >220 kmph (>119 knots)

*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)

Hot and Humid: When maximum temperatures remains 3°C above normal along with the above normal relative humidity.