

Government of India Ministry of Earth Sciences India Meteorological Department



Subject: (i) Wet spell likely to continue over Western Himalayan region during next one week with peak intensity on 22nd & 23rd January, 2025.

(ii) Dense to very dense fog conditions likely to continue over Northwest India during next 2 days and decrease in intensity thereafter.

Realised weather during past 24 hours till 0830 hours IST of today (Annexure I)

- Cold day conditions prevailed in isolated pockets of East Rajasthan.
- Dense to very dense fog (visibility< 50 m) reported in most parts of Punjab; in some parts of Haryana; in isolated pockets of Chandigarh, West Uttar Pradesh, Rajasthan, West Madhya Pradesh, Odisha and dense fog (visibility 50-199 m) reported in isolated pockets of Himachal Pradesh, East Uttar Pradesh and Tripura.
- Visibility reported (<200 m) (in meter): Punjab: Amritsar, Pathankot, Adampur, Ludhiana 0 each; Haryana: Sirsa, Nahan 0 each, Bhiwani, Hisar 10 each; Chandigarh 40; Delhi: Palam 0, Safdarjung 200; West Uttar Pradesh: Agra Airport, Jhansi 0 each; East Rajasthan: Pilani, Ajmer 0 each, Jaipur 200; West Rajasthan: Ganganagar 0, Bikaner & Churu 200 each; West Madhya Pradesh: Gwalior & Bhopal 0 each; Himachal Pradesh: Bilaspur 50, Sundernagar, Mandi 100; East Uttar Pradesh: Lucknow Airport 50, Varanasi 200; Tripura: Agartala 50.
- **Ground Frost conditions** reported in isolated pockets of Himachal Pradesh.
- Heavy rainfall recorded at isolated places over Tamil Nadu.

Weather Systems, Forecast and warning (Annexure II & III):

- Under the influence of Western Disturbance as a trough in lower and middle tropospheric levels roughly along Long.
 54°E to the north of Lat. 30°N, isolated to scattered rainfall/snowfall likely over Western Himalayan Region till 20th January.
- The distribution and intensity of rainfall/snowfall likely to increase over Western Himalayan region during 21st-23rd January (with peak intensity on 22nd & 23rd) due to the likely merging of a fresh Western disturbance with the above system. Isolated to scattered rainfall is also likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and West Uttar Pradesh during 21st-23rd January.
- Thunderstorm activity at isolated places likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 21st January.
- Light to moderate rainfall accompanied with thunderstorm & lightning very likely at a few places over Tamil Nadu, Puducherry & Karaikal on 18th & 19th and Kerala & Mahe on 19th January. Isolated **heavy rainfall** likely over Tamilnadu, Puducherry & Karaikal during 17th-19th and Kerala & Mahe on 19th January.

ii. Temperature, Cold Wave, Cold Day and Fog Forecast:

Temperature Conditions during past 24 hours till 0830 hours IST of today (Annexure IV):

- Minimum temperatures are below 0°C over many parts of Jammu, Kashmir & Ladakh; 1-5°C over some parts of Himachal Pradesh; 6-10°C over many parts of Northwest India; 10-15°C over many parts of Central & East India; 15-20°C over many parts of West India. Today, the lowest minimum temperature of 2.8°C is reported at Pathankot (Punjab) over the plains of the country.
- During the past 24 hours, there has been fall in minimum temperatures by 3-5°C in some parts of Himachal Pradesh; by 1-3°C in many parts of Odisha; in some parts of Haryana, Chandigarh & Delhi, Uttar Pradesh, West Madhya Pradesh, Tamilnadu Puducherry & Karaikal; in isolated pockets of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-

Muzaffarabad, Uttarakhand, Rajasthan, Telangana and **rise by 1-3^oC** in some parts of Bihar, West Bengal & Sikkim, Gujarat State; in isolated pockets of East Madhya Pradesh, Assam & Meghalaya, Chhattisgarh and Madhya Maharashtra.

Minimum temperatures are below normal (-1°C to -3°C) at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad. These are appreciably above normal (3°C to 5°C) at isolated places over West Madhya Pradesh, Konkan & Goa, Bihar; above normal (1°C to 3°C) at isolated places over East Uttar Pradesh, Telangana, Rayalaseema, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra, Sub-Himalayan West Bengal & Sikkim, East Madhya Pradesh, Assam & Meghalaya, Tamil Nadu, Puducherry & Karaikal and near normal over rest part of the country.

Forecast of temperature:

- No significant change in minimum temperatures likely over Northwest India during next 48 hours and gradual rise by 2-3°C thereafter.
- Gradual rise in minimum temperatures by 2-3°C likely over Gujarat Region during next 48 hours and no significant change thereafter.
- No significant change in minimum temperatures likely over Central & East India and Maharashtra region during next 5 days.

Cold Wave Warnings:

Cold wave conditions very likely in isolated pockets over Himachal Pradesh during 17th-19th January.

Dense Fog Warnings:

Dense to very Dense fog Condition very likely to continue to prevail during night/early morning hours in many parts of Punjab, Haryana, Chandigarh on 17th; in some parts on 18th; in isolated pockets of Punjab, Haryana, Chandigarh on 19th; Uttar Pradesh & West Rajasthan on 17th and East Rajasthan on 17th & 18th January.

Dense fog conditions very likely to continue to prevail during night/early morning hours in isolated pockets of Uttarakhand till 18th; Uttar Pradesh & West Rajasthan on 18th & 19th; East Rajasthan on 19th & 20th; Himachal Pradesh till 20th January.

Cold Day Warnings:

Cold day conditions very likely in isolated pockets of Punjab, Haryana, Chandigarh on 17th & 18th and Rajasthan on 17th January.

Ground Frost Warnings:

Ground frost conditions very likely in isolated pockets of Himachal Pradesh and Uttarakhand on 17th January.

Fishermen Warnings (Annexure V):

Fishermen are advised not to venture into Comorin area & adjoining Gulf of Mannar during 17th-19th; southern parts of southeast Bay of Bengal and adjoining southwest Bay of Bengal, Somalia coast & adjoining sea area on 17th January.

iii. Weather conditions and forecast over Delhi/NCR during 17th Jan. to 20th Jan. 2025 (Annexure VI)

For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php For District wise warnings refer: https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

ANNEXURE I

Significant Rainfall recorded during past 24 hours till 0830 hours IST of today 17.01.2025 (in cm):

Tamilnadu Puducherry & Karaikal: Oothu (dist Tirunelveli), Nalumukku (dist Tirunelveli) 7 each, Kakkachi (dist Tirunelveli) 5, Manjolai (dist Tirunelveli) 4

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

• As the lead period increases forecast accuracy decreases

ANNEXURE III





- 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.

Fig. 1: Maximum Temperatures

Fig. 2: Departure of Maximum Temperatures



Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures









Weather forecast over Delhi/NCR during 17th to 20th Jan. 2025

Past Weather:

There has been a fall in minimum temperature upto 01°C over Delhi/NCR during past 24hr. The Maximum and Minimum temperatures over Delhi are in the range of 17 to 20°C and 8 to 9°C respectively. The minimum temperature was near normal and maximum temperature was below normal upto 02°C over most places. Very dense fog was reported at Palam airport. Palam airport recorded the lowest visibility 00m from 0300 hours to 0600 hours IST and 50m from 0630 hours to 0800 hours IST which improved thereafter becoming 100 m at 0830 hours IST. Safdarjung airport recorded the lowest visibility 200 m from 0130 hours to 0830 hours IST. Mainly cloudy sky conditions with predominant surface wind from the northwest direction with wind speed reaching 06 to 08 kmph prevailed during past 24hr. Mainly smog/mist conditions with wind speed less than 10 kmph northwest direction prevailed over the region in the forenoon today.

Weather Forecast:

17.01.2024: Partly cloudy sky. The predominant surface wind will likely be in the northwest direction with a wind speed of less than 10 kmph till evening. It would decrease thereafter becoming less than 06 kmph from the northwest direction during the night. Smog/shallow fog is likely in the evening/night.

18.01.2025: Mainly clear sky. The predominant surface wind is likely to be from the northwest direction with a wind speed less than 06 kmph during morning hours. Smog/dense fog in most of the places very likely to commence during late night hours with very dense fog in isolated places during morning hours. The wind speed will gradually increase thereafter becoming 06-08 kmph from northwest direction during afternoon. It will decrease becoming less than 04 kmph from northwest direction during evening and night. Smog/ shallow fog is likely in the evening/night.

19.01.2025: Partly cloudy sky. The predominant surface wind is likely to be from northwest direction with wind speed less than 04 kmph during morning hours. Smog/dense fog in most of the places very likely to commence during late night hours with very dense fog in isolated places during morning hours. The wind speed will increase thereafter becoming 08-10 kmph from northwest direction during afternoon. It will gradually increase becoming less than 12 kmph from northwest direction during evening and night. Smog/shallow fog is likely in the evening/night.

20.01.2025: Mainly clear sky. The predominant surface wind will likely be in the northwest direction with a wind speed of less than 08 kmph during morning hours. Smog/ moderate fog is likely in the morning. The wind speed will gradually increase thereafter becoming 08-10 kmph from northwest direction during afternoon. It will decrease becoming less than 06 kmph from northwest direction during is likely in the evening/night.

Impact expected due to dense/very dense fog in the night /morning hour:

Transport and Aviation:

- May affect some airports, highways and railway routes in the areas of met- sub-division.
- Difficult driving conditions with slower journey times.
- Unless taken precautionary measures, it may lead to some road traffic collisions.
- Power Sector:
 - Chances of Tripping of Power lines in the very dense fog routes.
- ✤ Human Health:
 - Lung related health impacts: Dense fog contains particulate matter and other pollutants and in case exposed it gets lodged in the lungs, clogging them and decreasing their functional capacity which increases episodes of wheezing, coughing and shortness of breath.
 - Impact on people having asthma bronchitis: Long time exposure to dense fog may cause respiratory problem for people having asthma bronchitis and other lung related health problems.
 - Eye Irritation: Dense fog contains pollutions of various types and these Pollutants in the air if exposed may tend to irritate the membranes of the eye causing various infections leading to redness or swelling of the eye.

Action suggested:

Transport and Aviation:

- Be careful while driving or outing through any transport.
- Use fog lights during driving.
- Be in touch with airlines, railways and state transport for schedule of your journey.

- Power Sector:
 - To keep ready Maintenance Team.
 - Human Health: To avoid outing until unless emergency and to cover the face.

Impact expected due to Cold Day/Severe Cold day conditions

- An increased likelihood of various illnesses like flu, running/ stuffy nose or nosebleed, which usually set in or get aggravated due to prolonged exposure to cold.
- Do not ignore shivering. It is the first sign that the body is losing heat. Get Indoors.
- Frostbite can occur due to prolonged exposure to cold. The skin turns pale, hard and numb and eventually black blisters appear on exposed body parts such as fingers, toes, nose and or earlobes. Severe frostbite needs immediate medical attention and treatment.
- Impact on agriculture, crop, livestock, water supply, transport and power sector at some places.

Action suggested:

- Wear several layers of loose fitting, light weight; warm woollen clothing.
- Cover your head, neck, hands and toes adequately as majority of heat loss occurs through these body parts. Wear several layers of loose fitting, light weight; warm Woolen clothing rather than one layer of heavy cloth.
- Eat vitamin-C rich fruits & vegetable and drink sufficient fluids preferably warm fluids to maintain adequate immunity.
- Avoid or limit outdoor activities.
- Keep dry, if wet, change cloths immediately to prevent loss of body heat. Wear insulated/waterproof shoes.
- Warm the affected area of the body slowly with lukewarm water; do not rub the skin vigorously.
- If the affected skin area turns black, immediately consult a doctor.
- Maintain ventilation while using Heaters to avoid inhaling toxic fumes.
- Take safety measures while using electrical and gas heating devices.
- Extreme care needed for vulnerable people.
- Seek medical attention as soon as possible for someone suffering from frostbite/ Hypothermia.
- Protect livestock from cold weather.

Agromet advisories for likely impact of Heavy Rainfall / Cold Wave/ Ground Frost

- In Himachal Pradesh and Uttarakhand, apply light and frequent irrigation to the standing crops in the evening to protect them from low temperature stress or cold injuries. Use mulching and cover vegetable nurseries and young fruit plants with straw/polythene sheets to maintain optimum soil temperature.
- Drain out excess water from rice, sugarcane, cotton, vegetables and other standing crop fields, as well as orchards in Tamil Nadu and keep the harvested produce in safe places.
- Provide mechanical support to horticultural crops and staking to vegetables. Livestock
- Keep the animals inside the shed during heavy rainfall period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.
- To protect from cold, keep cattle inside the sheds during night and provide dry bedding. Also keep the chicks warm by providing artificial light in the poultry sheds.

Legends & abbreviations:

- **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- Obsy: Observatory; AWS: Automatic Weather Station; ARG: Automatic Rain Gauge; dist: District: NH: National Highway; KVK: Krishi Vigyan Kendra; DVC: Damodar Valley Corporation; PTO: Part Time Office, Aero: Aerodrome, IAF: Indian Air Force.
- ***** 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-Himalayan 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 Marathawada.
 - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.



राष्ट्रीय मौसम पूर्वानुमान केन्द्र भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

	LE	<u>GENDS</u>	
1. अंडमान और निकोबार द्वीपस	नमूह		1. Andaman & Nicobar Islands
2. अरुणाचल प्रदेश			2. Arunachal Pradesh
3. असम और मेघालय			3. Assam & Meghalaya
4. नागालैंड, मणिपुर, मिजोरम अ	और त्रिपुरा		4. Nagaland, Manipur, Mizoram & Tripu
5. उप-हिमालयी पश्चिम बंगाल अ	और सिक्किम		5. Sub-Himalayan West Bengal & Sikkim
6. गंगीय पश्चिम बंगाल	men		6. Gangetic West Bengal
7. ओडिशा	Service and the service and th		7. Odisha
8. झारखंड	16		8. Jharkhand
9. बिहार	Long Star		9. Bihar
10. पूर्वी उत्तर प्रदेश	15		10. East Uttar Pradesh
11. पश्चिम उत्तर प्रदेश	14 12		11. West Uttar Pradesh
12. उत्तराखंड	13		12. Uttarakhand
13. हरियाणा, चंडीगढ़ और दिल्ल	ell 17 5 5 5	5 Same	13. Haryana, Chandigarh & Delhi
14. पंजाब	× 18	10 3 9	3 کم 14. Punjab
15. हिमाचल प्रदेश	and the second	Struck .	15. Himachal Pradesh
16. जम्मू और कश्मीर और लद्दा	ख 🏷 े 21 रे 19 } 20	5 28561	16. Jammu & Kashmir and Ladakh
17. पश्चिम राजस्थान	22 St for sind		17. West Rajasthan
18. पूर्वी राजस्थान	26 26 J	~	18. East Rajasthan
19. पश्चिम मध्य प्रदेश	23 24 25	Jas	19. West Madhya Pradesh
20. पूर्वी मध्य प्रदेश	29 }		20. East Madhya Pradesh
21. गुजरात	33 2 28		21. Gujarat
22. सौराष्ट्र	32 30		22. Saurashtra
23. कोंकण और गोवा	34 34 34		23. Konkan & Goa
24. मध्य महाराष्ट्र	the series of th		24. Madhya Maharashtra
25. मराठवाड़ा	31 357 31		1 25. Marathwada
26. विदर्भ	36		26. Vidarbha
27. छत्तीसगढ़			27. Chhattisgarh
28. तटीय आंध्र प्रदेश और यनम	r		28. Coastal Andhra Pradesh & Yanam
29. तेलंगाना			29. Telangana
30. रायलसीमा			30. Rayalaseema
31. तमिलनाडु, पुडुचेरी और कर	ाईकल		31. Tamilnadu, Puducherry & Karaikal
32. तटीय कर्नाटक			32. Coastal Karnataka
33. आतंरिक उत्तरी कर्नाटक		33. North Interior Karnataka	
34. आतंरिक दक्षिणी कर्नाटक			34. South Interior Karnataka
35. केरल और माहे			35. Kerala & Mahe
36. लक्षद्वीप			36. Lakshadweep
SPAT	IAL DISTRIBU	JTION (% «	of Stations reporting)
% Stations	Category	% Stations	Category
	ead (WS/Most Places)	26-50	Scattered (SCT/A Few Places)
51-75 Fairly Wides	pread (FWS/Many Places) 1-25	Isolated (ISOL)
Fog	🚗 Heavy Snow	– Cold Wave	COLOUR CODED WARNING
		•	No Warning (No Action)
	<u>A</u>		
Rain	్రి. Dust Storm	- Cold Day	Watch (Be Aware)
-	الله Dust Storm + Heat Wave	- Cold Day	Alort (Po Proparod To Take Action)
Very Heavy Rain	+ Heat Wave		Alort (Po Proparod To Take Action)
Very Heavy Rain	+ Heat Wave + Warm Night		rost Alert (Be Prepared To Take Action)
Very Heavy Rain	+ Heat Wave		rost Alert (Be Prepared To Take Action) Warning (Take Action) Probabilistic Forecast Terms Probability of Occurrence (%)
Very Heavy Rain	+ Heat Wave + Warm Night		rost Alert (Be Prepared To Take Action) Warning (Take Action) Probabilistic Forecast

* 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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*	Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm*
Rain/ Snow ~	Extremely Heavy: > 204.4 mm/cm *
	When maximum temperature of a station reaches $\ge 40^{\circ}$ C for plains and $\ge 30^{\circ}$ 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. 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
Cold Day	When minimum temperature of a station ≤10°C for plains and ≤0°C for 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 horizontal visibility < 1km Moderate Fog: When the visibility between 500-200 metres
Fog	Dense Fog: when the visibility between 50- 200 metres
	Very Dense Fog: when the visibility < 50 metres
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.
Sauch	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 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
	Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)
Cyclone	Very Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 khots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 khots)
	Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)
	Super Cyclone Strom: Wind speed >220 kmph (>119 knots)

Forecast and Warning for any day is valid from 0830 hours 1ST of day till 0830 hours 1ST of next day. For more details, kindly visit https://mausam.imd.gov.in or contact: 011-2434-4599 (Service to the Nation since 1875)