

Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 25th February, 2025

Time of Issue: 1345 hours IST

Subject: 1) An active Western Disturbance is likely to cause heavy rainfall/snowfall over Jammu & Kashmir during 25th -28th, Himachal Pradesh during 26th-28th and Uttarakhand on 27th & 28th February. It is also likely to cause isolated to scattered light to moderate rainfall over plains of northwest India during 25th to 28th February, 2025.
2) Heat wave conditions at isolated pockets likely over Konkan, Coastal Karnataka and North Kerala during next 2-3 days.

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

Temperature:

- ❖ Maximum temperatures were **markedly above normal (5°C or more)** at few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **appreciably above normal (3°C to 5°C)** at many places along the west coast; at a few places over West Rajasthan and Gujarat Region. Yesterday, the highest **maximum temperature of 40.4°C** was reported at **Kannur Airport (Kerala)** over the plains of the country.
- ❖ Further detailed temperature observations during past 24 hours till 0830 hours IST of today are provided in **Annexure II**

Rainfall:

- ❖ Light to moderate **Rainfall/Snowfall** observed at many places over Arunachal Pradesh; at isolated places over Uttarakhand; Light to moderate **Rainfall** at most places over Andaman & Nicobar Islands; at a few places over Sub-Himalayan West Bengal & Sikkim; at isolated places over Assam & Meghalaya, Punjab, Tamilnadu Puducherry & Karaikal.
- ❖ **Hailstorms reported** at isolated places over Assam and Sikkim.
- ❖ **Thunderstorm with lightning** reported at isolated places over Arunachal Pradesh, Assam, Andaman & Nicobar Islands.

ii. Weather Systems, Forecast and warning (Annexure III & IV):

- ❖ A Western Disturbance as a trough in lower to upper tropospheric levels with its axis at 3.1 km above mean sea level roughly along Long. 50°E to the north of Lat. 24°N. Under its influence, an induced low pressure area likely to form over West Rajasthan & adjoining Pakistan area during next 24 hours. There is divergence of the order of $20-30 \times 10^{-6} \text{ s}^{-1}$ in forward sector of the trough over North Pakistan and adjoining Indian Himalayas. High moisture feeding is also likely over Western Himalayan Region in lower tropospheric levels from Arabian Sea mainly during 25th -28th February, 2025. As a result;
 - ✓ **Fairly widespread to widespread** light to moderate rainfall/snowfall accompanied with thunderstorm & lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh during 25th-28th; Uttarakhand during 26th-28th February.
 - ✓ **Heavy rainfall/snowfall** at isolated places likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 25th-28th, Himachal Pradesh during 26th-28th and Uttarakhand on 27th & 28th February with isolated **very heavy rainfall/snowfall** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 26th & 27th & Himachal Pradesh on 27th February.
 - ✓ **Isolated to scattered** light to moderate rainfall likely over Punjab, Haryana, Chandigarh and West Rajasthan during 25th February-01st March; West Uttar Pradesh on 27th & 28th February; East Uttar Pradesh on 28th February & 01st March; East Rajasthan during 27thFebruary-01st March with **gusty winds (speed 30-40 kmph)** very likely over Punjab & Haryana on 27th & 28th February. Thunderstorm & lightning activity also likely over

Punjab during 25th -28th February; Haryana during 26th-28th; West Uttar Pradesh during 27thFebruary-01st March; East Uttar Pradesh and Rajasthan on 28th February.

- ✓ **Isolated Hailstorm activity also likely over Punjab and Haryana on 27th February.**
- ❖ An upper air cyclonic circulation lies over northeast Assam in lower tropospheric levels with a trough aloft at 3.1 km above mean sea level roughly along Long. 94°E to the north of Lat. 25°N. Under its influence;
 - ✓ **Isolated to Scattered** light/moderate rainfall/snowfall accompanied with **thunderstorm, lightning & hailstorm** very likely over East Arunachal Pradesh on 25th; **Isolated** light/moderate rainfall accompanied with **thunderstorm & lightning** very likely over Sub-Himalayan West Bengal & Sikkim, Northeast Assam and Nagaland on 25th February.
- ❖ Under the influence of an active easterly wave;
 - ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning** very likely over Andaman & Nicobar Islands on 25th & 26th February. **Heavy rainfall** at isolated places likely over Andaman & Nicobar Islands on 25th February.
 - ✓ **Scattered to Fairly widespread** light/moderate rainfall accompanied with **thunderstorm & lightning** very likely over Tamilnadu Puducherry & Karaikal and Kerala & Mahe during 27th February to 1st March with isolated Heavy rainfall on Tamilnadu Puducherry & Karaikal during 27th February - 01st March; Kerala & Mahe on 28th February & 01st March.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 02nd March. Under its influence; **Scattered to Fairly widespread** light/moderate rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh on 02nd & 03rd; **Isolated** light/moderate rainfall/snowfall likely over Uttarakhand on 02nd & 03rd March.

Temperature Forecast:

Forecast of temperature:

Minimum Temperature:

- ❖ Gradual rise in minimum temperatures by 2-3°C likely over Northwest India during next 3 days and gradual fall by 2-4°C thereafter.
- ❖ Gradual rise in minimum temperatures by 2-4°C likely over Central India during next 4-5 days.
- ❖ No significant change in minimum temperatures likely over East India during next 3 days and gradual rise by 2-3°C thereafter.
- ❖ Gradual rise in minimum temperatures by 2-4°C likely over interior Maharashtra during next 4-5 days.
- ❖ No significant change in minimum temperatures likely over rest parts of India during next 4-5 days.

Maximum temperature:

- ❖ Gradual rise in maximum temperatures by about 2°C likely over plains of Northwest India during next 24 hours gradual fall by 4-6°C thereafter.
- ❖ Gradual rise in maximum temperatures by 2-4°C likely over Central India during next 4-5 days.
- ❖ No significant change in maximum temperatures likely over East India during next 3 days and gradual rise by 2-3°C thereafter.
- ❖ No significant change in maximum temperatures likely over rest parts of India during next 4-5 days.

Heat Wave and Hot & Humid weather warnings:

- ❖ **Heat wave conditions** very likely in isolated pockets over Konkan & Goa and north Kerala on 25th & 26th; Coastal Karnataka during 25th-27th February.
- ❖ **Hot and humid weather** very likely to prevail over Gujarat State during 25th-27th; Coastal Karnataka on 28th February & 01st Mach.

iii. Weather conditions and forecast over Delhi/NCR during 25th Feb. to 28th Feb. 2025 (Annexure V)

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>

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

- ❖ **Arunachal Pradesh:** Kaying(aws) (dist West Siang) 5, Tuting (dist Upper Siang) 4, Tuting_ Aws (dist Upper Siang) 3, Yingkiong (dist Upper Siang) 3, Boleng(aws) (dist Siang) 3;
- ❖ **Assam & Meghalaya:** Chauldhowaghat (dist Lakhimpur) 3, Lakhimpur (Aws) (dist Lakhimpur) 1;
- ❖ **Andaman & Nicobar Islands:** Iaf Carnicobar (dist Nicobar) 6, Car Nicobar (dist Nicobar) 4, Port Blair (dist South Andaman) 2, Nancowry (dist Nicobar) 1

Visibility reported (≤ 200 m) (in meter):

- ❖ **Dense fog (visibility 50-199 m)** reported in isolated pockets of Odisha and Meghalaya.
- ❖ **Visibility reported (≤ 200 m) (in meter):** **Odisha:** Chandbali (50-199); **Meghalaya:** Barapani 50

Hailstorm reported:

- ❖ **Assam:** Dhemaji; **Sikkim:** Pakyong.

Thunderstorm reported:

- ❖ **Northeast India:** Itanagar, Hollongi, Dibrugarh, North Lakhimpur; **East India:** Sri Vijayapuram.

ANNEXURE II

- ❖ Minimum temperatures are in the range of 0 °C to -7 °C over Kashmir & Ladakh; 6°C to 13°C over many parts of Jammu, Himachal Pradesh, Uttarakhand, Haryana, Punjab, Uttar Pradesh, North Madhya Pradesh; 8-14°C over many parts of Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh & East Rajasthan; 14-22°C over many parts of rest parts of the country. Today, the lowest minimum temperature of **8.5°C** is reported at **Ayodhya (Uttar Pradesh)** over the plains of the country.
- ❖ During the past 24 hours, **minimum temperatures** have fallen by 1-3°C at a few places over East Uttar Pradesh, Northwest Madhya Pradesh, Sub Himalayan West Bengal & Sikkim, Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Goa, North Interior Karnataka and it has risen by 1-3°C over most parts of Northwest India; at a few places over South Madhya Pradesh, Gujarat region & interior Maharashtra.
- ❖ Minimum temperatures are **appreciably above normal by (3°C to 5°C)** over many parts of Punjab, West Rajasthan; at some parts of Gujarat State; **above normal by (1°C to 3°C)** over some parts of Himachal Pradesh, Maharashtra; at isolated places over North Kerala, Coastal Andhra Pradesh, Bihar & south Madhya Pradesh. These are **below normal by (-3°C to -1°C)** at some places over Delhi, Uttar Pradesh, remaining parts of Madhya Pradesh, North Chhattisgarh & Northeast India and near normal over remaining parts of the country.
- ❖ Maximum temperatures were in the range of 35-39°C over many parts of West & south Peninsular India, south Odisha, South Chhattisgarh; 30-35°C over many parts of south Rajasthan, Madhya Pradesh, coastal Odisha, North Chhattisgarh, south Gangetic West Bengal; 25-30°C over remaining parts of the plains of the country. Yesterday, the highest **maximum temperature of 40.4°C** was reported at **Kannur Airport (Kerala)** over the plains of the country.
- ❖ During the past 24 hours, **maximum temperatures** had fallen by 1-2°C at many places over coastal Andhra Pradesh, West Madhya Pradesh and Andaman & Nicobar Islands. It had risen by 1-3°C at many places along the west coast, Telangana, Northwest India, East Madhya Pradesh, Interior Odisha, Gangetic West Bengal and Northeast India.
- ❖ Maximum temperatures were **markedly above normal (5°C or more)** at few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **appreciably above normal (3°C to 5°C)** at many places along the west coast; at a few places over West Rajasthan and Gujarat Region; **above normal (1°C to 3°C)** at many places over Telangana; at a few places over Punjab, East Rajasthan, Delhi, West Uttar Pradesh, Madhya Maharashtra, Tamil Nadu, Puducherry & Karaikal and Lakshadweep; at isolated places over East Uttar Pradesh, Odisha, Gangetic West Bengal, North Interior Karnataka and Assam & Meghalaya and near normal over rest parts of the country.

Fig. 1: Maximum Temperatures

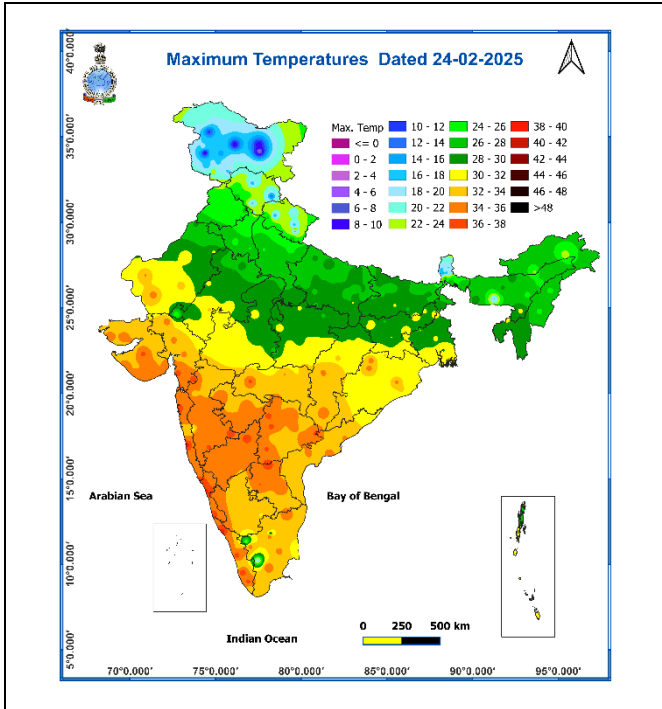


Fig. 2: Departure of Maximum Temperatures

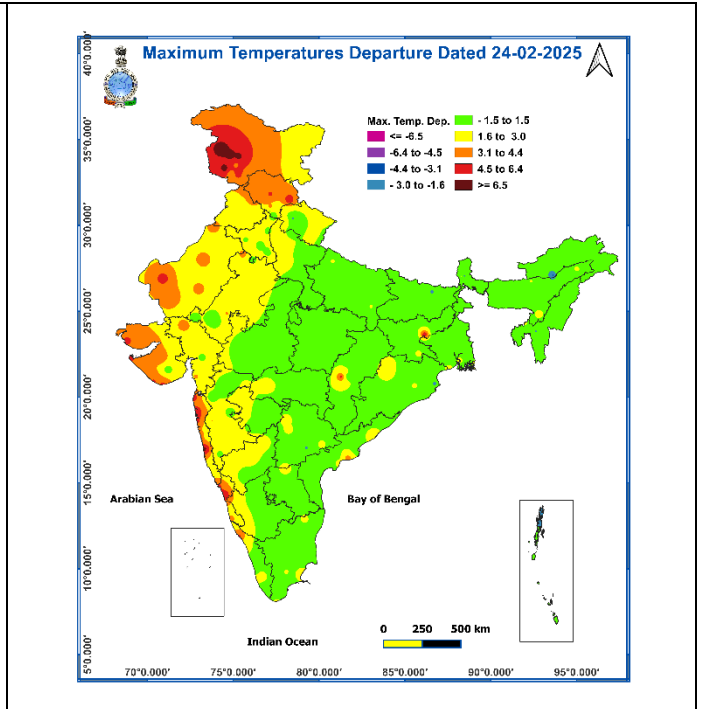


Fig. 3: Minimum Temperatures

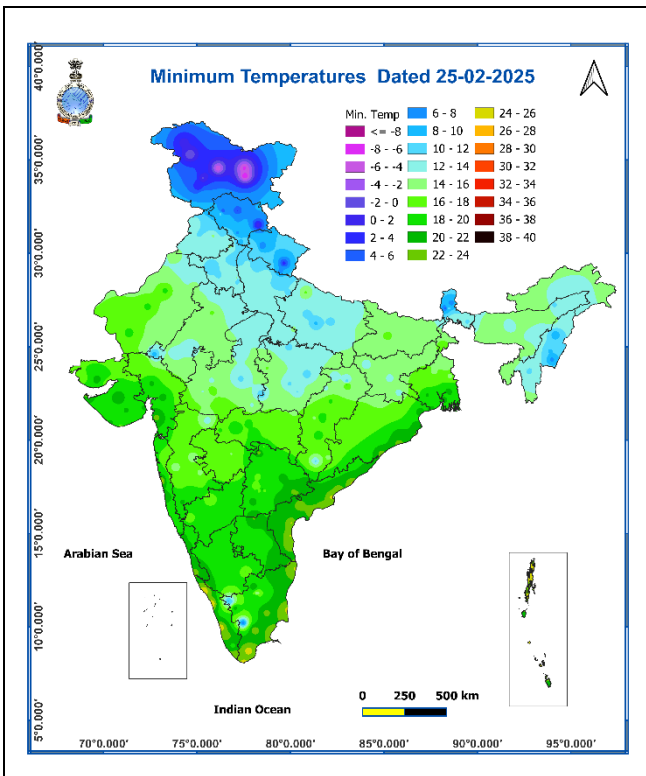
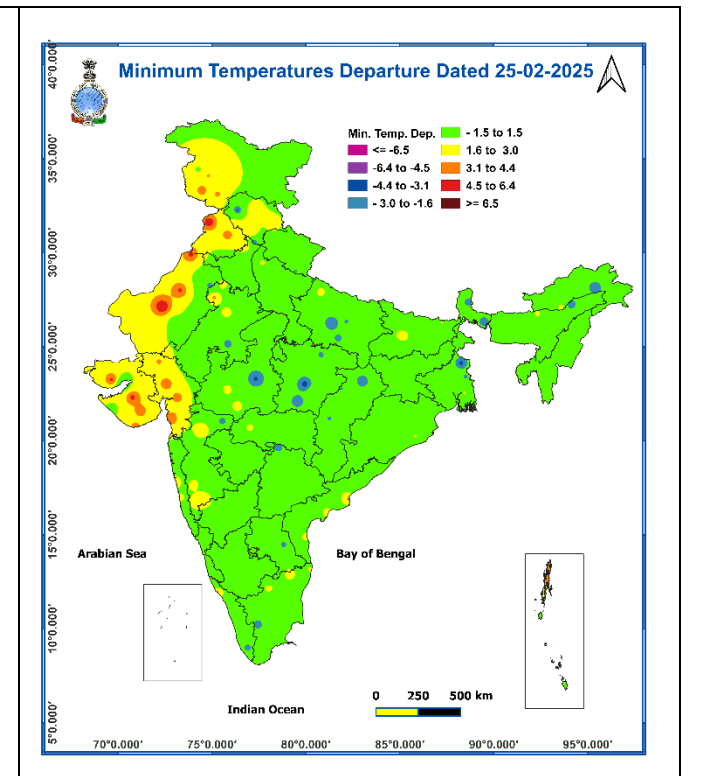


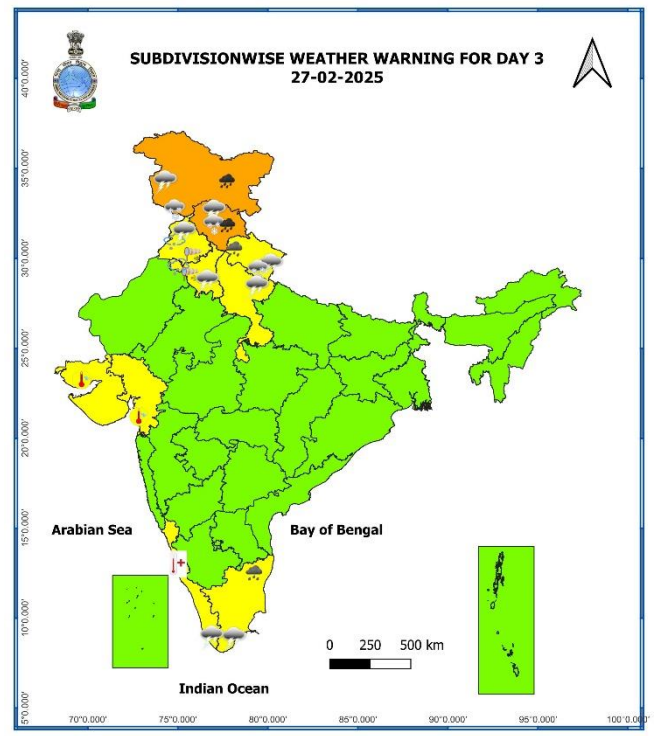
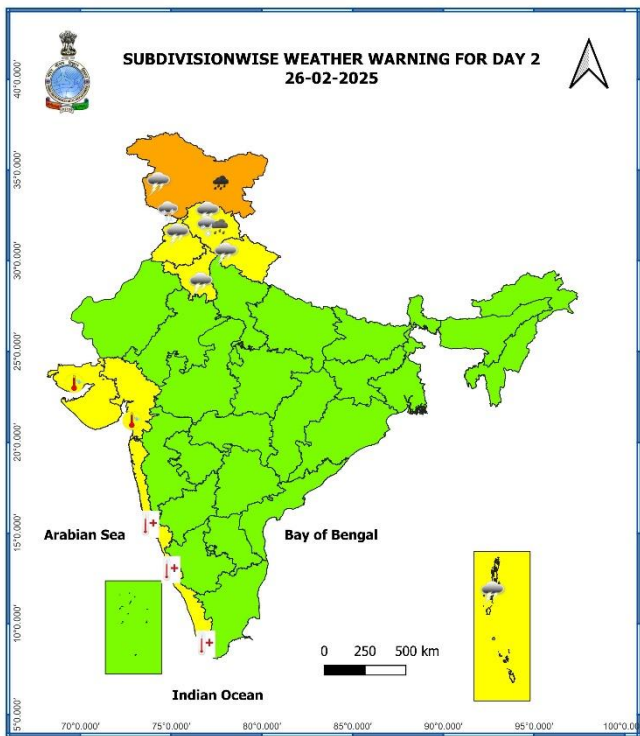
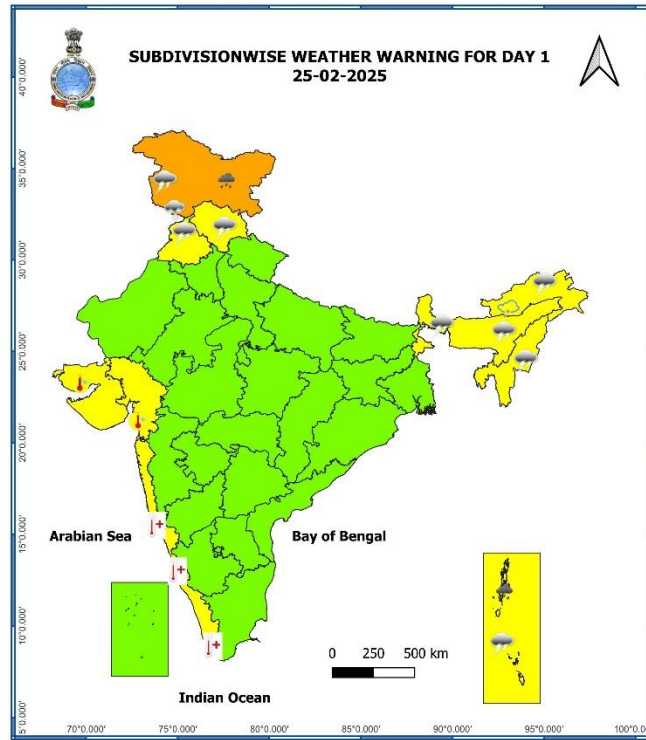
Fig. 4: Departure of Minimum Temperatures

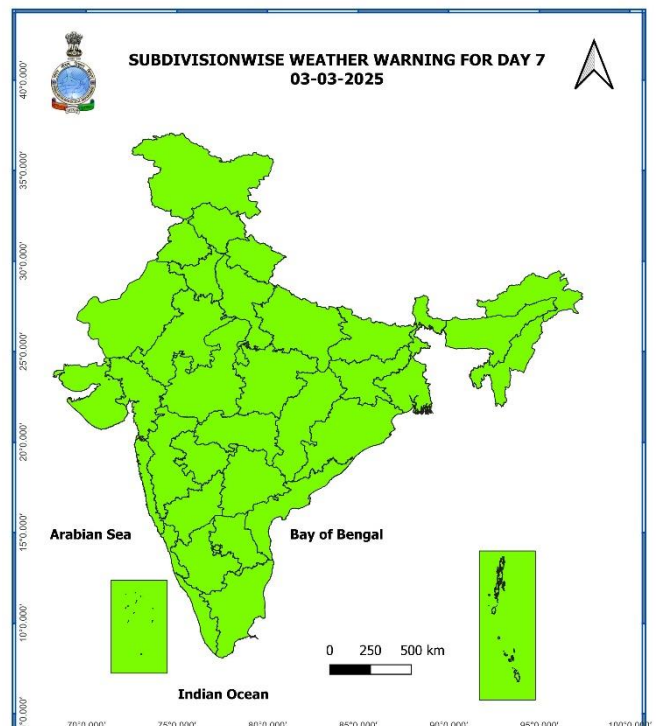
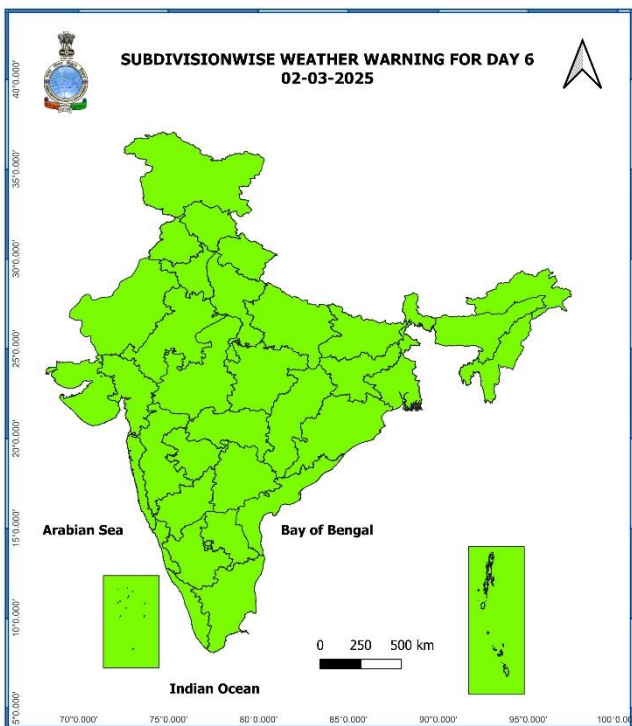
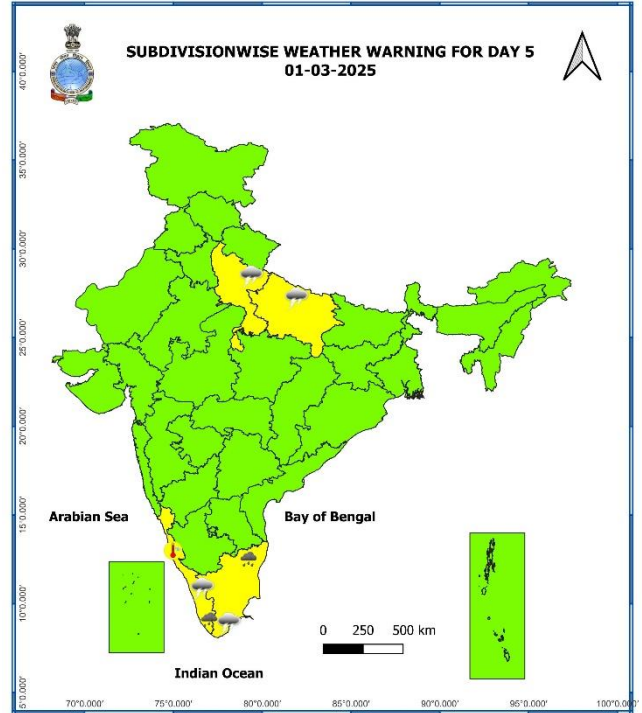
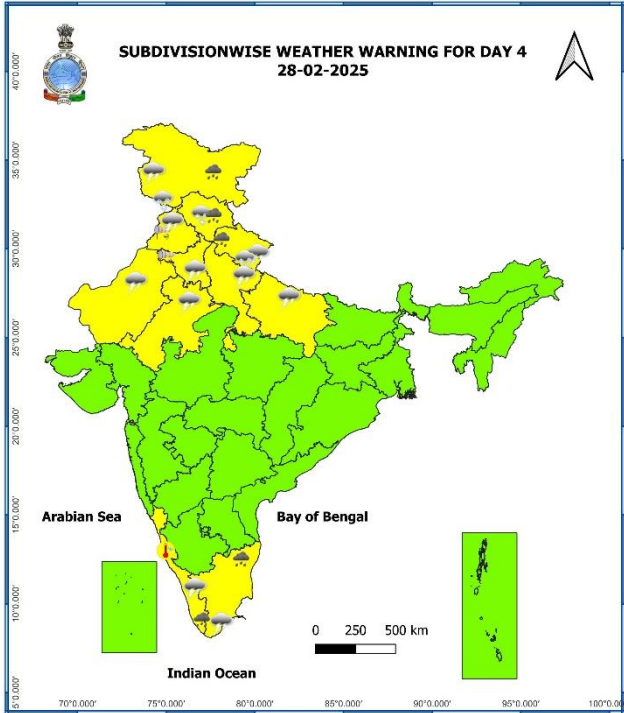


7 Days Rainfall Forecast

S. No.	Subdivision	25-Feb	26-Feb	27-Feb	28-Feb	01-Mar	02-Mar	03-Mar
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	FWS	SCT	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEGHALAYA	ISOL	DRY	DRY	DRY	ISOL	ISOL	DRY
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	ISOL	DRY	DRY	DRY	ISOL	ISOL	DRY
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	ISOL	DRY	ISOL	SCT	ISOL	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	ISOL	DRY	DRY	ISOL	ISOL	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
12	UTTARAKHAND	SCT	FWS	WS	WS	SCT	ISOL	ISOL
13	HARYANA CHANDIGARH & DELHI	ISOL	ISOL	SCT	SCT	ISOL	DRY	DRY
14	PUNJAB	ISOL	SCT	FWS	SCT	ISOL	DRY	DRY
15	HIMACHAL PRADESH	FWS	WS	WS	WS	FWS	SCT	FWS
16	JAMMU & KASHMIR AND LADAKH	WS	WS	WS	WS	SCT	SCT	FWS
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	ISOL	ISOL	ISOL	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	GUJARAT 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	DRY	DRY
25	MARATHAWADA	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 & YANAM	DRY	DRY	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	ISOL	SCT	FWS	SCT	ISOL
32	COASTAL 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	DRY	DRY	DRY	DRY	DRY
35	KERALA & MAHE	ISOL	ISOL	ISOL	SCT	FWS	FWS	SCT
36	LAKSHADWEEP	DRY	DRY	SCT	SCT	FWS	FWS	FWS

- As the lead period increases forecast accuracy decreases.





- 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.

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

Weather forecast over Delhi/NCR during 25th Feb. to 28th Feb. 2025

Past Weather:

There has been a slight rise in minimum and maximum temperatures over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi range from 25 to 28°C and 12 to 13°C, respectively. The minimum temperatures were near normal by 01°C, and maximum temperatures were above normal by 01-02°C over most places. Mainly clear sky conditions with predominant surface wind from the west direction with wind speed reaching 06 to 08 kmph prevailed during the past 24 hours. Mainly, mist conditions with wind speed less than 10 kmph from the west direction prevailed over the region in the forenoon today.

Weather Forecast:

25.02.2025: Partly cloudy sky. The maximum temperature over Delhi is likely to be in the range of 26 to 28°C. The predominant surface wind will likely be from the west-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.

26.02.2025: Partly cloudy sky. Mist likely in the morning. The maximum and minimum temperatures over Delhi are likely to be in the range of 28 to 30°C and 14 to 16°C, respectively. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 10 kmph during morning hours. The wind speed will gradually increase thereafter, becoming 12-14 kmph from the northwest direction during the afternoon. It will decrease, becoming less than 08 kmph from the east-southeast direction during evening and night.

27.02.2025: Generally cloudy sky. Mist likely in the morning. Very light to light rain accompanied by thunderstorm/lightning. The maximum and minimum temperatures over Delhi are likely to be in the range of 25 to 27°C and 16 to 18°C, respectively. The predominant surface wind will likely be from the east-southeast direction with a wind speed of 10-12 kmph during morning hours. The wind speed will gradually increase thereafter, becoming 16-18 kmph from the southeast direction during the afternoon. It will decrease, becoming less than 12 kmph from the east-southeast direction during evening and night.

28.02.2025: Generally cloudy sky. Mist likely in the morning. Very light to light rain accompanied by thunderstorm/lightning. The maximum and minimum temperatures over Delhi are likely to be in the range of 22 to 24°C and 16 to 18°C, respectively. The predominant surface wind will likely be from the southeast direction with a wind speed of 10-12 kmph during morning hours. The wind speed will gradually increase thereafter, becoming 18-20 kmph from the southeast direction during the afternoon. It will decrease, becoming less than 12 kmph from the east-southeast direction during evening and night.

Agromet advisories for likely impact of Heavy Rainfall / Snowfall / Heat Wave

- Complete harvesting of matured rapeseed in **Uttarakhand** and cole crops in **Himachal Pradesh**.
- Make provision for draining out excess water from the standing crop fields in **Andaman & Nicobar, Jammu and Kashmir, Himachal Pradesh and Uttarakhand**. In case of heavy snowfall, shake the fruit bearing trees to remove snow immediately from the branches.
- Keep the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields.
- Provide mechanical support to horticultural crops and staking to vegetables for avoiding lodging.
- Apply light and frequent irrigation to the standing crops in the evening to protect them from low temperature stress or cold injuries in **Konkan, Kerala and Coastal Karnataka**.

Livestock

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.

Impact & Action Suggested due to heavy rainfall/ snowfall over Jammu & Kashmir during 25th -28th, Himachal Pradesh during 26th-28th and Uttarakhand on 27th & 28th February.

A. 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 kutchha 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).

B. 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.

Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over parts of Northeast India on 25th and over Northwest India during 25-28th February.

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 kutchha 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.

Impact expected and action suggested due to Heat Wave conditions over Konkan, coastal Karnataka and North Kerala during next 2-3 days.

Yellow alert Areas:

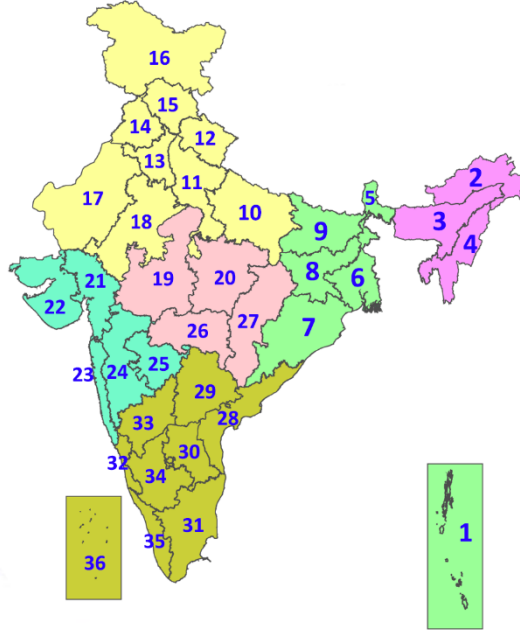
- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

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.

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 62-87 kmph Very Severe: Wind speed > 87 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 Strom: Wind speed > 220 kmph (> 119 knots)

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