



**Government of India
Ministry of Earth Sciences
India Meteorological Department**



Press Release

Date: 08th May, 2025

Time of Issue: 1345 hours IST

Subject: i) A fresh spell of heat wave likely to commence over East India from 10th May, 2025.

ii) Rainfall accompanied with thunderstorms, lightning likely to continue over Northwest & central India for next 4-5 days.

iii) Thunderstorm, lightning & squally winds likely over Maharashtra & Gujarat state on 08th May, 2025.

iv) Heavy Rainfall accompanied with thunderstorm & lightning likely over Northeast India during 09th to 13th May, 2025.

Advance of Southwest Monsoon:

Southwest Monsoon is very likely to advance into South Andaman Sea, some parts of Southeast Bay of Bengal and Nicobar Islands around 13th May, 2025

Realised weather during past 24 hours till 0830 hours IST of today, the 08th May 2025 (Annexure I):

❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 70-100 kmph prevailed at isolated places over Tamilnadu Puducherry & Karaikal Marathawada, Saurashtra & Kutch, Interior Karnataka, Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra; with speed 30-70 kmph prevailed at isolated places over Gujarat Region, Coastal Karnataka, Rayalaseema, Himachal Pradesh, Jammu-Kashmir, Uttarakhand, Punjab, Haryana, Delhi, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Interior Karnataka.

❖ **Hailstorm** occurred at isolated places over Delhi (Mayur Vihar).

❖ **Heavy rainfall** has been recorded at isolated places over Saurashtra & Kutch, Tamil Nadu, south Kerala and North Konkan,

For more details of realised weather, kindly refer Annexure I

Temperature:

❖ Maximum Temperature observations during past 24 hours till 0830 hours IST of today are appended in **Annexure II.**

i. Weather Systems, Forecast and Warnings (refer to Annexure III & IV):

❖ A Western **Disturbance** seen as a cyclonic circulation over Iran in lower tropospheric levels with a trough aloft in middle tropospheric levels roughly along long. 56°E to the north of lat. 27°N.

❖ A **upper air cyclonic circulation** lies over southwest Madhya Pradesh in lower & middle tropospheric levels and another over northwest Madhya Pradesh in lower tropospheric levels.

❖ The **east-west trough** runs from cyclonic circulation over northwest Madhya Pradesh to north Chhattisgarh in lower tropospheric levels.

❖ Another **trough** runs from eastcentral Arabian Sea to cyclonic circulation over southwest Madhya Pradesh & neighbourhood in lower & middle tropospheric levels.

❖ The **north-south trough** runs from south Telangana to Gulf of Mannar in lower tropospheric levels.

❖ An **upper air cyclonic circulation** lies over Northeast Assam in lower tropospheric levels.

❖ Another **upper air cyclonic circulation** lies over southeast Bay of Bengal and adjoining south Andaman Sea in middle tropospheric levels.

❖ Under the influence of these systems, the following weather is likely:

Northwest India:

- ✓ **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 40-60 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand; **Isolated to Scattered** light/moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan during 08th-11th May.
- ✓ **Duststorm** very likely at isolated places over West Rajasthan on 09th & 10th May.

West India:

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over West India during 08th-12th May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** over Konkan & Goa, Madhya Maharashtra, Marathwada and Gujarat State on 08th May.

East & Central India:

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Madhya Pradesh, Vidarbha & Chhattisgarh during 08th-12th May; **with winds speed reaching 30-40 kmph gusting to 50 kmph** over West Bengal & Sikkim during 10th-12th; Bihar, Jharkhand, Odisha on 08th May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over West Madhya Pradesh on 08th and over Chhattisgarh during 09th-11th May.
- ✓ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 11th & 12th May.

South peninsular India:

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & strong winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Karnataka during 08th-12th and over Tamilnadu Puducherry & Karaikal, Kerala & Mahe on 08th & 09th May.

Northeast India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Northeast India during next 5 days.
- ✓ **Isolated heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya during 09th-14th and over Mizoram on 12th with **very heavy rainfall** over Assam & Meghalaya on 11th & 12th May.

Maximum Temperature Forecast:

- ❖ Gradual rise in maximum temperatures by 3-4°C likely over East India during next 3 days and no significant change thereafter for subsequent 4 days.
- ❖ Gradual rise in maximum temperatures by 3-5°C likely over Northwest India during next 7 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 24 hours and rise by 3-5°C thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over West India during next 24 hours and rise by 2-°C thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

Heat wave and Hot & Humid weather warning:

- ❖ **Heat wave conditions** very likely in isolated pockets of Gangetic West Bengal during 10th-13th; Odisha during 10th-14th, Bihar during 11th-13th and Jharkhand during 11th-14th; May.
- ❖ **Hot & humid weather** is likely to prevail over Gangetic West Bengal, Odisha, Tamil Nadu, Puducherry & Karaikal on 08th & 09th May.

iv. Weather conditions and forecast over Delhi/NCR during 08th May to 11th May, 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 weather reported during past 24 hours till 0830 hours IST of today:

- ❖ **Light/moderate Rainfall with thunderstorm & lightning** observed at most places over Gujarat Region; at many places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Himachal Pradesh, Uttarakhand, Saurashtra & Kutch; at a few places over East Rajasthan, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Andaman & Nicobar Islands, Gangetic West Bengal, West Madhya Pradesh, Konkan & Goa, Tamilnadu Puducherry & Karaikal, Rayalaseema, Telangana; at isolated places over Odisha, Jharkhand, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Vidarbha, Chhattisgarh, Marathawada, Madhya Maharashtra, Kerala & Mahe, North Interior Karnataka and Coastal Andhra Pradesh & Yanam.

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

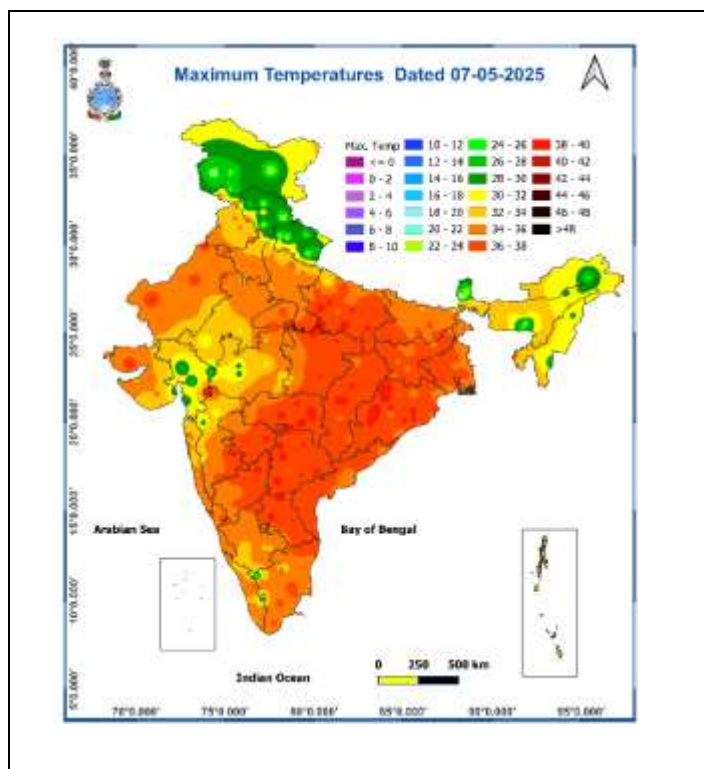
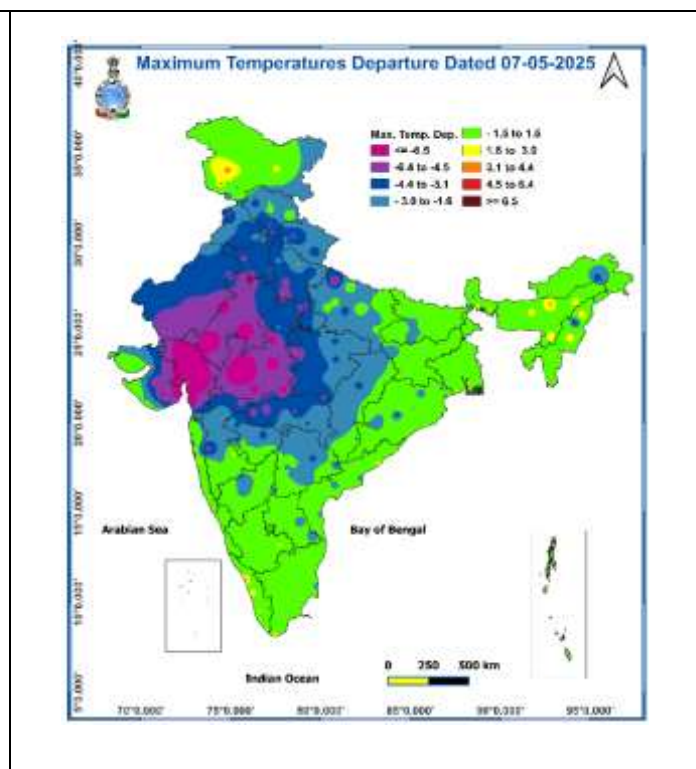
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Sandhiyur Kvk AWS (dist Salem) 11; Pechiparai (dist Kanyakumari), Sivakasi (dist Virudhunagar) 8 Each; Omalur (dist Salem) 7; Chinnakalar (dist Coimbatore), Dindigul (dist Dindigul), Thirumanur (dist Ariyalur), Kinnakorai (dist Nilgiris) 6 Each; Periyakulam (dist Theni), Chittar (dist Kanyakumari), Puduchatram (dist Namakkal), Vaigai Dam (dist Theni) 5 Each;
- ❖ **Saurashtra & Kutch:** Bhavnagar 8, Vanthali (dist Junagadh) 6;
- ❖ **North Konkan:** Palghar_agri (dist Palghar) 7, Vasai (dist Palghar) 7;
- ❖ **South Kerala:** Pirappancode (dist Thiruvananthapuram) 7, Peermade To (dist Idukki) 6;

Realised Gusty Winds during past 24hours ending at 0300 UTC of today i.e 08.05.2025 (AWS Data, KT):

- ❖ **Tamil Nadu-**Dindigul (56,1730)
- ❖ **Uttar Pradesh-** Prayagraj (31,2215)
- ❖ **Bihar-** Patna (37,0430)
- ❖ **Jharkhand-** Jamtara (37,1700)
- ❖ **Madhya Pradesh-** Singrauli (31,2115), Ujjain (36,1730)
- ❖ **Gujarat State-** Rajkot (39,1330), Junagadh (37,1530), Kachchh (33,1830)
- ❖ **Maharashtra-** Aurangabad(50,1345), Nashik(41,1500), Raigad(39,1630), Pune(33,1230)
- ❖ **Kerala-** Kozhikode (39,2330)

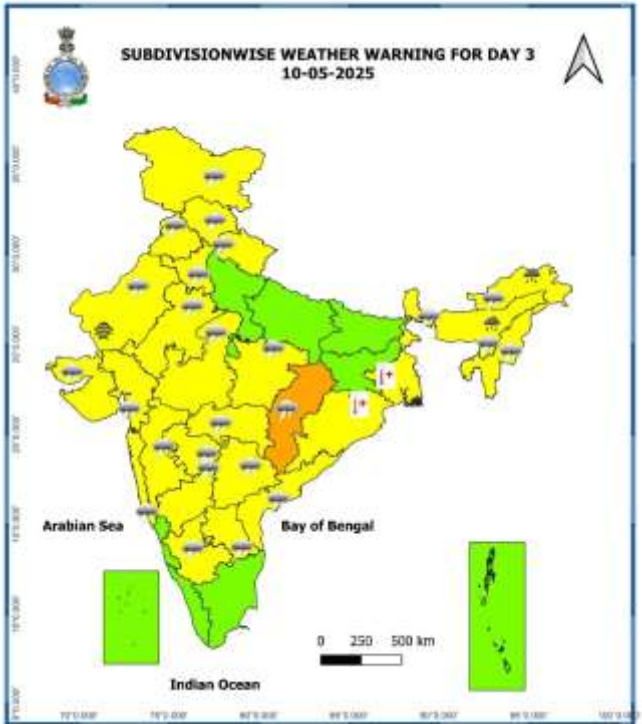
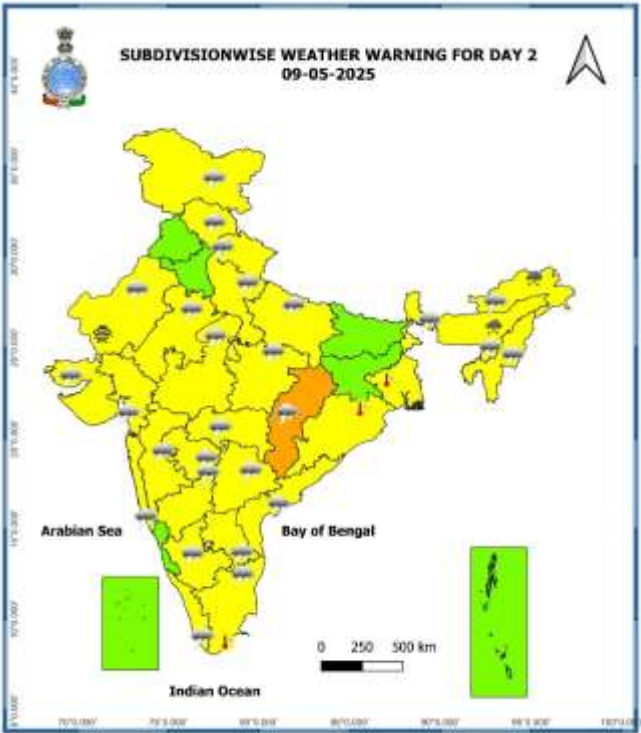
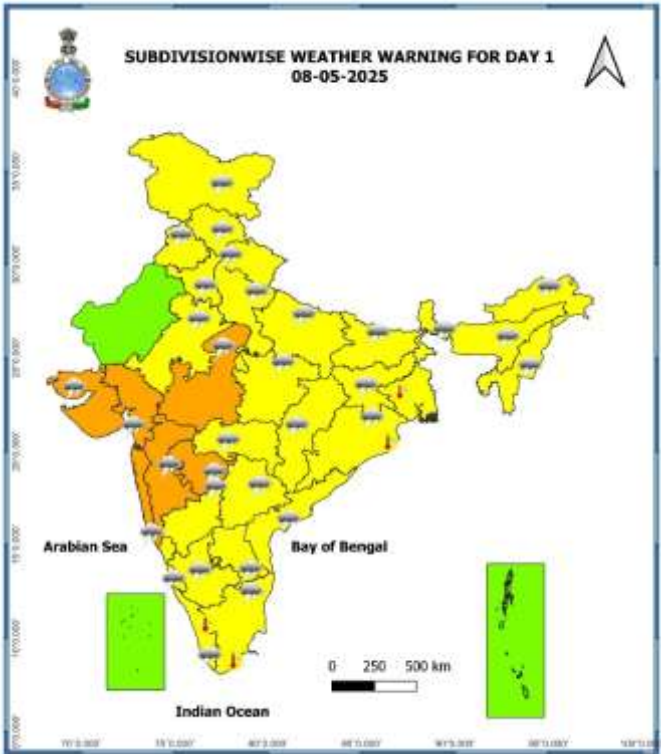
Temperature observations during past 24 hours till 0830 hours IST of today:

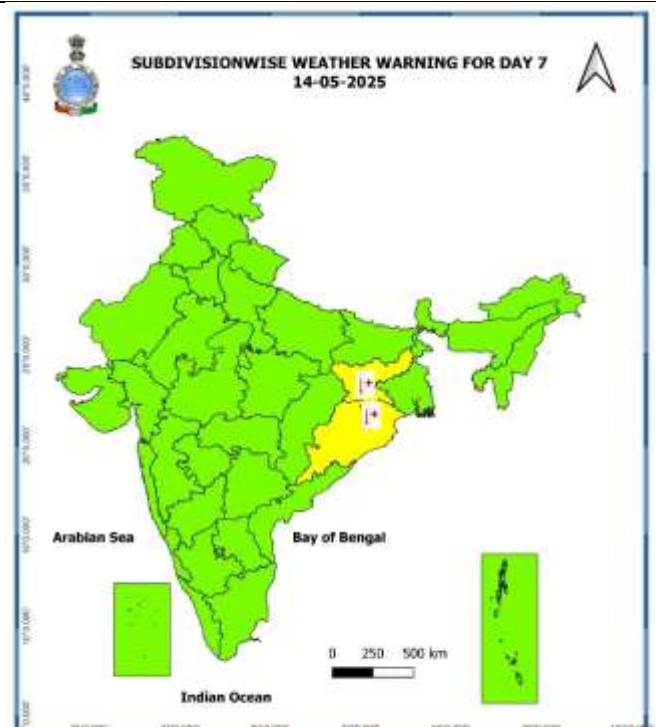
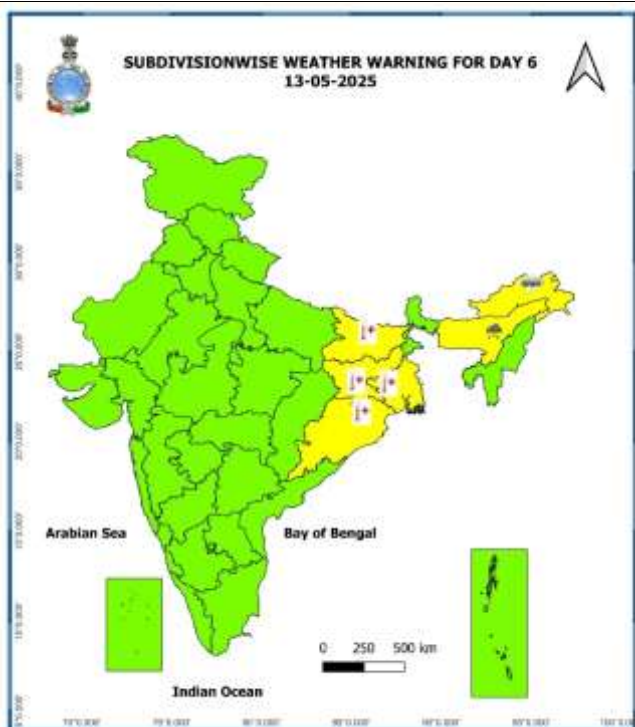
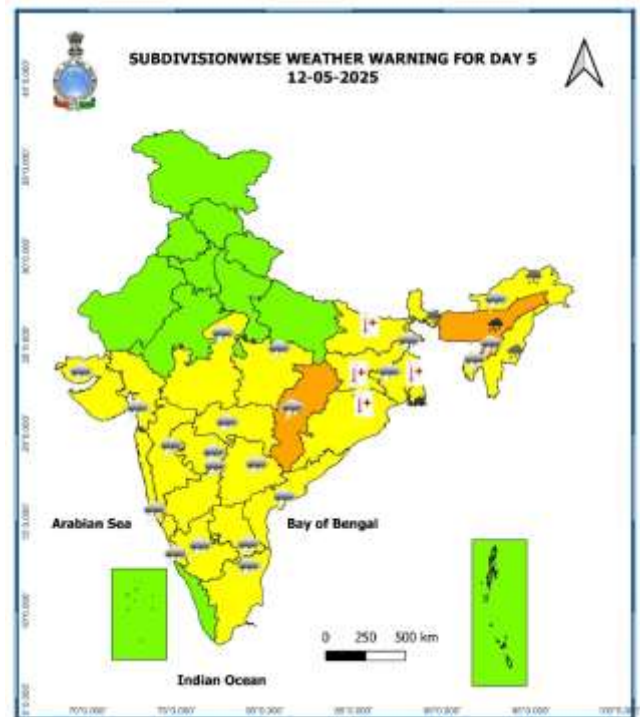
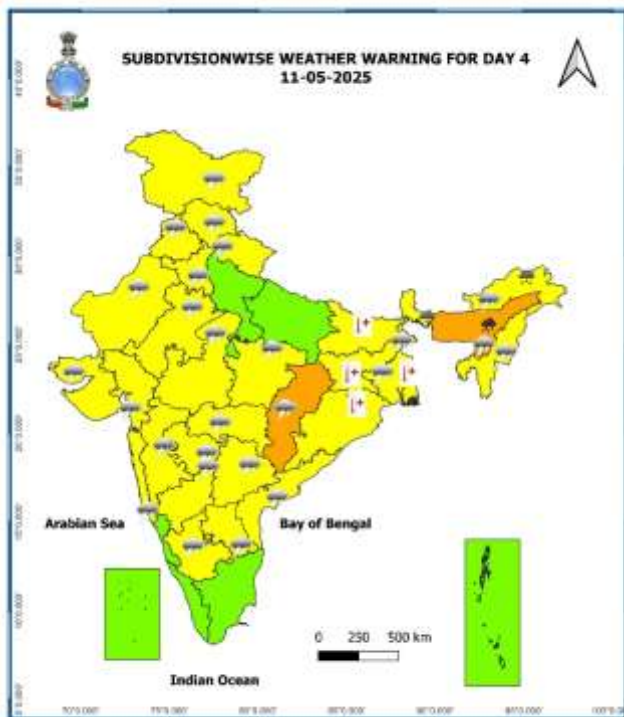
- ❖ Yesterday, **Maximum Temperatures** were in the range of **38 to 41 degree C** in some places of Odisha, Telangana, isolated pockets of Rajasthan, Rayalaseema, north Tamil Nadu, Madhya Maharashtra, east Madhya Pradesh, Chhattisgarh, Jharkhand, in the range **34-37 degree C** in some places of Marathwada, Karnataka, isolated pockets of South Uttar Pradesh, Kerala, Punjab, Haryana, East Rajasthan, coastal Andhra Pradesh and they **were less than 34 deg. C** elsewhere over remaining parts of the country. Yesterday, the **highest maximum temperature of 41.0°C** was reported at **Sambalpur (Odisha)** over the country. over the country.
- ❖ Yesterday, Maximum Temperatures were **appreciably above normal (-3.1°C to -5.0°C)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit Baltistan-Muzaffarabad and Assam & Meghalaya; **above normal (1.6°C to 3.0°C)** at isolated places over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Odisha, Konkan & Goa, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal. These were markedly below normal (-5.1 or below) at many places over West Madhya Pradesh and Gujarat Region; at a few places over East Rajasthan and Madhya Maharashtra; at isolated places over many places over Delhi, East Uttar Pradesh, West Rajasthan and Vidarbha; **appreciably below normal (-3.1°C to -5.0°C)** at many places over Punjab, East Madhya Pradesh and Punjab; at a few places over Himachal Pradesh; at isolated places over Haryana, West Uttar Pradesh; **below normal (-1.6°C to -3.0°C)** at many places over Chhattisgarh, Jharkhand; at a few places over Bihar; isolated places over Telangana and Rayalaseema and normal over rest parts of the country. (Fig. 2).

Fig. 1: Maximum Temperatures**Fig. 2: Departure of Maximum Temperatures**

7 Days Rainfall Forecast								
S. No.	Subdivision	08-May	09-May	10-May	11-May	12-May	13-May	14-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	FWS	FWS	FWS	WS	WS	WS
2	ARUNACHAL PRADESH	SCT	FWS	FWS	WS	WS	WS	WS
3	ASSAM & MEGHALAYA	FWS	FWS	WS	WS	WS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	ISOL	SCT	SCT	SCT	SCT	SCT	SCT
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	ISOL	ISOL	SCT	FWS	WS	WS	WS
6	GANGETIC WEST BENGAL	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	DRY	DRY	DRY	DRY	DRY	ISOL
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	SCT	ISOL	ISOL	ISOL	DRY	DRY	DRY
12	UTTARAKHAND	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
13	HARYANA CHANDIGARH & DELHI	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
14	PUNJAB	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	DRY
15	HIMACHAL PRADESH	FWS	FWS	SCT	SCT	SCT	ISOL	ISOL
16	JAMMU & KASHMIR AND LADAKH	FWS	FWS	SCT	SCT	SCT	ISOL	DRY
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION	FWS	FWS	SCT	ISOL	ISOL	ISOL	DRY
22	SAURASHTRA & KUTCH	FWS	FWS	SCT	ISOL	ISOL	ISOL	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH & YANAM	SCT	ISOL	ISOL	ISOL	SCT	SCT	SCT
29	TELANGANA	SCT	ISOL	SCT	ISOL	SCT	SCT	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
31	TAMILNADU PUDUCHERRY & KARAIKAL	SCT	ISOL	ISOL	ISOL	SCT	SCT	ISOL
32	COASTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	ISOL	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	ISOL	SCT	SCT
35	KERALA & MAHE	SCT	ISOL	ISOL	ISOL	SCT	SCT	SCT
36	LAKSHADWEEP	SCT	DRY	DRY	SCT	SCT	SCT	SCT

- 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 08th to 11th May 2025

Past Weather:

There has been no large change in minimum temperature and maximum temperature over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi are in the range of 35 to 37°C and 23 to 25°C, respectively. The minimum temperature was below normal up to 01 -03°C, and the maximum temperature was below normal up to 03 - 05°C over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the southeast/east direction, with wind speeds less than 15 kmph, prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 18 kmph from the northeast direction prevailed over the region in the forenoon today.

Weather Forecast:

08.05.2025: Partly cloudy sky becoming generally cloudy sky towards evening. Very light to Light rain accompanied by thunderstorms/lightning and strong surface winds during evening/night. Wind speed may increase temporarily up to 30-40 kmph gusting to 50 kmph during thunderstorms. The maximum temperatures over Delhi are likely to be in the range of 36 to 38°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 15 kmph till evening. It would decrease becoming less than 12 kmph from the south direction during the night.

09.05.2025: Generally cloudy sky. Very light to Light rain accompanied by thunderstorms/lightning and strong surface winds. Wind speed may increase temporarily up to 30-40 kmph gusting to 50 kmph during thunderstorms over the isolated places. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 25 to 27°C, respectively. The minimum temperature will be above normal up to 01 - 03 °C, and the maximum temperature will be below normal up to 03 - 05 °C. The predominant surface wind will likely be from the south direction with a wind speed of 08-12 kmph during morning hours. The wind speed will gradually increase, becoming 15-20 kmph from the south direction in the afternoon. It will decrease becoming less than 12 kmph from the south direction during evening and night.

10.05.2025: Partly cloudy sky. Very Light rain. Sustained surface winds (speed 10 – 20 kmph) occasionally gusting to 30 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 35 to 37°C and 26 to 28°C, respectively. The minimum temperature will be above normal up to 02 - 04 °C, and the maximum temperature will be below normal up to 02 - 04 °C. The predominant surface wind will likely be from the southwest direction with a wind speed of less than 10 kmph during the morning hours. The wind speed will gradually increase, becoming 15-20 kmph from the southwest direction in the afternoon. It will decrease becoming less than 18 kmph from the southwest direction during evening and night.

11.05.2025: Partly cloudy sky. Very Light rain. Sustained surface winds (speed 15 – 25 kmph) occasionally gusting to 35 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 36 to 38°C and 26 to 28°C, respectively. The minimum temperature will be above normal up to 02 - 04 °C, and the maximum temperature will be below normal up to 02 - 04 °C. The predominant surface wind will likely be from the southwest direction with a wind speed of less than 12 kmph during the morning hours. The wind speed will gradually increase, becoming 15-20 kmph from the southwest direction in the afternoon. It will decrease becoming less than 15 kmph from the southwest direction during evening and night.

Impact expected and Action Suggested due to isolated thunderstorm with lightning/gusty winds:

- Be cautious and take precautionary measures, though there is the likelihood of thunderstorm/lightning/dust storm accompanied by strong surface winds 30 – 40 kmph gusting to 50 kmph.
- Breaking of tree branches, uprooting of large avenue trees, Large dead limbs blown from trees, Damage to standing crops, Minor to major damage to power and communication lines due to breaking of branches, Partial damage to vulnerable structures due to strong winds, Loose objects may fly.
- 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 isolated thunderstorm with lightning/gusty & Squally winds & Hailstorm over

- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** over Konkan & Goa, Madhya Maharashtra, Marathawada and Gujarat State and West Madhya Pradesh on 08th and over Chhattisgarh during 09th-11th May.

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 Gangetic West Bengal during 10th-13th; Odisha during 10th-14th, Bihar during 11th-13th and Jharkhand during 11th-14th; May.

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.

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

- In **Arunachal Pradesh, Assam & Meghalaya, Gujarat and Tamil Nadu**, make provision to drain out excess water from standing crop and vegetable fields.
- 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 and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

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 62-67 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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Hot and Humid: When maximum temperatures remain 3°C above normal along with the above normal relative humidity.