



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



Press Release

Date: 06th May, 2025

Time of Issue: 1430 hours IST

Subject: i) A fresh spell of heat wave likely over East India from 08th May, 2025.

ii) Rainfall accompanied with thunderstorms, lightning, Hailstorms, squally/gusty winds likely to continue over Northwest & central India till 07th and decrease in intensity thereafter.

iii) Heavy Rainfall accompanied with thunderstorm, lightning & squally/gusty winds likely over Gujarat state and East Rajasthan during 06th-08th May & over Uttarakhand during 06th-07th May 2025.

iv) Heavy Rainfall accompanied with thunderstorm & lightning likely over northeast India during 06th to 11th 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 06th May 2025

(Annexure I):

- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 70-110 kmph prevailed at some places over Madhya Pradesh, Gujarat Region, Marathawada; with speed 31-70 kmph prevailed at isolated places over Odisha, Vidarbha, Jharkhand, Uttar Pradesh, Bihar, Madhya Maharashtra, Telangana, Himachal Pradesh, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, North Interior Karnataka, Sub-Himalayan West Bengal & Sikkim, Uttarakhand and Gangetic West Bengal.
- ❖ **Hailstorm** occurred at isolated places over Odisha, Madhya Pradesh, Vidarbha, Madhya Maharashtra, Marathawada.
- ❖ **Heavy rainfall** has been recorded at isolated places over Assam & Meghalaya and Bihar.

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 West Rajasthan in lower to upper tropospheric levels.
- ❖ An upper air cyclonic circulation lies over northeast Rajasthan and another over southwest Rajasthan in lower tropospheric levels.
- ❖ An east-west trough runs from southwest Rajasthan to north Bangladesh in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over south Telangana and neighbourhood in lower tropospheric levels.
- ❖ The north-south trough runs from south Telangana and neighbourhood to Gulf of Mannar across Rayalaseema, Tamil Nadu 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 06th-12th May.
- ✓ **Isolated hailstorm** very likely over Himachal Pradesh on 06th and Uttarakhand on 06th & 07th May.
- ✓ **Thundersquall (speed reaching 60-70 kmph gusting to 80 kmph)** very likely at isolated places over East Rajasthan on 06th; **wind speed reaching 50-60 kmph gusting to 70 kmph** over East Rajasthan on 07th May.
- ✓ **Isolated heavy rainfall** likely over Uttarakhand and East Rajasthan on 06th & 07th May.

West India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Konkan & Goa on 06th & 07th; Marathwada on 08th and Gujarat Region on 09th May.
- ✓ **Isolated hailstorm** activity very likely over Gujarat State on 06th; Madhya Maharashtra & Marathwada on 06th & 07th May.
- ✓ **Thundersquall wind speed reaching 60-70 kmph gusting to 80 kmph** likely over Gujarat State on 06th; **wind speed reaching 50-60 kmph gusting to 70 kmph** over Gujarat State on 07th & 08th; Madhya Maharashtra & Marathwada on 06th & 07th May.
- ✓ **Isolated heavy rainfall** likely over Gujarat state during 06th -08th May with **very heavy rainfall** over Gujarat State 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 West Madhya Pradesh on 08th & 09th; East Madhya Pradesh during 08th-10th; Gangetic West Bengal on 06th; Vidarbha & Chhattisgarh during 06th-10th; **with winds speed reaching 30-40 kmph gusting to 50 kmph** over Jharkhand on 06th; Sub-Himalayan West Bengal & Sikkim, Odisha on 06th & 07th; Bihar on 07th May.
- ✓ **Thundersquall wind speed reaching 60-70 kmph gusting to 80 kmph** very likely at isolated places over West Madhya Pradesh on 06th; **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** over West Madhya Pradesh on 07th; East Madhya Pradesh on 06th & 07th and Bihar on 06th May.
- ✓ **Isolated hailstorm** activity likely over Madhya Pradesh on 06th & 07th May.
- ✓ **Isolated heavy rainfall** likely over Nicobar, Sub-Himalayan West Bengal & Sikkim and Bihar on 06th 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 Tamilnadu, Puducherry & Karaikal on 06th & 07th; Kerala & Mahe, Coastal Andhra Pradesh & Yanam, South Interior Karnataka during 06th-10th; Rayalaseema & Telangana during 07th-10th May; with **thunderstorm & lightning** over Lakshadweep on 06th May.
- ✓ **Isolated hailstorm** very likely over Telangana on 06th May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph** likely over Rayalaseema & Telangana on 06th May.
- ✓ **Isolated heavy rainfall** over Coastal Andhra Pradesh & Yanam on 07th and Kerala & Mahe on 09th & 10th 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.
- ✓ **Thundersquall wind speed reaching 50-60 kmph** likely over Assam & Meghalaya on 07th May.
- ✓ **Isolated heavy rainfall** over Arunachal Pradesh on 07th, 10th & 11th; Assam & Meghalaya during 06th-11th May.

Temperature Forecast:

- ❖ No significant change in maximum temperatures likely over Northwest India during next 24 hours and gradual rise by about 3-5°C thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 3 days and rise by 2-3°C thereafter for subsequent 4 days.
- ❖ No significant change in maximum temperatures likely over East India during next 24 hours and rise by 3-5°C thereafter for subsequent 2 days.
- ❖ Gradual fall in maximum temperature by 3-5°C likely over Gujarat State during next 4-5 days.
- ❖ Gradual fall in maximum temperature by 2-4°C likely over Maharashtra during next 2 days and gradual rise by 2-3°C thereafter.
- ❖ 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 08th-12th; Bihar & Odisha during 09th-12th; Jharkhand during 10th-12th May.
- ❖ **Hot & humid weather** is likely to prevail over Odisha on 08th; Tamil Nadu, Puducherry & Karaikal during 06th-08th and Kerala & Mahe on 06th & 07th May.

iv. Weather conditions and forecast over Delhi/NCR during 06th May to 09th 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 Sub-Himalayan West Bengal & Sikkim, Bihar; at many places over Arunachal Pradesh, Assam & Meghalaya, Andaman & Nicobar Islands, West Madhya Pradesh, Gujarat Region; at a few places over East Madhya Pradesh, Vidarbha, Odisha, Jharkhand, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, East Rajasthan, Saurashtra & Kutch, Kerala & Mahe, Lakshadweep, Telangana; at isolated places over Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana, West Uttar Pradesh, West Rajasthan, Madhya Maharashtra, Marathawada, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Tamilnadu Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka.

Rainfall recorded (in cm):

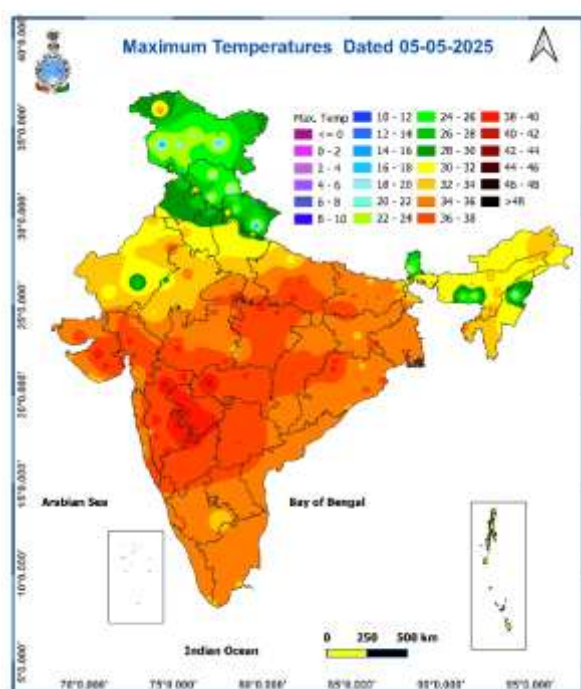
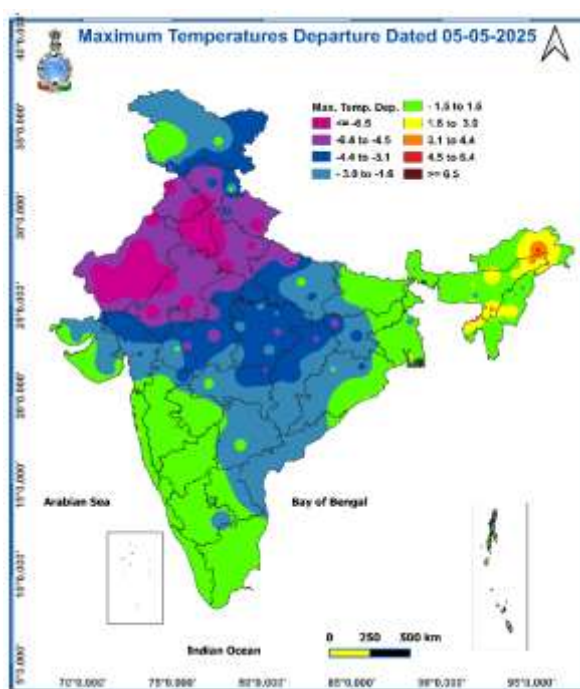
- ❖ **Bihar:** Ekangersarai (dist Nalanda) 10, Islampur (dist Nalanda) 8, Patna Aerodrome (dist Patna) 7, Phulwari Sharif (dist Patna) 6, Parbalpur (dist Nalanda) 6;
- ❖ **Assam & Meghalaya:** Williamnagar (dist East Garo Hills) 7, B P Ghat (dist Sribhumi) 5;
- ❖ **East Rajasthan:** Vallabh Nagar (dist Udaipur) 6, Deogarh (dist Rajsamand) 4, Railmagra Sr (dist Rajsamand) 4, Chittorgarh (dist Chittorgarh) 4

Realised Gusty Winds during past 24hours ending at 0300 UTC of today i.e 06.05.2025 (AWS Data, KT):

- ❖ **West Madhya Pradesh:** Harda (46 kt), Sehore (44 kt), Guna, Ashok Nagar (39 kt), Barwani 38;
- ❖ **Gujarat Region:** Ahmedabad (45 kt);
- ❖ **Marathawada:** Parbhani (42 kt), Jalna (35 kt), Beed (35 kt);
- ❖ **East Madhya Pradesh:** Sagar (42 kt), Mandala (32 kt);
- ❖ **Odisha:** Balasore (36 kt);
- ❖ **Vidarbha:** Gondia (36 kt)
- ❖ **Jharkhand:** Hazaribagh (36 kt), Simdega (34 kt);
- ❖ **East Uttar Pradesh:** Jalaun (34 kt), Prayagraj (26 kt);
- ❖ **Bihar:** Gopalganj, Siwan (34 kt);
- ❖ **Madhya Maharashtra:** Jalgaon (32 kt);
- ❖ **Telangana:** Rurdur (Nizamabad) (31 kt), Tandur (Vikarabad), Sidhapur (Warangal_Rural) (29 kt) each, ARS_Basanthpur (Medak) (26 kt);
- ❖ **Himachal Pradesh:** R-Peo (30 kt), Kurfi & Dhaula kuan (20 kt) each;
- ❖ **Chhattisgarh:** Dantewada (29 kt), Rajnandgaon (28 kt)
- ❖ **West Uttar Pradesh:** Agra IAF (28 kt), Jhansi (25 kt);
- ❖ **Arunachal Pradesh:** Lowertato (27 kt), Anini, Raga, kalaktang (20 kt) each, Longding (19 kt), Seppa, Namsai_KVK, Dirang (17 kt) each;
- ❖ **Assam & Meghalaya:** Gossaigaon_Amfu (25 Kt), Gauripur_Aegcl (25 Kt), Down_Town_University (23 kt), Habang_Circle (23kt), Dhekiajuli_Aegcl (17 kt), Umlapher (17 kt);
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Gokulpur (23 kt), A_D_Nagar (22 kt), Met_Agartala (21 kt), Sipahijala (18 kt), Gandachara (17 kt);
- ❖ **North Interior Karnataka:** Gadag (23 kt);
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Dinhata (22 kt), Ramshai (17 kt), Dhupguri, Jalpaiguri (16kt) each;
- ❖ **Uttarakhand:** Jollygrant (22 kt);
- ❖ **Gangetic West Bengal:** Purulia (17 kt), Durgapur (16 kt)

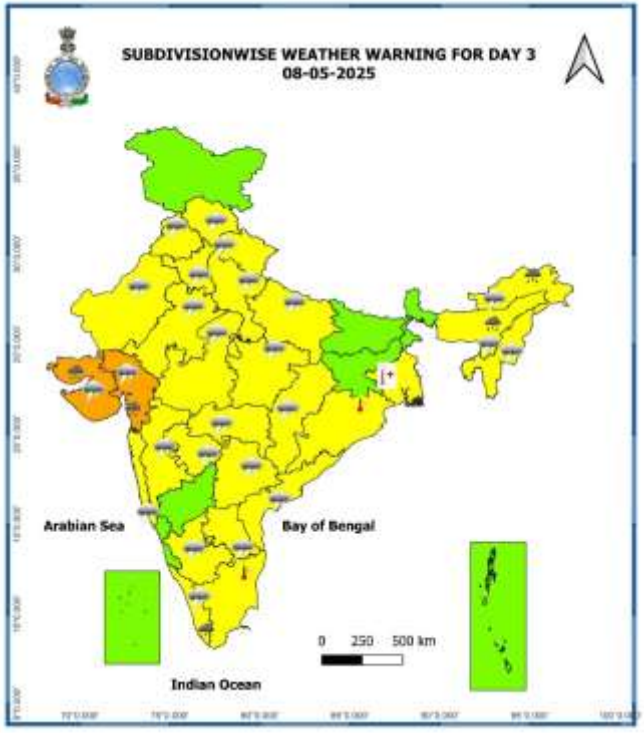
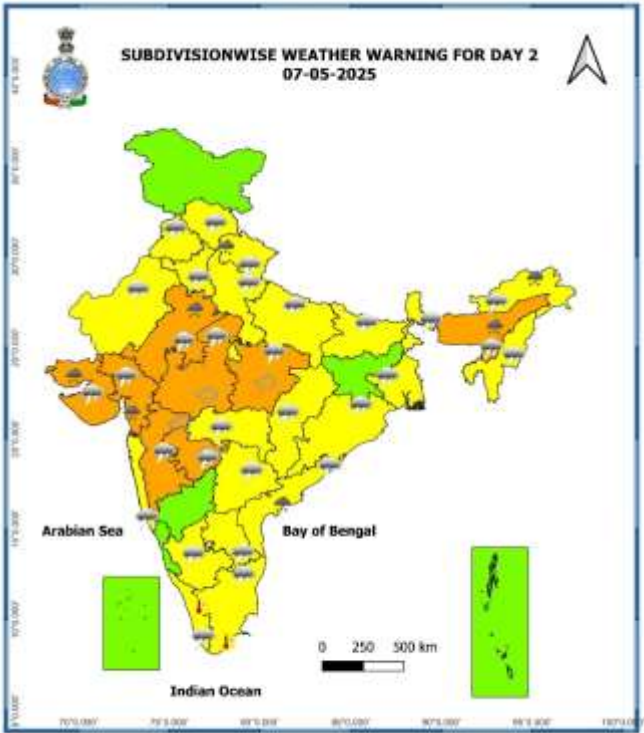
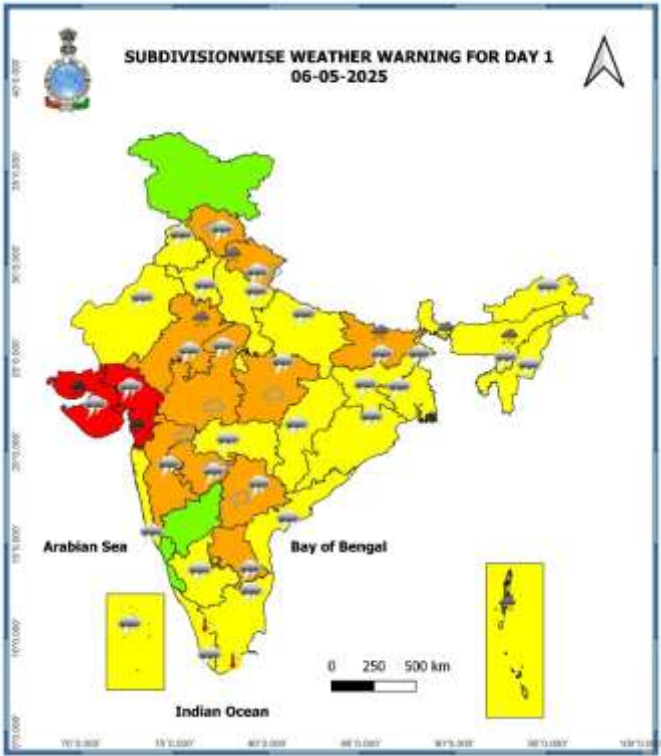
Temperature observations during past 24 hours till 0830 hours IST of today:

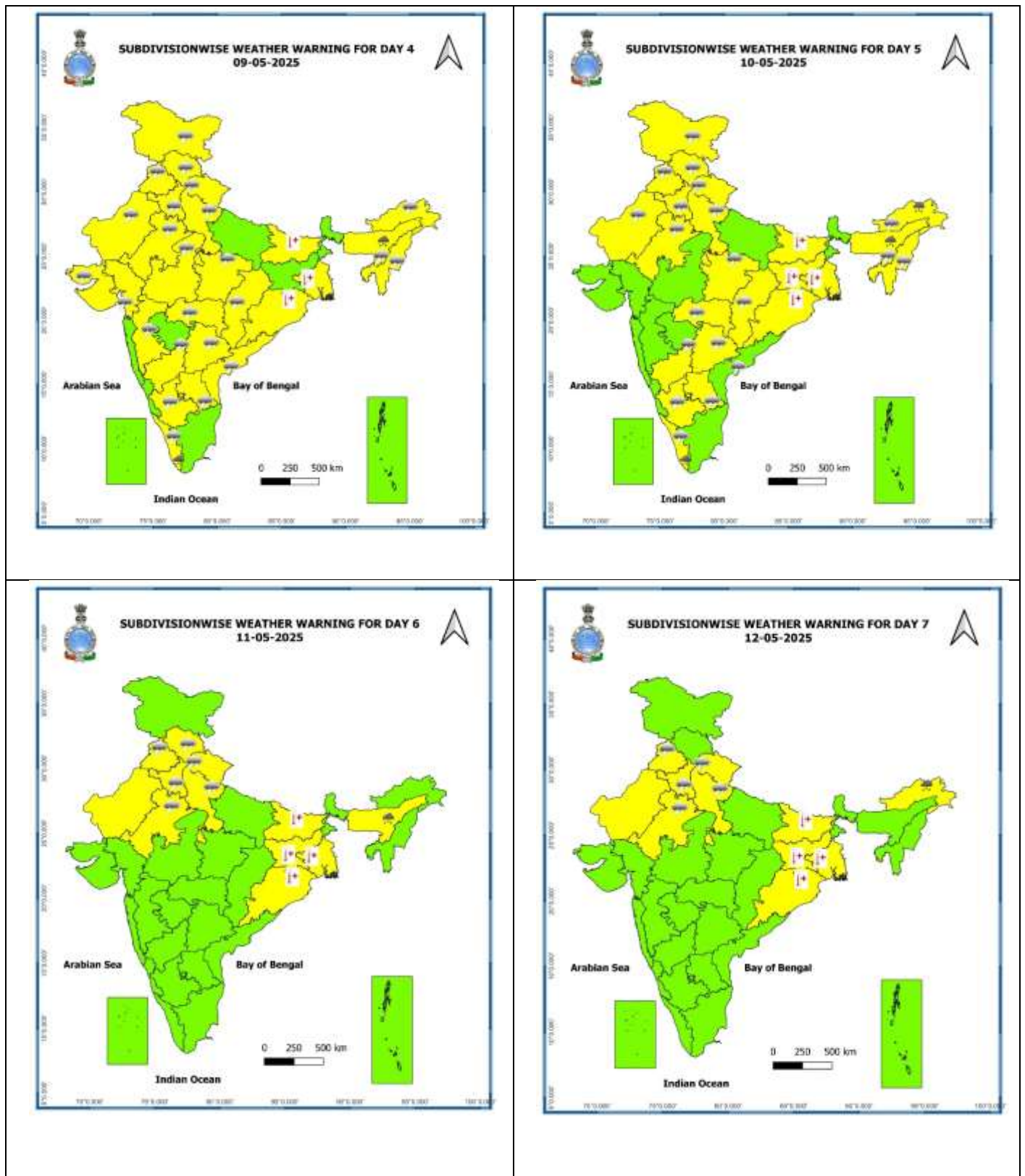
- ❖ Yesterday, Maximum Temperatures were in the range of 38-43°C at most places over Marathwada, Vidarbha, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal; at many places over Madhya Pradesh, Madhya Maharashtra, Telangana; at a few places over West Rajasthan, Punjab, East Uttar Pradesh, Saurashtra & 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 43.0°C was reported at **Narsinghpur (East Madhya Pradesh)** over the country.
- ❖ Yesterday, Maximum Temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Arunachal Pradesh; above normal (1.6°C to 3.0°C) at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura. These were markedly below normal (-5.1 or below) at many places over West Rajasthan, Haryana-Chandigarh-Delhi, West Uttar Pradesh; at a few places over Punjab, Himachal Pradesh, Uttarakhand, East Rajasthan; at isolated places over West Madhya Pradesh, East Uttar Pradesh; appreciably below normal (3.1°C to -5.0°C) at many places over East Madhya Pradesh; at a few places over Chhattisgarh, Gujarat Region; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Vidarbha; below normal (-1.6°C to -3.0°C) at many places over cap, Telangana; at a few places over Odisha; at isolated places over Bihar, Rayalaseema, South Interior Karnataka, Madhya Maharashtra, Saurashtra & Kutch 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	06-May	07-May	08-May	09-May	10-May	11-May	12-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	SCT	FWS	FWS	WS	WS
2	ARUNACHAL PRADESH	FWS	WS	FWS	SCT	FWS	WS	WS
3	ASSAM & MEGHALAYA	FWS	WS	FWS	FWS	WS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	FWS	FWS	SCT	SCT	SCT	SCT	SCT
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	WS	FWS	SCT	SCT	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	SCT	ISOL	DRY	DRY	DRY	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	SCT	ISOL	DRY	DRY	DRY	ISOL	ISOL
10	EAST UTTAR PRADESH	SCT	ISOL	ISOL	DRY	DRY	ISOL	ISOL
11	WEST UTTAR PRADESH	SCT	ISOL	ISOL	ISOL	ISOL	SCT	SCT
12	UTTARAKHAND	FWS	FWS	FWS	SCT	SCT	FWS	FWS
13	HARYANA CHANDIGARH & DELHI	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
14	PUNJAB	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
15	HIMACHAL PRADESH	FWS	FWS	FWS	FWS	SCT	SCT	SCT
16	JAMMU & KASHMIR AND LADAKH	ISOL	ISOL	ISOL	SCT	FWS	SCT	SCT
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION	WS	WS	WS	FWS	SCT	SCT	ISOL
22	SAURASHTRA & KUTCH	WS	WS	WS	FWS	SCT	SCT	ISOL
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH & YANAM	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	SCT	SCT	ISOL	ISOL	ISOL	SCT	SCT
30	RAYALASEEMA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	DRY	ISOL	ISOL	ISOL	SCT	SCT	SCT
33	NORTH INTERIOR KARNATAKA	DRY	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 06th to 09th May 2025

Past Weather:

There has been fall in minimum temperature upto 01°C and fall in maximum temperature upto 02 - 04°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi are in the range of 31 to 32°C and 21 to 23°C respectively. The minimum temperature was below normal upto 02 - 04°C and maximum temperature was below normal upto 06 - 09°C over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the southeast direction with wind speeds less than 20 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 15 kmph from the southeast direction prevailed over the region in the forenoon today.

Weather Forecast:

06.05.2025: Partly cloudy sky becoming generally cloudy sky towards evening. 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 34 to 36°C. The maximum temperature will be below normal upto 03 - 05°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 decrease becoming less than 10 kmph from the northeast direction during the night.

07.05.2025: Partly cloudy sky. Very Light rain. 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 03 - 05°C. The predominant surface wind will likely be from the southeast direction with a wind speed of 08-12 kmph during morning hours. The wind speed will gradually increase thereafter becoming 10-15 kmph from the southeast direction during the afternoon. It will decrease becoming less than 10 kmph from the south direction during evening and night.

08.05.2025: Partly cloudy sky becoming generally cloudy sky towards evening. Very light to 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 34 to 36°C and 24 to 26°C respectively. The minimum temperature will be above normal upto 01 - 03°C and maximum temperature will be below normal upto 03 - 05°C. The predominant surface wind will likely be from the southeast direction with a wind speed of 08-12 kmph during morning hours. The wind speed will gradually increase becoming 10-15 kmph from the southeast direction in the afternoon. It will decrease becoming less than 12 kmph from the southeast direction during evening and night.

09.05.2025: Partly cloudy sky. Very Light rain. 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 25 to 27°C respectively. The minimum temperature will be above normal upto 02 - 04°C 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 less than 10 kmph during morning hours. The wind speed will gradually increase becoming 12-14 kmph from the southwest direction in the afternoon. It will decrease becoming less than 12 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 60-70 kmph gusting to 80 kmph)** over East Rajasthan, Gujarat State, West Madhya Pradesh on 06th May; **wind speed reaching 50-60 kmph gusting to 70 kmph** over East Rajasthan on 07th; Gujarat State on 07th & 08th; Madhya Maharashtra & Marathwada on 06th & 07th; West Madhya Pradesh & Assam & Meghalaya on 07th; East Madhya Pradesh on 06th & 07th; Bihar, Rayalaseema & Telangana on 06th May.
- ✓ **Isolated hailstorm** activity over Himachal Pradesh, Telangana & Gujarat State on 06th and Uttarakhand, Madhya Maharashtra & Marathwada, Madhya Pradesh on 06th & 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.

Impact & Action Suggested due to heavy to very heavy rainfall over Gujarat State on 06th May.

Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ❖ Minor damage to kutcha roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure.

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

- In **Arunachal Pradesh, Assam & Meghalaya, Nicobar Island, Sub Himalayan West Bengal & Sikkim, Bihar, Uttarakhand, East Rajasthan and Gujarat** make provision to drain out excess water from standing crop and vegetable fields.
- In **Himachal Pradesh, Uttarakhand, Madhya Pradesh, Madhya Maharashtra, Marathwada and Gujrat**, 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.
- 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.
- 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

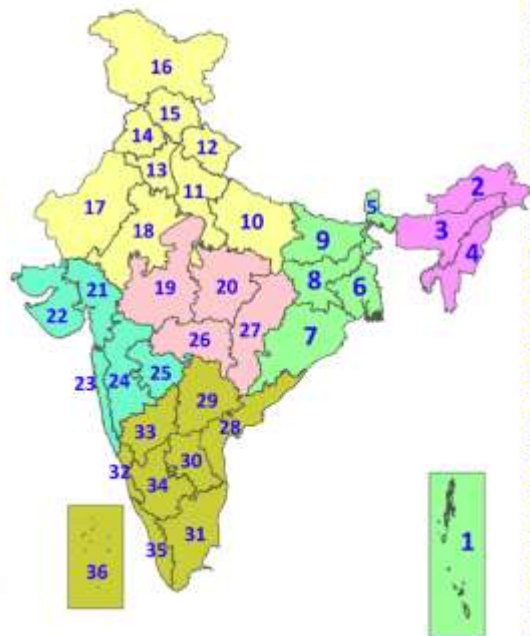
32. तटीय कर्नाटक

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.