



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



Press Release

Date: 02nd May, 2025

Time of Issue: 1400 hours IST

**Subject: i) Rainfall accompanied with thunderstorms, lightning, Hailstorms, squally/gusty winds over East & central India likely to continue till 06th May, 2025.
ii) Rainfall accompanied with thunderstorm/duststorm & squally/gusty winds likely to continue over northwest India till 07th May, 2025.**

i. Realised weather during past 24 hours till 0830 hours IST of today, the 02nd May 2025 (Annexure I):

- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 70-100 kmph prevailed at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Delhi, Odisha; with speed 40-70 kmph prevailed at isolated places over Gangetic West Bengal, Jharkhand, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Rajasthan, Punjab, Vidarbha, Chhattisgarh, Kerala & Mahe, Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana.
- ❖ **Hailstorm** occurred at isolated places over Bihar, Himachal Pradesh, Punjab, Haryana, Chandigarh, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Telangana and South Interior Karnataka.
- ❖ **Heavy to very heavy rainfall with extremely heavy falls** recorded at isolated places over Meghalaya; **Heavy rainfall** recorded at isolated places over Haryana, Delhi, East Rajasthan, Odisha, Gangetic West Bengal and Assam.
- ❖ **Duststorm** occurred at isolated places over Rajasthan.
- ❖ **Heat wave conditions** prevailed at isolated pockets of southwest Rajasthan.

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](#).

ii. Weather Systems, Forecast and Warnings (refer to [Annexure III & IV](#)):

- ❖ A Western Disturbance as a cyclonic circulation over south Punjab and adjoining north Rajasthan and west Haryana in middle tropospheric levels.
- ❖ An upper air cyclonic circulation lies over southwest Rajasthan in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over northeast Rajasthan & adjoining northwest Madhya Pradesh and a trough runs from this cyclonic circulation to Bangladesh in lower tropospheric levels.
- ❖ A trough from Punjab to north Kerala in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over north Bangladesh in lower & middle tropospheric levels.
- ❖ A trough in upper tropospheric westerlies roughly along Long. 90°E to the north of Lat. 22°N in middle tropospheric levels.
- ❖ Under the influence of these systems, the following weather is likely:

East & Central India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Bihar, Jharkhand, Odisha, West Bengal & Sikkim till 03rd May; Madhya Pradesh, Vidarbha, Chhattisgarh till 05th May.

- ✓ **Thundersquall (speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over West Madhya Pradesh on 02nd, 05th & 06th; East Madhya Pradesh, Chhattisgarh during 02nd-04th; Vidarbha on 02nd & 03rd; Gangetic West Bengal, Jharkhand on 03rd; Bihar on 04th and Odisha on 03rd & 04th May.
- ✓ **Isolated hailstorm** activity likely over Vidarbha on 02nd; Sikkim, Odisha, Chhattisgarh on 03rd; East Madhya Pradesh during 02nd-04th May.
- ✓ **Isolated heavy rainfall** over Odisha on 03rd & 04th May.

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 and Uttarakhand during 02nd-06th May.
- ✓ **Isolated hailstorm** very likely over Himachal Pradesh on 02nd & 03rd May.
- ✓ **Thundersquall** wind speed reaching 50-60 kmph likely over Himachal Pradesh on 02nd; Uttarakhand on 02nd & 04th and Jammu & Kashmir on 04th May.
- ✓ Isolated to scattered rainfall with **thunderstorm, lightning & strong winds speed reaching 40-60 kmph** likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan during 02nd-06th May.
- ✓ **Thundersquall (speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Rajasthan on 02nd & 04th; Punjab, Haryana Chandigarh & Delhi on 04th & 05th; West Uttar Pradesh on 02nd, 04th & 05th; East Uttar Pradesh on 05th May.
- ✓ **Duststorm** very likely at isolated places over Rajasthan during 02nd-05th 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 Karnataka, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal during next 7 days.
- ✓ **Isolated hailstorm** very likely over North Interior Karnataka on 05th & 06th May.
- ✓ **Thundersquall** wind speed reaching 50-60 kmph likely over South Interior Karnataka on 02nd & 03rd and North Interior Karnataka on 05th & 06th May.
- ✓ **Isolated heavy rainfall** over South Interior Karnataka on 02nd, 03rd & 06th; Kerala & Mahe on 02nd & 06th; Tamil Nadu on 06th and Coastal Andhra Pradesh on 03rd 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 7 days.
- ✓ **Isolated heavy rainfall** over Assam & Meghalaya on 02nd and during 05th-07th; Arunachal Pradesh on 05th & 06th May.

West India:

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & strong winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Gujarat, Konkan & Goa, Madhya Maharashtra and Marathwada during 03rd-08th May.

Temperature Forecast:

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

Heat wave, warm night and Hot & Humid weather warning:

- ❖ **Hot & humid weather** is likely to prevail over Tamilnadu Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema on 02nd May.

iv. Weather conditions and forecast over Delhi/NCR during 02nd May to 05th 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>

ANNEXURE I

Significant weather reported during past 24 hours till 0830 hours IST of today:

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

Rainfall recorded (in cm):

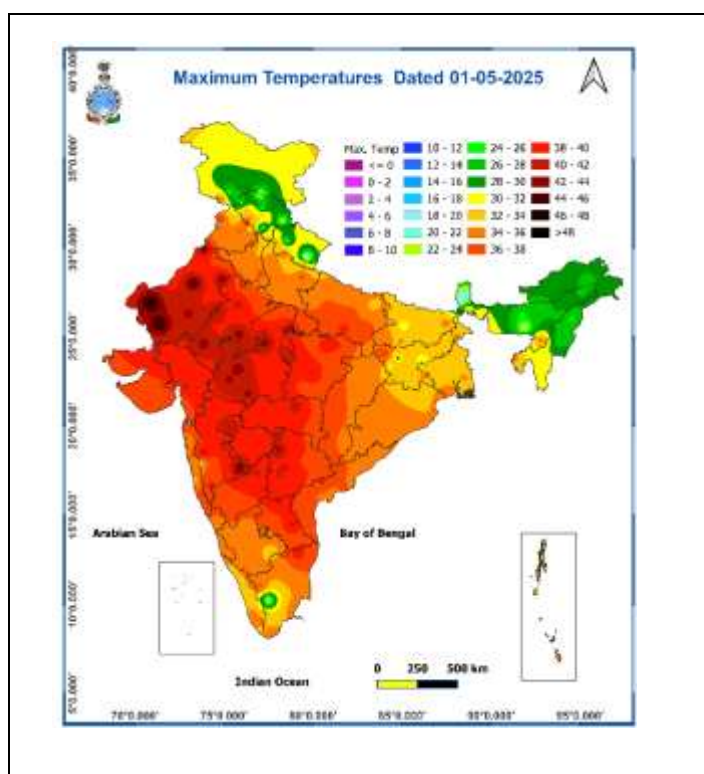
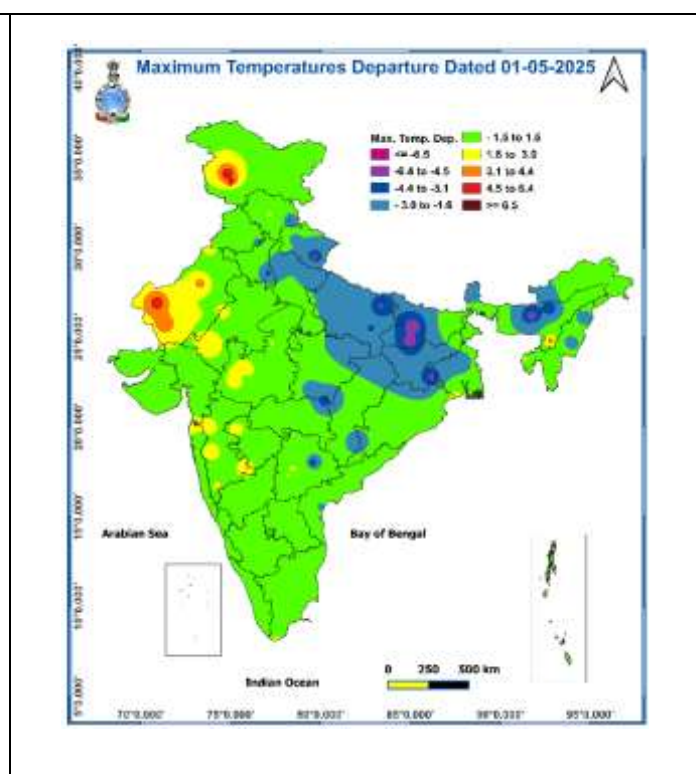
- ❖ **Assam & Meghalaya:** Mynkre-22, Nongstein (dist West Khasi Hills) 8;
- ❖ **Gangetic West Bengal:** Jhargram PTO (dist Jhargram) 7;
- ❖ **Odisha:** Gunupur (dist Rayagada) 11; Dabugan (dist Nawarangpur) 7; Banpur (dist Khurda), Gopalpur (dist Ganjam), Kotagarh (dist Kandhamal) 5 Each;
- ❖ **Jharkhand:** Zrs Dumka (dist Dumka) 9; Sikatia (dist Deoghar), Putki Dvc (dist Dhanbad) 6 Each; Narayanpur (dist Jamtara) 5;
- ❖ **Uttarakhand:** Gairsain (dist Chamoli) 5;
- ❖ **Haryana-Chandigarh-Delhi:** Lodi Road (dist New Delhi), Dhansa (dist South West Delhi), Safdarjung (dist New Delhi) 8 Each; Bahadurgarh (dist Jhajjar), Kalanaur (dist Rohtak), Pitampura AWS (dist North West Delhi), Jafarpur AWS (dist South West Delhi), Delhi University Obs (dist North Delhi), Pragati Maidan (dist New Delhi), Beri (dist Jhajjar), Jhajjar AWS (dist Jhajjar) 7 Each; Punhana (dist Nuh), Jhahhar (dist Jhajjar), Lodi Road AWS (dist New Delhi), Delhi Ridge (dist North Delhi) 6 Each; Pusa AWS (dist Central Delhi), Gharaunda (dist Karnal) 5 Each;
- ❖ **Punjab:** Muktsar (dist Muktsar) 5;
- ❖ **East Rajasthan:** Kaman (dist Bharatpur) 8;
- ❖ **Coastal Andhra Pradesh & Yanam:** Parvathipuram (dist Parvathipuram Manyam) 6; Kurupam (dist Parvathipuram Manyam), Veeraghattam (dist Parvathipuram Manyam) 5 Each;
- ❖ **Telangana:** Kataram (dist J. Bhupalpally) 6; Dornakal (dist Mahabubabad) 5.

Realised Gusty wind since last 24 hours (till 0830 hrs IST) (Max Gust in kmph)

- ❖ **Gangetic West Bengal:** Digba 48 Kmph, Alipore 71 Kmph, Dumdum 51 Kmph
- ❖ **Odisha:** Angul(58), Puri(46), Raigada(74), Cuttack(59), Sonapur(44), Balasore(595),
- ❖ **Jharkhand:** Hazaribag(85), Pakpur-65, Jamtara-44, Jagannathpur(37), Simdega(55) Gumla(39),
- ❖ **Bihar:** Patna(69), Agwanpur(57), Rajgir(85), Aurangabad(72)
- ❖ **Delhi:** Safdarjung-80, Pragati Maidan-78, Palam, Jaffarpura- 74 Each, Lodi Road, Pitampura-59 Each, Najabgarh-56, Ignou-52, Pharma Science-46, Kv Narayana-39
- ❖ **Jammu-Kashmir:** Samba(Aws)=81, Chatta=61, jmu=50, Kup=39
- ❖ **Himachal Pradesh:** Kufri-65, Bikanpur-61, Rekong Peo-57, Bajaura, Narkanda, Tabo-37
- ❖ **Uttarakhand:** Pantnagar (Aws)-37, Roorkee(Aws)-37, Jollygrant (Ams)-31
- ❖ **West Uttar Pradesh:** Agra(Iaf)-50
- ❖ **East Uttar Pradesh:** Lucknow(Ap)-46
- ❖ **West Rajasthan:** Jodhpur (41
- ❖ **Punjab:** Fatehgarh Sahib= 91 Sangrur= 78 Hoshiarpur= 70 Jalandhar=65 Faridkot=63 Firozpur= 41 Abohar=57
- ❖ **Haryana Chandigarh & Delhi:** Sirsa=81 Kaul=70 Sonapat=67 Gurugram =65 Panipat= 59 Mandkola= 56 Bopani =52 Karnal =48
- ❖ **Arunachal Pradesh:** Lowertato=37
- ❖ **Assam & Meghalaya:** Tura=57 Tura_Kvk =54 Nongstoin_Kvk=42 Mawsynram=40 Mawkyrwat=35 Baghmara =33 Gossaigaon_Amfu = 35
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Kamjong=37, Chiephobozou_Nerhema _Awd=54 Wokha_Aws=39 Jharnapani_Amfu=57,
- ❖ **Madhya Pradesh:** Sehore (39 Kmph), Agarmalwa (39 Kmph), Sajapur & Harda ((35 Kmph), Guna, Indore, & Barwani(33 Kmph)
- ❖ **East Madhya Pradesh:** Jabalpur (65 Kmph), Shadol (63 Kmph), Singroli (50 Kmph), Mandala (46 Kmph)
- ❖ **Vidarbha:** Nagpur (65 Kmph), Wardha (23 Kts), Yawatmal (22 Kts)
- ❖ **Chhattisgarh:** Mana & Bemetara 60 Kts & Balod (83 Kmph)

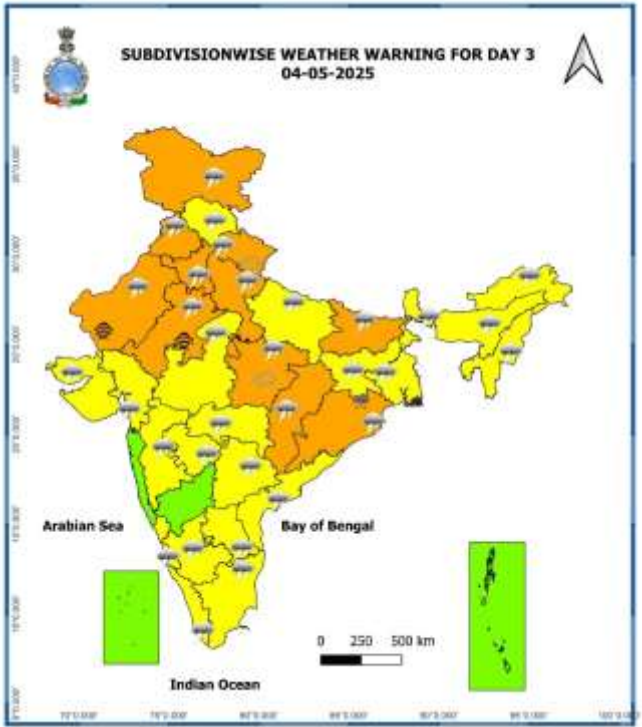
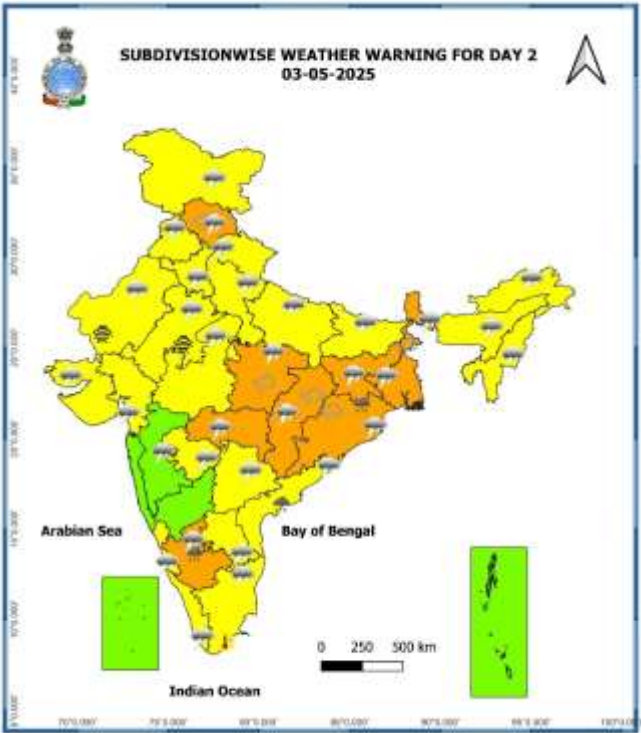
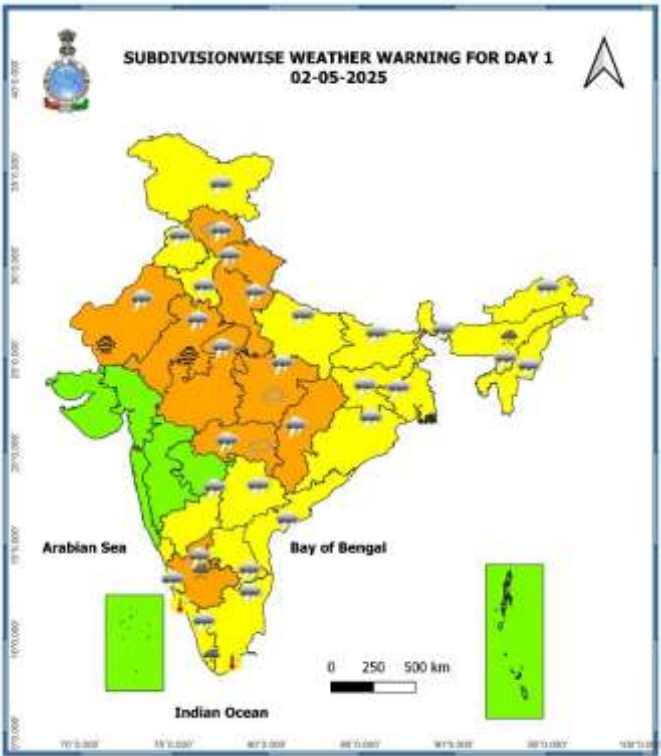
Temperature observations during past 24 hours till 0830 hours IST of today:

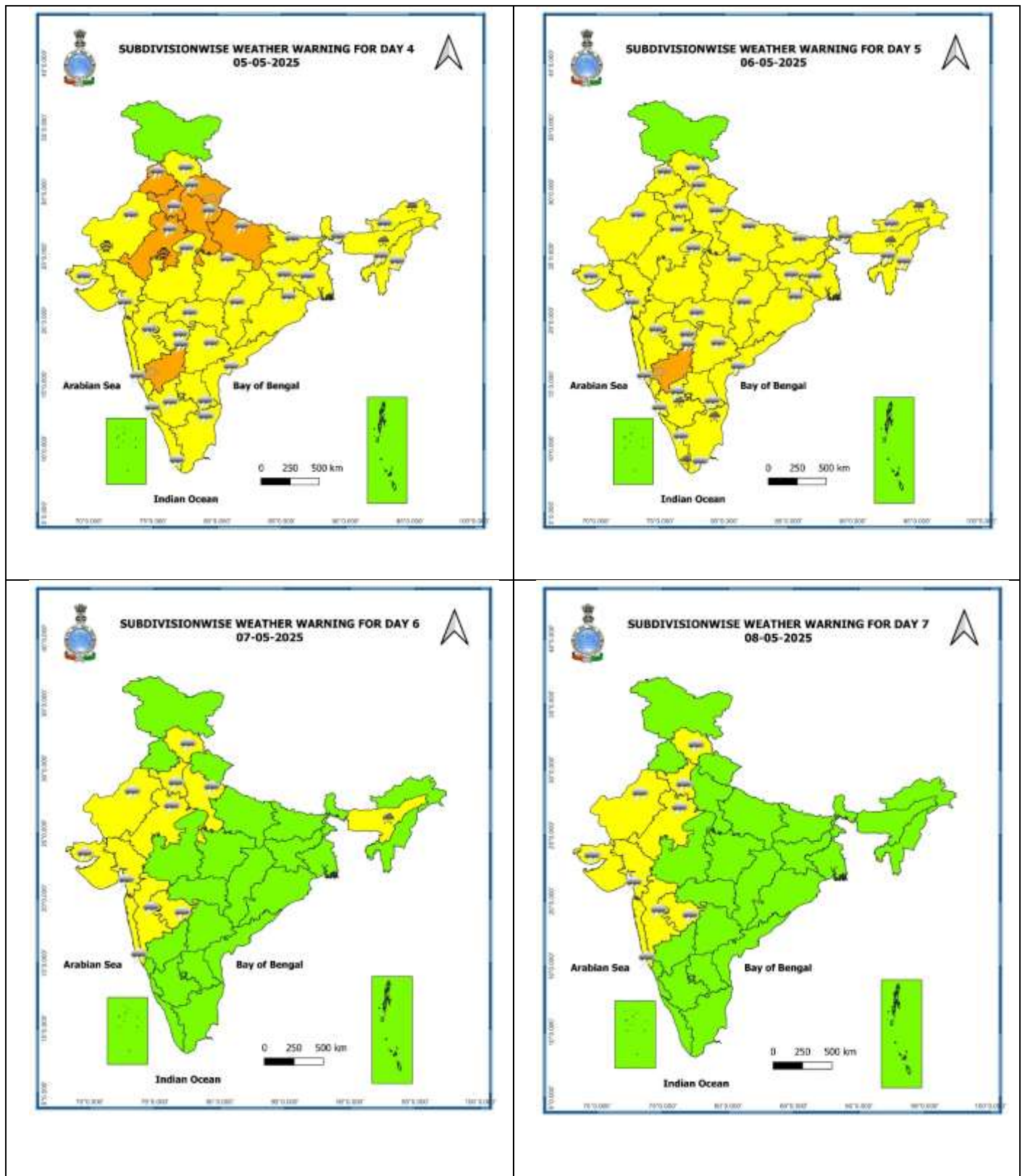
- ❖ Yesterday, Maximum Temperatures were in the range of 42-46 °C at many places over West Rajasthan; at a few places over East Rajasthan, West Madhya Pradesh; at isolated places over Marathwada; 38-42°C at many places over Vidarbha, Telangana, Madhya Maharashtra, Gujarat Region; at isolated places over North Interior Karnataka and East Madhya Pradesh. Yesterday, the highest maximum temperature of 46.7°C was reported at Jaisalmer (West Rajasthan) over the country.
- ❖ Yesterday, Maximum Temperatures were markedly above normal (5.1°C or more) at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan; above normal (1.6°C to 3.0°C) at isolated places over East Rajasthan, West Madhya Pradesh, Konkan & Goa, Marathwada, Madhya Maharashtra. These were markedly below normal (-5.1 or below) at isolated places over Bihar, Jharkhand, Assam & Meghalaya, East Uttar Pradesh, Uttarakhand; below normal (-1.6°C to -3.0°C) at isolated places over Haryana-Chandigarh-Delhi, East Madhya Pradesh, Chhattisgarh, Vidarbha, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh 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	02-May	03-May	04-May	05-May	06-May	07-May	08-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	FWS	FWS	WS	WS	FWS	FWS
2	ARUNACHAL PRADESH	SCT	SCT	SCT	FWS	FWS	WS	FWS
3	ASSAM & MEGHALAYA	SCT	SCT	FWS	WS	WS	WS	FWS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	FWS	FWS	SCT	SCT	SCT	FWS	FWS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	WS	FWS	FWS	FWS	SCT
6	GANGETIC WEST BENGAL	ISOL	FWS	SCT	SCT	FWS	SCT	SCT
7	ODISHA	FWS	FWS	FWS	SCT	SCT	ISOL	ISOL
8	JHARKHAND	SCT	SCT	SCT	ISOL	ISOL	DRY	DRY
9	BIHAR	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	DRY
10	EAST UTTAR PRADESH	SCT	SCT	FWS	FWS	FWS	ISOL	DRY
11	WEST UTTAR PRADESH	FWS	SCT	FWS	FWS	FWS	SCT	ISOL
12	UTTARAKHAND	SCT	SCT	FWS	FWS	FWS	SCT	SCT
13	HARYANA CHANDIGARH & DELHI	FWS	ISOL	SCT	FWS	SCT	ISOL	ISOL
14	PUNJAB	SCT	ISOL	SCT	FWS	SCT	ISOL	ISOL
15	HIMACHAL PRADESH	FWS	FWS	FWS	FWS	SCT	SCT	SCT
16	JAMMU & KASHMIR AND LADAKH	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASHTRA & KUTCH	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH & YANAM	SCT	FWS	ISOL	FWS	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
30	RAYALASEEMA	ISOL	SCT	ISOL	SCT	SCT	ISOL	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	SCT	SCT	SCT	SCT	ISOL
32	COASTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	FWS
33	NORTH INTERIOR KARNATAKA	ISOL	DRY	DRY	ISOL	SCT	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	ISOL	ISOL	SCT	SCT	SCT
35	KERALA & MAHE	FWS	SCT	SCT	SCT	FWS	FWS	FWS
36	LAKSHADWEEP	SCT	FWS	DRY	DRY	DRY	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 02nd to 05th May 2025

Past Weather:

There has been fall in minimum temperature upto 08°C and slight rise in maximum temperature over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi are in the range of 37 to 38°C and 17 to 18°C respectively. The minimum temperature was below normal upto 05 - 08°C and maximum temperature was below normal upto 01 - 03°C over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the east direction with wind speeds less than 25 kmph gusting to 74 kmph prevailed during the past 24 hours. Generally cloudy sky conditions with wind speed less than 14 kmph from the southeast direction prevailed over the region in the forenoon today.

Weather Forecast:

02.05.2025: Generally cloudy sky. Very light to light rain. Thunderstorm/lighting accompanied with strong surface winds 20 – 30 kmph gusting to 40 kmph. The maximum temperature over Delhi is likely to be in the range of 28 to 30°C. The maximum temperature will be below normal upto 08 - 10°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 16 kmph till evening. It would decrease becoming less than 14 kmph from the east direction during the night.

03.05.2025: Generally cloudy sky. Very light to light rain. Thunderstorm/lighting accompanied with strong surface winds 20 – 30 kmph gusting to 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C and 20 to 22°C respectively. The minimum temperature will be above normal upto 05 - 07°C and maximum temperature will be below normal upto 06 - 08°C. The predominant surface wind will likely be from the southeast direction with a wind speed of 08-10 kmph during morning hours. The wind speed will gradually increase thereafter becoming 10-14 kmph from the east direction during the afternoon. It will increase becoming less than 20 kmph from the southeast direction during evening and night.

04.05.2025: Generally cloudy sky. Very light to light rain. Strong surface winds 30 – 40 kmph. Thunderstorm/lighting accompanied with strong surface winds 20 – 30 kmph gusting to 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 34 to 36°C and 22 to 24°C respectively. The minimum temperature will be above normal upto 03 - 05°C and maximum temperature will be below normal upto 02 - 04°C. The predominant surface wind will likely be from the southeast direction with a wind speed of 20-25 kmph during morning hours. The wind speed will gradually decrease becoming 10-15 kmph from the southeast direction in the afternoon. It will increase becoming less than 20 kmph from the southeast direction during evening and night.

05.05.2025: Generally cloudy sky. Very light to light rain. Thunderstorm/lighting accompanied with strong surface winds 20 – 30 kmph gusting to 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C and 22 to 24°C respectively. The minimum temperature will be above normal upto 03 - 05°C and maximum temperature will be below normal upto 04 - 05°C. The predominant surface wind will likely be from the southeast direction with a wind speed less than 22 kmph during morning hours. The wind speed will gradually decrease becoming 12-14 kmph from the southeast direction in the afternoon. It will increase becoming less than 20 kmph from the southeast direction during evening and night.

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

- Be cautious and take precautionary measures though there is likelihood of thunderstorm/lighting/dust storm accompanied with 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)** likely over West Madhya Pradesh on 02nd, 05th & 06th; East Madhya Pradesh, Chhattisgarh during 02nd -04th; Vidarbha, South Interior Karnataka on 02nd & 03rd; Gangetic West Bengal, Jharkhand on 03rd; Bihar, Jammu & Kashmir on 04th and Odisha on 03rd & 04th May; Himachal Pradesh on 02nd; Uttarakhand, Rajasthan on 02nd & 04th; Punjab, Haryana Chandigarh & Delhi on 04th & 05th; West Uttar Pradesh on 02nd, 04th & 05th; East Uttar Pradesh on 05th and North Interior Karnataka on 05th & 06th May.
- ❖ **Isolated hailstorm** activity likely over Vidarbha on 02nd; Sikkim, Odisha, Chhattisgarh on 03rd; East Madhya Pradesh during 02nd-04th May. Himachal Pradesh on 02nd & 03rd May North Interior Karnataka on 05th & 06th 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.

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

- In **Odisha, Kerala and South Interior Karnataka**, make provision to drain out excess water from standing crop and vegetable fields.
- In **Sikkim, Odisha, Himachal Pradesh, East Madhya Pradesh, Chhattisgarh and Vidarbha**, use hail nets and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms.
- To protect standing crops, vegetables and orchards from the adverse effects of heat waves and high temperatures, apply light and frequent irrigation in the evening.
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.
- Provide mechanical support to horticultural crops and staking to vegetables to avoid lodging.

Livestock / Poultry / Fishery

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

Legends & 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)

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.

For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

(Service to the Nation since 1875)

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