



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



Press Release

Date: 05th May, 2025

Time of Issue: 1345 hours IST

Subject: i) Rainfall accompanied with thunderstorms, lightning, Hailstorms, squally/gusty winds likely to continue over Northwest India during next 7 days; over central India till 07th and decrease in intensity thereafter.
ii) Heavy Rainfall accompanied with thunderstorm, lightning & squally/gusty winds likely over Gujarat state and southwest Rajasthan during 05th-08th May & over Uttarakhand during 6th-7th May 2025.
iii) Heavy Rainfall accompanied with thunderstorm & lightning likely over northeast India during 06th to 08th May, 2025.

**Realised weather during past 24 hours till 0830 hours IST of today, the 04th May 2025
(Annexure I):**

- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 70-110 kmph prevailed at some places over Coastal Andhra Pradesh & Yanam, West Madhya Pradesh, West Rajasthan, East Uttar Pradesh, Uttarakhand; with speed 40-70 kmph prevailed at isolated places over Northeast India, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gujarat Region, Tamilnadu Puducherry & Karaikal, Kerala & Mahe, Rayalaseema, Telangana.
- ❖ **Hailstorm** occurred at isolated places over Tamilnadu, Telangana, Coastal Andhra Pradesh & Yanam, Rayalaseema, Himachal Pradesh, Uttarakhand, Punjab, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Gujarat Region.
- ❖ **Heavy rainfall** recorded at isolated places over Tamil Nadu, Kerala, Coastal Andhra Pradesh, Rayalaseema, Himachal Pradesh, West Madhya Pradesh.

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):

- ❖ The Western Disturbance as a cyclonic circulation over central Pakistan adjoining Punjab & northwest Rajasthan in lower to upper tropospheric levels.
- ❖ An upper air cyclonic circulation lies over northeast Rajasthan & neighbourhood and another over south Pakistan & adjoining southwest Rajasthan in lower tropospheric levels.
- ❖ An east-west trough runs from East Rajasthan to north Bangladesh in lower tropospheric levels.
- ❖ The north-south trough runs from southeast Madhya Pradesh to South Interior Karnataka across Marathwada, Telangana, North Interior Karnataka in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over south Tamil Nadu & neighbourhood and another over Northeast Assam in lower 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, Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh and isolated to scattered rainfall over Rajasthan during 05th-11th May.
- ✓ **Isolated hailstorm** very likely over Uttarakhand on 05th & 06th and over Himachal Pradesh, Punjab, Haryana Chandigarh, Uttar Pradesh on 05th May.
- ✓ **Thundersquall (speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Himachal Pradesh during 05th-08th; Uttarakhand on 05th & 06th; Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana Chandigarh, Uttar Pradesh on 05th May.
- ✓ **Duststorm** very likely at isolated places over West Rajasthan during 05th-09th and over East Rajasthan on 05th & 06th May.
- ✓ **Isolated heavy rainfall** likely over Uttarakhand on 06th & 07th; over Rajasthan during 05th-07th May.

West India:

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Gujarat, Konkan & Goa, Madhya Maharashtra and Marathawada during 05th-09th May.
- ✓ **Isolated hailstorm** activity very likely over Madhya Maharashtra on 06th & 07th and over Marathawada on 07th May.
- ✓ **Thundersquall** wind speed reaching 50-60 kmph gusting to 70 kmph likely over Gujarat state during 05th-08th May.
- ✓ **Isolated heavy rainfall** likely over Gujarat state during 05th-08th May with **very heavy rainfall** over Gujarat region on 06th May.

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 07th; Madhya Pradesh, Vidarbha, Chhattisgarh till 09th May.
- ✓ **Thundersquall (speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over West Madhya Pradesh on 05th & 06th; East Madhya Pradesh during 05th-07th; Vidarbha, Chhattisgarh, Bihar on 05th May.
- ✓ **Isolated hailstorm** activity likely over West Madhya Pradesh, Vidarbha, Chhattisgarh on 05th; East Madhya Pradesh during 05th-07th 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 South Interior Karnataka, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal during next 7 days.
- ✓ **Isolated hailstorm** very likely over Telangana on 05th May.
- ✓ **Thundersquall** wind speed reaching 50-60 kmph likely over Coastal Andhra Pradesh & Yanam, Rayalaseema during 05th-07th May.
- ✓ **Isolated heavy rainfall** over Tamilnadu Puducherry & Karaikal, Rayalaseema on 05th & 06th; Coastal Andhra Pradesh & Yanam during 05th-07th; Kerala & Mahe on 05th and during 07th-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 7 days.
- ✓ **Isolated heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya on 06th, 07th & 08th May.

Temperature Forecast:

- ❖ No significant change in maximum temperatures likely over Northwest India & Central India during next 4 days and rise by 2-3°C thereafter for subsequent 4 days.
- ❖ No significant change in maximum temperatures likely over East India during next 48 hours and rise by 3-5°C thereafter for subsequent 4 days.
- ❖ Gradual fall in maximum temperature likely over West India by 3-5°C during next 4-5 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 Gangetic West Bengal, Odisha during 08th-11th May.

iv. Weather conditions and forecast over Delhi/NCR during 05th May to 08th 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 Uttarakhand; at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi, West Rajasthan, Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim, Tamilnadu Puducherry & Karaikal, Vidarbha; at a few places over West Uttar Pradesh, Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Lakshadweep, Coastal Andhra Pradesh & Yanam, West Madhya Pradesh; at isolated places over East Uttar Pradesh, East Rajasthan, Bihar, Odisha, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Gujarat State, Rayalaseema, Telangana, Interior Karnataka, East Madhya Pradesh.

Rainfall recorded (in cm):

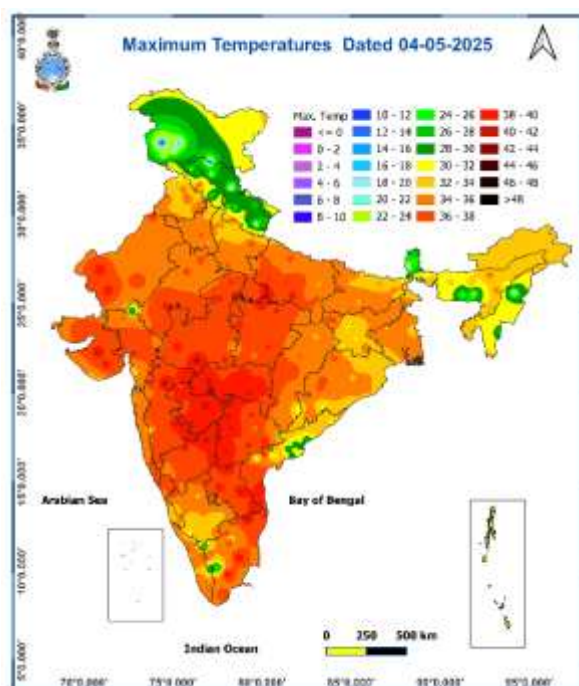
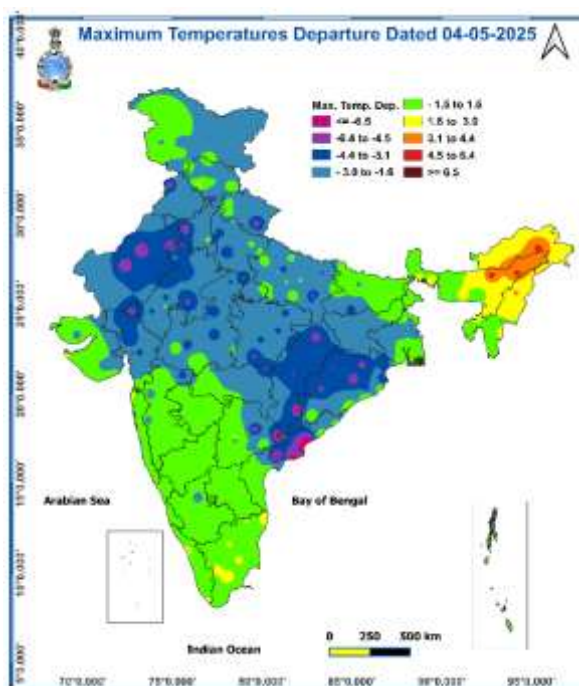
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Virudachalam (dist Cuddalore), Rameswaram (dist Ramanathapuram), Me Mathur (dist Cuddalore) 9 Each; Sirkali (dist Mayiladuthurai) 8; Parangipettai (dist Cuddalore), Pullambadi (dist Trichy), Vepur (dist Cuddalore), Kuppanatham (dist Cuddalore), Thangachimadam (dist Ramanathapuram), Uppar Dam (dist Tiruppur) 7 Each; Pollachi (dist Coimbatore), Sethiathope (dist Cuddalore), Kollidam (dist Mayiladuthurai), Annavasal (dist Pudukkottai), Lalpet (dist Cuddalore), Gangavalli (dist Salem), Kudimiyamalai (dist Pudukkottai) 6 Each; Chinnakalar (dist Coimbatore), Chidambaram (dist Cuddalore), Mahabalipuram (dist Chengalpattu), Thammampatty (dist Salem), Sivaganga (dist Sivaganga), Cincona (dist Coimbatore), Annamalai Nagar (dist Cuddalore), Kattumayilur (dist Cuddalore), Avadi (dist Tiruvallur), Kunderipallam (dist Erode) 5 Each;
- ❖ **Kerala & Mahe:** Vannamada AWS (dist Palakkad) 8; Poonjar AWS (dist Kottayam) 7; Chittur (dist Palakkad) 5.
- ❖ **Rayalaseema:** Gudur (dist Tirupati) 8;
- ❖ **Coastal Andhra Pradesh & Yanam:** Amalapuram (dist B R Ambedkar Konaseema) 8; Kakinada (dist Kakinada) 7;
- ❖ **Assam & Meghalaya:** Dhekiajuli (dist Shonitpur) 6;
- ❖ **Sub Himalayan West Bengal & Sikkim:** Buxaduar (dist Alipurduar) 6; Mathabhanga (dist Cooch Behar), Murti (dist Jalpaiguri), Cooch Behar (dist Cooch Behar) 5 Each;
- ❖ **Bihar:** Kasba (dist Purnea) 6;
- ❖ **West Uttar Pradesh:** Bareilly PBO (dist Bareilly), Moradabad (dist Moradabad) 5 Each; **Uttarakhand:** Mussoorie (dist Dehradun) 6; Narendranagar (dist Garhwal Tehri) 5;
- ❖ **Haryana-Chandigarh-Delhi:** Paundri REV (dist Kaithal), Madluda REV (dist Panipat) 6 Each; Pehowa (dist Kurukshetra), Dandh REV (dist Kaithal), Panipat (dist Panipat) 5 Each;
- ❖ **Himachal Pradesh:** Kahu (dist Bilaspur) 7; Kandaghat (dist Solan) 6; **West Madhya Pradesh:** Indore (dist Indore) 7;

Realised Gusty Winds during past 24hours ending at 0300 UTC of today i.e 05.05.2025 (AWS Data, KT):

- ❖ **Arunachal Pradesh:** 25KT, LOWER TATO (dist SHIYOMI);
- ❖ **Assam & Meghalaya:** UMLAPHER=18,BORGAON_HWC=18,BOKO_AEGCL=17, MAWKHYRAT;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** MET_AGARTALA = 18 KT;
- ❖ **Gangetic West Bengal:** Dimaond Harbour (16 kt);
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Dhupguri (19 kt), Mal (17 kt);
- ❖ **Odisha:** Puri (16 kt);
- ❖ **Jharkhand:** Chatra (32 kt);
- ❖ **Bihar:** Aurangabad (23 kt);
- ❖ **Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad:** KATHUA = 23, REASI = 19, POONCH = 19.;
- ❖ **Himachal Pradesh:** Kufri (28KT),R-Peo(27KT),Seobagh(22KT),Tabo(37KT);
- ❖ **Uttarakhand:** Jollygrant (AMS)-42, Jollygrant (AWS)-38, Maldevta (AWS)-32, Pantnagar (AWS)-23;
- ❖ **Punjab:** HOSHIARPUR (SALERN)=54, PATHANKOT=46, HOSHIARPUR=44, RUPNAGAR(SRI ANANDPUR)=43, RUPNAGAR (BHAKRA DAM), PATIALA (AWS)=37;
- ❖ **Haryana:** KAITHAL(KAUL)=65, PANIPAT(UJA)=56, JIND(PANDUA)=52, KARNAL(UCHANI)=48;
- ❖ **West Uttar Pradesh:** AGRA (IAF)-35 KMPH;
- ❖ **East Uttar Pradesh:** VARANASI(AP)-82, JALAUN-63, CHANDAULI-54 KMPH; West Rajasthan: JODHPUR-42KT;

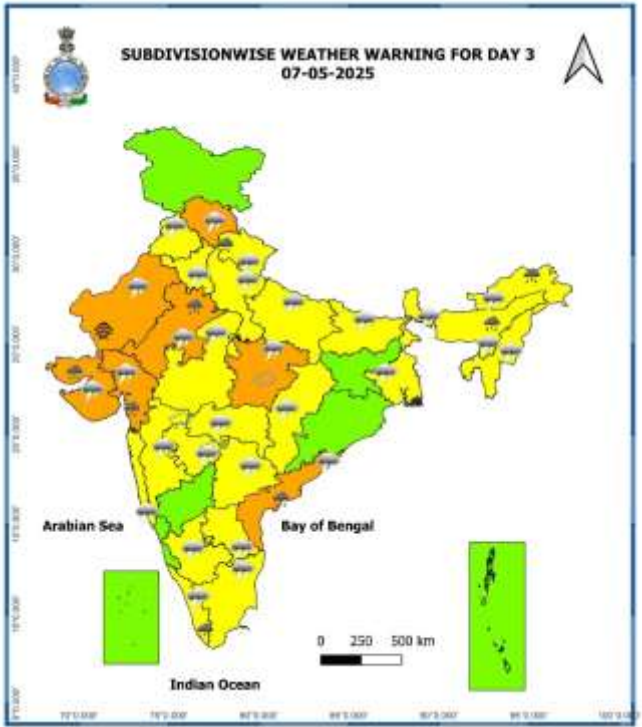
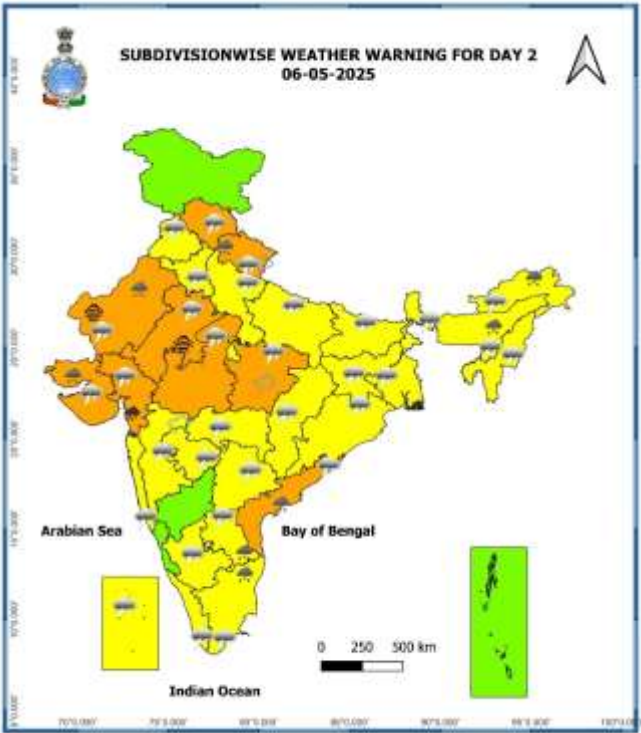
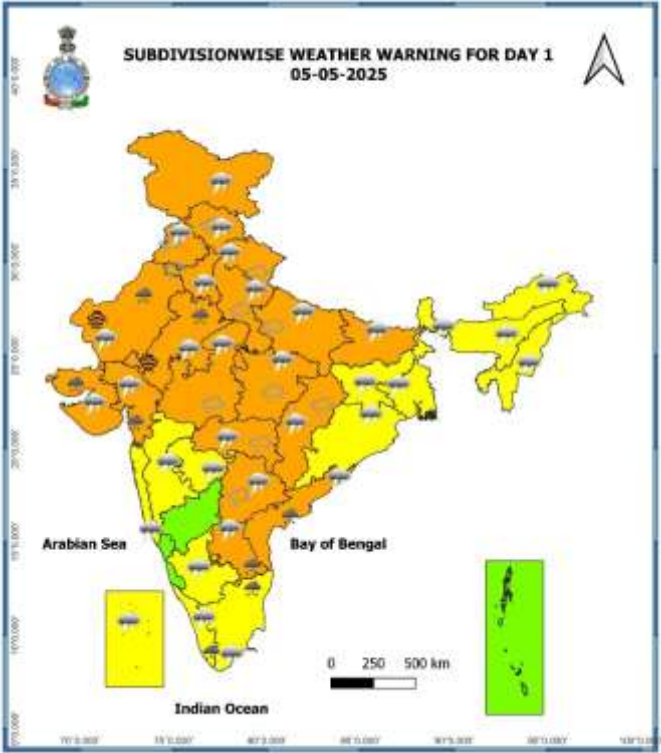
Temperature observations during past 24 hours till 0830 hours IST of today:

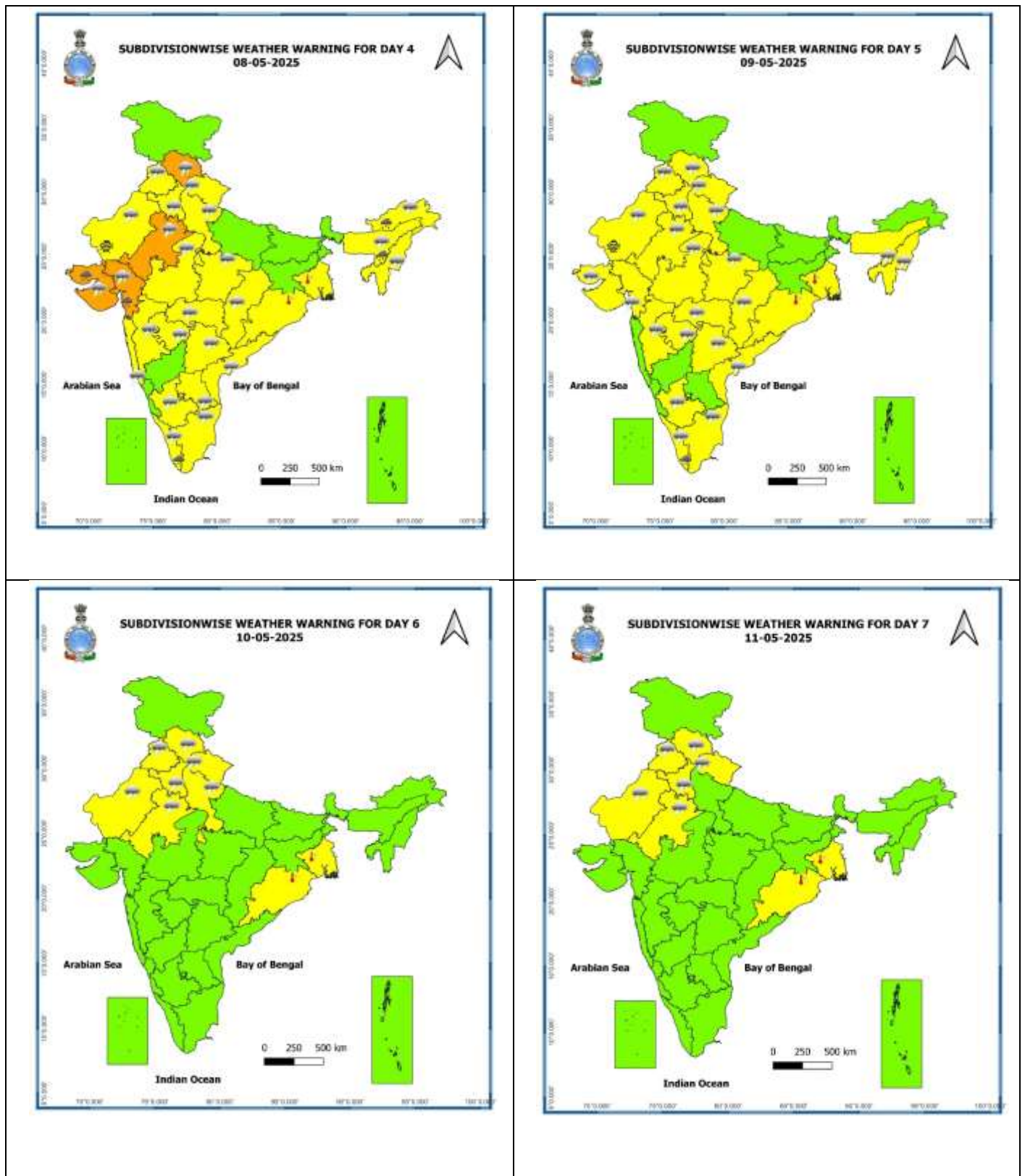
- ❖ Yesterday, Maximum Temperatures were in the **range of 38-43°C** at most places over Marathwada, Vidarbha, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal; at many places over Madhya Pradesh, Madhya Maharashtra, Telangana; at a few places over West Rajasthan, Punjab, East Uttar Pradesh, Saurashtra & Kutch; at isolated places over West Uttar Pradesh, Coastal Andhra Pradesh & Yanam; **33-38°C** at most places over Haryana-Chandigarh-Delhi, East Rajasthan, Chhattisgarh, Odisha, Gangetic West Bengal, Assam, Nagaland, Tripura, South Interior Karnataka; at many places over Konkan & Goa, Jharkhand, Bihar, Coastal Karnataka, Kerala & Mahe, Lakshadweep; at a few places over Uttarakhand, Gujarat Region, Sub-Himalayan West Bengal, Andaman & Nicobar Islands. Yesterday, the highest **maximum temperature of 43.2°C** was reported at **Nandurbar (Madhya Maharashtra)** over the country.
- ❖ Yesterday, **Maximum Temperatures** were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Assam & Meghalaya; **above normal (1.6°C to 3.0°C)** at a few places over Tamil Nadu, Puducherry & Karaikal, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim. These were **appreciably below normal (-3.1°C to -5.0°C)** at many places over Coastal Andhra Pradesh & Yanam, Odisha, East Madhya Pradesh; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Haryana-Chandigarh-Delhi, West Madhya Pradesh, Uttar Pradesh, Rajasthan, Telangana, Chhattisgarh, Gujarat state; **below normal (-1.6°C to -3.0°C)** at isolated places over Konkan & Goa, Bihar, Jharkhand, Punjab, Uttarakhand, Himachal 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	05-May	06-May	07-May	08-May	09-May	10-May	11-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	SCT	SCT	FWS	FWS	WS
2	ARUNACHAL PRADESH	FWS	FWS	WS	FWS	FWS	SCT	SCT
3	ASSAM & MEGHALAYA	SCT	WS	WS	WS	WS	FWS	WS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	SCT	FWS	FWS	SCT	SCT	SCT	SCT
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	FWS	SCT	SCT	SCT	FWS
6	GANGETIC WEST BENGAL	SCT	SCT	ISOL	DRY	DRY	DRY	DRY
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
9	BIHAR	SCT	ISOL	ISOL	DRY	DRY	DRY	ISOL
10	EAST UTTAR PRADESH	FWS	SCT	ISOL	ISOL	DRY	DRY	ISOL
11	WEST UTTAR PRADESH	FWS	SCT	ISOL	ISOL	ISOL	ISOL	SCT
12	UTTARAKHAND	FWS	WS	FWS	FWS	SCT	SCT	SCT
13	HARYANA CHANDIGARH & DELHI	FWS	SCT	ISOL	ISOL	ISOL	SCT	SCT
14	PUNJAB	FWS	SCT	ISOL	ISOL	ISOL	SCT	SCT
15	HIMACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	SCT	SCT
16	JAMMU & KASHMIR AND LADAKH	SCT	ISOL	ISOL	ISOL	ISOL	SCT	ISOL
17	WEST RAJASTHAN	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	SCT	SCT	SCT	ISOL	ISOL	ISOL	DRY
19	WEST MADHYA PRADESH	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION	FWS	WS	WS	WS	FWS	SCT	ISOL
22	SAURASHTRA & KUTCH	FWS	WS	WS	WS	FWS	SCT	ISOL
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	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH & YANAM	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	SCT	SCT	SCT	ISOL	ISOL	SCT	SCT
30	RAYALASEEMA	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
35	KERALA & MAHE	SCT	SCT	SCT	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	SCT	SCT	SCT	DRY	DRY	DRY	DRY

- 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 05th to 08th May 2025

Past Weather:

There has been fall in minimum temperature upto 01°C and rise in maximum temperature upto 01°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi are in the range of 34 to 36°C and 22 to 23°C respectively. The minimum temperature was below normal upto 01 -03°C and maximum temperature was below normal upto 03 - 06°C over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the east direction with wind speeds less than 20 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 20 kmph gusting to 40 kmph from the southeast direction prevailed over the region in the forenoon today.

Weather Forecast:

05.05.2025: Generally cloudy sky. Light rain accompanied with thunderstorm/lightning and strong surface winds. Wind speed may increase temporarily upto 30-40 kmph gusting to 50 kmph during thunderstorm. The maximum temperature over Delhi is likely to be in the range of 30 to 32°C. The maximum temperature will be below normal upto 07 - 09°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 14 kmph till evening. It would increase becoming less than 18 kmph from the southeast direction during the night.

06.05.2025: Generally cloudy sky. Light rain accompanied with thunderstorm/lightning and strong surface winds. Wind speed may increase temporarily upto 30-40 kmph gusting to 50 kmph during thunderstorm. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 22 to 24°C respectively. The minimum temperature will be near normal and maximum temperature will be below normal upto 05 - 07°C. The predominant surface wind will likely be from the southeast direction with a wind speed of 10-15 kmph during morning hours. The wind speed will gradually decrease thereafter becoming 10-12 kmph from the southeast direction during the afternoon. It will increase becoming less than 20 kmph from the southeast direction during evening and night.

07.05.2025: Partly cloudy sky. Very Light rain/drizzle. Sustained surface winds (speed 15 – 25 kmph). The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C and 23 to 25°C respectively. The minimum temperature will be near normal and maximum temperature will be below normal upto 04 - 06°C. The predominant surface wind will likely be from the southeast direction with a wind speed of 15-20 kmph during morning hours. The wind speed will gradually decrease becoming 10-12 kmph from the south direction in the afternoon. It will decrease becoming less than 10 kmph from the south direction during evening and night.

08.05.2025: Partly cloudy sky. Very Light rain/drizzle. Sustained surface winds (speed 15 – 25 kmph). The maximum and minimum temperatures over Delhi are likely to be in the range of 35 to 37°C and 23 to 25°C respectively. The minimum temperature will be near normal and maximum temperature will be below normal upto 02 - 04°C. The predominant surface wind will likely be from the south direction with a wind speed less than 12 kmph during morning hours. The wind speed will gradually increase becoming 12-14 kmph from the southwest direction in the afternoon. It will increase becoming less than 16 kmph from the southwest 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/lightning/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 gusting to 70 kmph)** likely over Himachal Pradesh, Gujarat during 05th-08th; Uttarakhand, West Madhya Pradesh on 05th & 06th; Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana Chandigarh, Uttar Pradesh, Vidarbha, Chhattisgarh, Bihar on 05th; East Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema during 05th-07th May.
- ✓ **Isolated hailstorm** activity likely over Uttarakhand on 05th & 06th and over Himachal Pradesh, Punjab, Haryana Chandigarh, Uttar Pradesh, West Madhya Pradesh, Vidarbha, Chhattisgarh, Telangana on 05th; Madhya Maharashtra on 06th & 07th and over Marathwada on 07th; East Madhya Pradesh during 05th-07th 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

- In **Arunachal Pradesh, Assam & Meghalaya, Uttarakhand, Rajasthan, Gujarat, Tamil Nadu, Kerala and Andhra Pradesh**, make provision to drain out excess water from standing crop and vegetable fields.
- In **Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Vidarbha, Madhya Maharashtra and Telangana**, use hail nets and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms.
- 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.
- 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

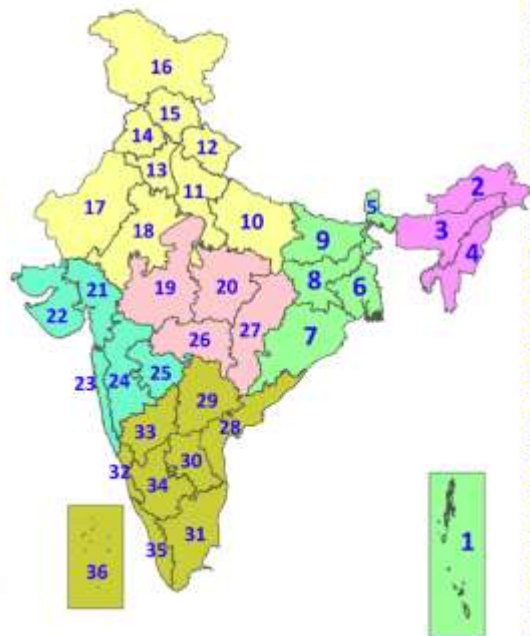
32. तटीय कर्नाटक

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.