



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 07th January 2026
Time of Issue: 1300 hours IST

- Subject: (i) Depression over southeast Bay of Bengal and adjoining East Equatorial Indian Ocean.**
(ii) Dense fog conditions very likely to continue during morning hours over northwest, central & northeast India during next 5-7 days.
(iii) Cold day conditions likely to prevail over northwest, east (except Odisha) India during next 2-3 days.
(iv) Cold wave conditions very likely in isolated pockets of Himachal Pradesh, East Madhya Pradesh, Chhattisgarh, Odisha and Jharkhand during next 2 days; Rajasthan Punjab, Haryana & Chandigarh during next 3-5 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 07th January, 2026:

- ❖ **Dense to very Dense fog (visibility <50 m) conditions** prevailed in some parts of Uttar Pradesh; isolated parts over Rajasthan and Punjab; **dense fog (visibility 50-199 m):** prevailed in isolated pockets over West Bengal & Sikkim, Bihar Himachal Pradesh, Uttarakhand, Chandigarh, East Madhya Pradesh.
- ❖ **Visibility reported (in meters ≤ 200 m): Gangetic West Bengal:** Dum Dum, Haldia (50-199); **Sub-Himalayan West Bengal & Sikkim:** Jalpaiguri, Coochbehar (50); **Bihar:** Bhagalpur, Purnea, Patna (50-199); **Himachal Pradesh:** Bilaspur (100); **Uttarakhand:** Roshnabad (50), Kashipur(100), Haldwani (100), Khatima (150); **Punjab:** Amritsar (0); **Chandigarh:** Chandigarh (150); **West Uttar Pradesh:** Aligarh & Agra IAF-(00), Agra Taj-(30), Moradabad-(50), Aligarh, Meerut & Najibabad-(150); **East Uttar Pradesh:** Kanpur IAF(00); Chitrakoot AP(30) Kushinagar AP, Fursatganj, Fatehgarh, Azamgarh, Varanasi AP(50); Kanpur City((80); Banda, Lucknow AP(100); **West Rajasthan:** Phalodi; **East Rajasthan:** Sikar, Jaipur, Udaipur, Kota, Vanasthali; **East Madhya Pradesh:** Satna, Khajuraho(50-200).
- ❖ **Severe cold day prevailed in isolated places over** Rajasthan and **cold day prevailed over** Uttar Pradesh, Gangetic West Bengal, Bihar and Jharkhand.
- ❖ **Cold wave conditions prevailed over** East Madhya Pradesh, Chhattisgarh and Jharkhand.
- ❖ **Ground frost conditions** has been recorded in isolated pockets over Uttarakhand.
- ❖ **Snowfall** has been recorded at isolated places over Jammu-Kashmir-Ladakh, Himachal Pradesh and Sikkim.

Weather Systems, Forecast and Warnings (refer to ANNEXURE I & II):

- ❖ Yesterday's well marked low pressure area over southeast Bay of Bengal and adjoining East Equatorial Indian Ocean concentrated into a depression at 0830 hours IST of today, the 7th January, 2026 and lay centred over the same region, near latitude 4.8°N and longitude 88.2°E, about 740 km east-southeast of Pottsville (Sri Lanka), 790 km east-southeast of Batticaloa (Sri Lanka), 880km east-southeast of Trincomalee (Sri Lanka), 1150 km southeast of Karaikal(Tamil Nadu) and 1270 km south-southeast of Chennai (Tamil Nadu). It is likely to intensify further into a deep depression during next 24 hours. It is very likely to move west-northwestwards initially towards southwest Bay of Bengal during next 48 hours.
- ❖ A **Western disturbance** seen as a cyclonic circulation lies over Jammu & neighbourhood in lower and middle tropospheric level.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 130 knots at 12.6 km above mean sea level prevail over north India.
- ❖ A **cyclonic circulation lies** over Tripura adjoining Bangladesh in lower tropospheric level.

Under the influence of the depression over southeast Bay of Bengal and adjoining east Equatorial Indian Ocean, the following weather is likely:

- ❖ **Heavy rainfall** accompanied with thunderstorm, lightning very likely at isolated places over Tamil Nadu during 8th-11th and over Kerala & Mahe on 10th and isolated **very heavy** rainfall over Tamilnadu on 9th & 10th January, 2026.

Temperature Conditions during past 24 hours till 0830 hours IST of today:

- ❖ **Minimum temperatures** were **below 0°C** at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and at isolated places over Himachal Pradesh; **0-5°C** at isolated places over Uttarakhand; **5°-10°C** at many places over Uttar Pradesh, Rajasthan, Madhya Pradesh; at some places over Punjab, Haryana, Chandigarh & Delhi, Bihar and Vidarbha; at isolated places over Chhattisgarh, Jharkhand, Odisha, Assam, Meghalaya, Tripura, Mizoram, West Bengal & Sikkim.
- ❖ Minimum Temperatures departures were appreciably below normal (-5.0°C to -3.1°C) at isolated places over Vidarbha, Telangana, North Interior Karnataka, Odisha, East Uttar Pradesh and East Rajasthan below normal (-3.0°C to -1.6°C) at isolated places over Madhya Pradesh, Saurashtra & Kutch, Marathwada, Bihar, Jharkhand and Gangetic West Bengal ([refer to ANNEXURE IV](#))
- ❖ The **lowest minimum temperature** of 3.3°C was observed at **Ambikapur (Chhattisgarh)** over the plains of India.

Forecast of minimum temperatures:

- ❖ No significant change in minimum temperature likely over northwest and northeast India.
- ❖ Gradual rise in minimum temperature over Central India by 2-3°C for next 3 days and thereafter no significant change.
- ❖ No significant change in minimum temperature likely over East India during 3 days, thereafter slight rise by about 2°C for subsequent 2 days and no significant change thereafter.
- ❖ No significant change in minimum temperature likely over Gujarat State for next 3 days and gradual rise by 2-3°C for subsequent 4 days.
- ❖ No significant change in minimum temperature likely over Maharashtra for next 24 hours and thereafter gradual rise by 2-3°C.

Dense Fog, Cold day & Cold wave Warnings:

- ❖ **Dense to very dense fog** conditions very likely to prevail in morning hours in some/isolated parts over Punjab, Haryana-Chandigarh during 08th-10th January and Dense fog in isolated pockets during 11th -14th January 2026.
- ❖ **Dense to very dense fog** conditions very likely to prevail in morning hours in some parts over Uttar Pradesh on 8th January and Dense fog in isolated pockets during 9th -14th January 2026.
- ❖ **Dense to very dense fog** conditions very likely to prevail in morning hours in some parts over East Rajasthan during 8th -10th and dense fog on 11th & 12th. Dense to very dense fog conditions very likely to prevail in morning hours in some parts West Rajasthan on 8th January and Dense fog in isolated pockets during 9th -11th January 2026.
- ❖ **Dense fog** conditions also likely during morning hours in isolated/some pockets over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Madhya Pradesh till 10th; Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar till 12th; Odisha and Gangetic West Bengal till 8th; Sub-Himalayan West Bengal & Sikkim till 9th January, 2026.
- ❖ **Cold day to severe cold day conditions** likely to prevail in isolated parts of East Rajasthan on 7th & 8th **Cold day conditions** in isolated/some pockets over Uttarakhand, Punjab, East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Haryana Chandigarh & Delhi 7th & 8th; Gangetic West Bengal and West Uttar Pradesh on 7th; West Rajasthan during 7th -9th; East Rajasthan on 9th & 10th; Bihar during 7th -10th January, 2026.
- ❖ **Cold wave** conditions very likely in isolated pockets of Himachal Pradesh, East Madhya Pradesh, Chhattisgarh, Odisha Jharkhand on 8th & 9th; Punjab, Haryana Chandigarh & Delhi during 8th -10th; Rajasthan during 9th -12th; January 2026.
- ❖ **Ground frost conditions** very likely in isolated pockets over Uttarakhand during 7th -9th and Meghalaya on 7th & 8th January, 2026.

Fisherman Warning:

- ❖ Fishermen are advised not to venture into southeast Bay of Bengal & adjoining East Equatorial Indian Ocea on 7th & 8th January; southwest Bay of Bengal during 7th to 10th January; along & off Sri Lanka coast, Gulf of Mannar and adjoining Comorin, South Tamil Nadu coast during 8th to 10th January; along & off North Tamil Nadu-Puducherry coast during 9th and 10th January.

Weather conditions and forecast over Delhi/NCR during 07th -10th January, 2026 (ANNEXURE III) For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

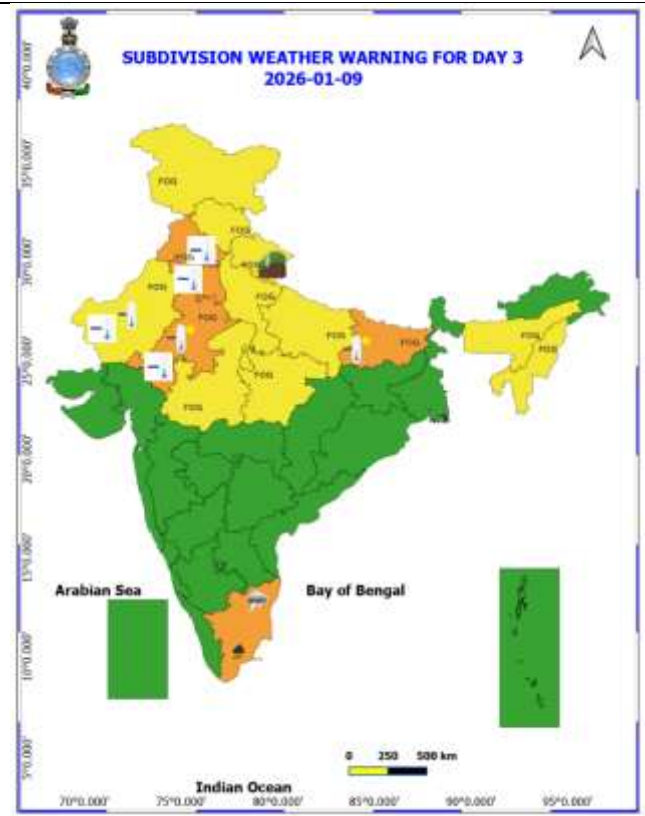
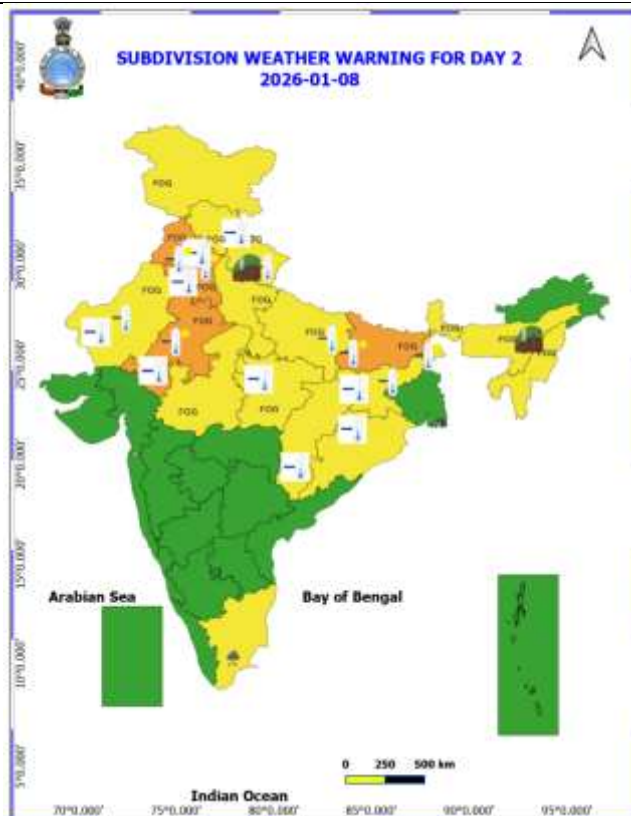
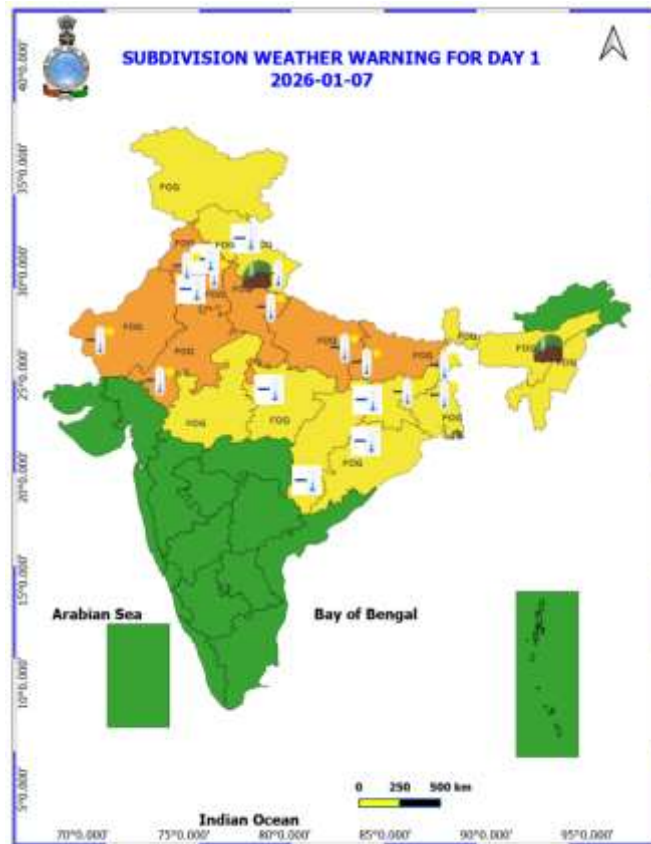
For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

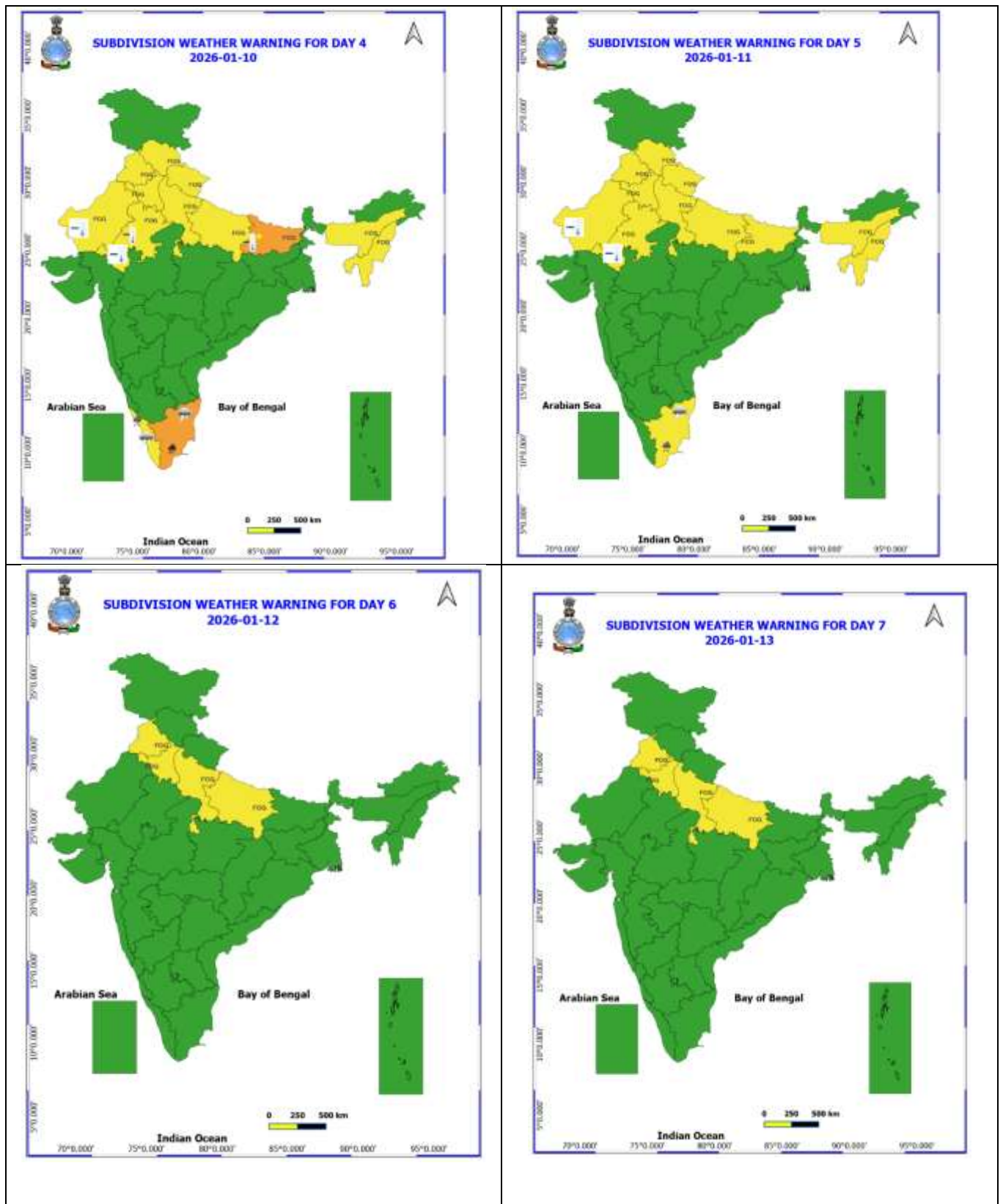
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

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

- As the lead period increases forecast accuracy decrease.

ANNEXURE II





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

Detailed districtwise Multi Hazard weather warning for next five days available at
<https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 07th January to 10th January 2026

Past Weather:

There has been no significant change in the minimum temperature and fall in the maximum temperature by 2-3°C during the past 24 hours over Delhi. The maximum and minimum temperatures over Delhi were around 13 to 16°C and 07 to 09°C, respectively. The minimum temperatures are above normal (1.6 to 3.0°C) at many places and normal (-1.5 to 1.5°C) over remaining parts of Delhi. The maximum temperatures were markedly below normal (-5.1 or less) at a few places, appreciably below normal (-3.1 to -5.0) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Safdarjung airport reported lowest visibility 800m from 0330 IST to 0900 IST which thereafter improved to 1000m from 0930 IST onwards. Palam airport reported lowest visibility 600m from 0630 IST to 0800 IST which thereafter improved to 700m from 0830 IST of today, 07-01-2026. Partly cloudy sky conditions with predominant surface wind from the north-westerly directions with a wind speed up to 16 kmph prevailed during the past 24 hours. Mainly clear sky conditions with wind speed reaching up to 12 kmph from the north-westerly direction prevailed over the region in the forenoon today.

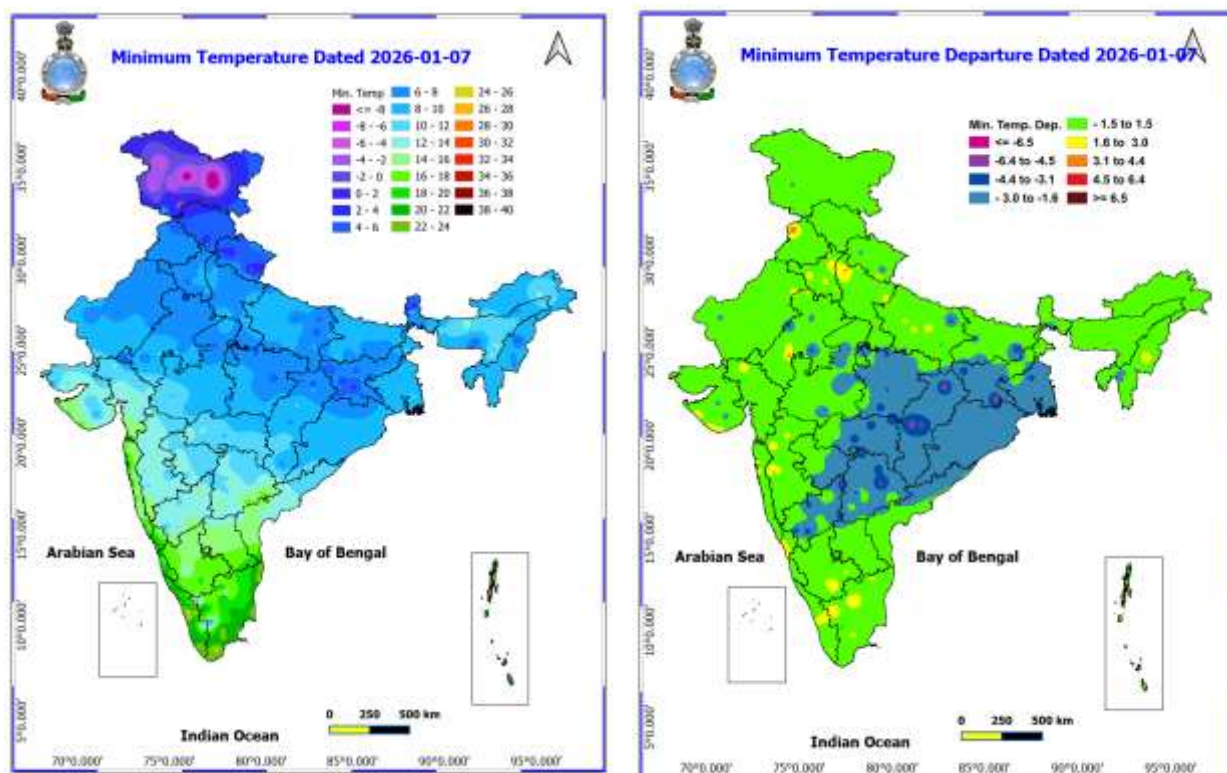
Weather Forecast:

07.01.2026: Mainly clear sky. Cold day conditions at isolated places. Mist/Haze during night. The maximum temperatures are likely to be in the range of 14°C to 16°C. The maximum temperatures will be below normal (-1.5°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed up to 16 kmph during the afternoon hours. The wind speed will decrease becoming less than 10 kmph from the west direction during evening and night.

08.01.2026: Mainly clear sky. Moderate fog at many places with dense fog at isolated places during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 15°C to 17°C and 07°C to 09°C, respectively. The minimum temperatures will be above normal (0.1°C to 2.1°C) and the maximum temperatures will be below normal (-1.5°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase becoming up to 16 kmph from the northwest direction in the afternoon. The wind speed will decrease, becoming less than 05 kmph from the north direction during evening and night.

09.01.2026: Partly cloudy sky. Shallow to Moderate fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 16°C to 18°C and 06°C to 08°C respectively. The minimum will be near normal and the maximum temperatures will be below normal (-1.5°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction, associated with calm wind reaching up to 05 kmph during morning hours. The wind speed is likely to be from the northwest direction with wind speed up to 16 kmph during afternoon. The wind speed will decrease, becoming less than 10 kmph from the northwest direction during evening and night.

10.01.2026: Partly cloudy sky. Shallow to Moderate fog during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 16°C to 18°C and 08°C to 10°C, respectively. The minimum temperatures will be above normal (1.5°C to 3.0°C) and the maximum temperatures will be below normal (-1.5°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind speed up to 10 kmph during the morning hours. The wind speed is likely to be from the northwest direction with wind speed up to 20 kmph during afternoon hours. The wind speed will decrease becoming less than 10 kmph from the west direction during evening and night.



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

- ❖ **Dense to very dense fog** conditions very likely to prevail in morning hours in some/isolated parts over Punjab, Haryana-Chandigarh during 08th-10th January and Dense fog in isolated pockets during 11th -14th January 2026.
- ❖ **Dense to very dense fog** conditions very likely to prevail in morning hours in some parts over Uttar Pradesh on 8th January and Dense fog in isolated pockets during 9th -14th January 2026.
- ❖ **Dense to very dense fog** conditions very likely to prevail in morning hours in some parts over East Rajasthan during 8th -10th and dense fog on 11th & 12th. Dense to very dense fog conditions very likely to prevail in morning hours in some parts West Rajasthan on 8th January and Dense fog in isolated pockets during 9th -11th January 2026.
- ❖ **Dense fog** conditions also likely during morning hours in isolated/some pockets over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Madhya Pradesh till 10th; Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar till 12th; Odisha and Gangetic West Bengal till 8th; Sub-Himalayan West Bengal & Sikkim till 9th January, 2026.

❖ 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 Wave conditions:

- ❖ **Cold wave** conditions very likely in isolated pockets of Himachal Pradesh, East Madhya Pradesh, Chhattisgarh, Odisha Jharkhand on 8th & 9th; Punjab, Haryana Chandigarh & Delhi during 8th -10th; Rajasthan during 9th -12th; January 2026.
- ❖ 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 woollen 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.

Impact expected due to Cold Day conditions:

- ❖ **Cold day to severe cold day conditions** likely to prevail in isolated parts of East Rajasthan on 7th & 8th **Cold day conditions** in isolated/some pockets over Uttarakhand, Punjab, East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Haryana Chandigarh & Delhi 7th & 8th; Gangetic West Bengal and West Uttar Pradesh on 7th; West Rajasthan during 7th -9th; East Rajasthan on 9th & 10th; Bihar during 7th -10th January, 2026.
- ❖ 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 Cold Waves/ Ground Frost/ Low Temperatures

- In **Uttarakhand, Punjab, Haryana, West Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha and Jharkhand**, apply light and frequent irrigation to the standing crops in the evening to protect the crops 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.
- In **Tamil Nadu**, harvest the matured black gram and keep the harvested produce in safe places. Make necessary arrangements to drain excess water from standing crop fields and vegetables.
- In **Kerala**, harvest the matured rice crop and keep the harvested produce in safe places. Make necessary arrangements to drain excess water from standing crop fields and vegetables.

Livestock / Poultry

- Keep cattle inside the sheds during night and provide dry bedding to protect them from cold.
- Keep the chicks warm by providing artificial light in the poultry sheds.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Legends & abbreviations:

- ❖ **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; 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.

LEGENDS

1. अंडमान और निकोबार द्वीपसमूह

2. अरुणाचल प्रदेश

3. असम और मेघालय

4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा

5. उप-हिमालयी पश्चिम बंगाल और सिक्किम

6. 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. आंतरिक उत्तरी कर्नाटक

34. आंतरिक 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

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)



Fog



Heavy Snow



Cold Wave



Heavy Rain



Dust Storm



Cold Day



Very Heavy Rain



Heat Wave



Ground Frost



Extremely Heavy Rain



Warm Night



Thunder & Lightning



Hot Day



Hailstorm



Hot & Humid



Dust Raising Winds



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

* 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)

DEFINITION/CRITERIA

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 *

Heat Wave

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ 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 $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.

Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$.

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$.

Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .

Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.

Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ 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 $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave: When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$

Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

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

Thunderstorm

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.

Frost

Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)

Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-67 kmph

Very Severe: Wind speed > 67 kmph

Sea State

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

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

Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

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 Storm: Wind speed > 220 kmph (> 119 knots)

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