



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



**Press Release**

**Date: 12<sup>th</sup> May, 2025**

**Time of Issue: 1420 hours IST**

**Subject: i) Heat wave conditions likely to continue over some areas of West Bengal till 15<sup>th</sup> May and likely to commence over Jharkhand from 13<sup>th</sup> May, over Uttar Pradesh from 14<sup>th</sup> and over West Rajasthan from 15<sup>th</sup> May 2025.**

**ii) Widespread light to moderate rainfall with heavy to very heavy rainfall likely over Nicobar Islands on 12<sup>th</sup> & 13<sup>th</sup> May.**

**iii) Rainfall accompanied with thunderstorms and lightning likely to continue over West, Central & South Peninsular India during next 5 days.**

**iv) Heavy to very heavy rainfall accompanied with thunderstorms & lightning likely over Northeast India during next 5 days.**

**Advance of Southwest Monsoon:**

- ❖ The fairly widespread rainfall with isolated heavy rainfall recorded over the Nicobar Islands during past 24 hours. Rainfall activity over Nicobar Islands is very likely to increase becoming widespread rainfall with isolated heavy to very heavy rainfall during next 24 hours. With expected continuance of rainfall activity over these areas, conditions are favourable for advance of southwest monsoon into some parts of Andaman Sea, South Bay of Bengal and Andaman & Nicobar Islands by tomorrow, the 13<sup>th</sup> May, 2025.
- ❖ Conditions are also becoming favourable for further advance over some parts of south Arabian Sea, Maldives & Comorin area; some more parts of South Bay of Bengal, entire Andaman & Nicobar Islands and Andaman Sea; and some parts of central Bay of Bengal during subsequent 4-5 days.

**Realised weather during past 24 hours till 0830 hours IST of today, the 12<sup>th</sup> May 2025 (Annexure I):**

- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 60-70 kmph prevailed at isolated places over Jammu-Kashmir, Haryana Chandigarh, Marathawada, Meghalaya, Telangana; with speed 30-60 kmph prevailed at isolated places over Uttar Pradesh, Madhya Pradesh, Punjab, Delhi, Rajasthan, Gujarat, Chhattisgarh, Himachal Pradesh, Tripura, Mizoram, Manipur, Nagaland, Tamilnadu Puducherry & Karaikal.
- ❖ **Heavy rainfall** has been recorded at isolated places over West Madhya Pradesh, Saurashtra & Kutch, Assam & Meghalaya, Tripura, Nicobar Islands and Sub-Himalayan West Bengal.
- ❖ **Hailstorm** reported at isolated places over Jammu-Kashmir, Uttarakhand, East Uttar Pradesh, Madhya Pradesh and Meghalaya.

**For more details of realised weather, kindly refer [Annexure I](#)**

**Temperature:**

- ❖ Yesterday, Maximum Temperatures were in the **range of 39-43°C** over many parts of East Uttar Pradesh, Bihar, Gangetic West Bengal, Vidarbha, Telangana adjoining North Interior Karnataka; some areas of Rajasthan, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamilnadu Puducherry & Karaikal; at isolated places over Haryana Chandigarh & Delhi, Punjab, Jharkhand, Odisha, Chhattisgarh, Marathawada and Madhya Maharashtra. Maximum Temperatures were also appreciably above normal over some areas of Bihar, Gangetic West Bengal, Jharkhand, Odisha and East Uttar Pradesh and below normal over some parts of Rajasthan, East Madhya Pradesh, Vidarbha, Telangana adjoining North Interior Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema; at isolated places over Haryana Chandigarh & Delhi, Punjab, Marathawada, Madhya Maharashtra. Detailed observations of Maximum Temperature 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 Punjab in lower levels with trough aloft trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 71°E to the north of Lat. 30°N.
- ❖ An upper air **cyclonic circulation** lies over northwest Uttar Pradesh and another over West Rajasthan & neighbourhood in lower tropospheric levels.
- ❖ A **trough** runs from central parts of Bihar to south Jharkhand in lower tropospheric levels.
- ❖ A **trough** runs from Saurashtra to eastcentral Arabian Sea across North East Arabian Sea in lower tropospheric levels.
- ❖ The upper air **cyclonic circulation** over Northeast Assam & neighbourhood in lower & middle tropospheric levels.
- ❖ Under the influence of these systems, the following weather is likely:

**Northwest India:**

- ✓ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 12<sup>th</sup>; Punjab, Haryana Chandigarh & Delhi, East Rajasthan on 12<sup>th</sup> & 13<sup>th</sup>; Himachal Pradesh during 16<sup>th</sup>-17<sup>th</sup>; **with winds speed reaching 30-40 kmph gusting to 50 kmph** over Himachal Pradesh on 12<sup>th</sup>; Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 14<sup>th</sup> May.

**West India:**

- ✓ **Isolated** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Gujarat State on 12<sup>th</sup>; Konkan & Goa on 13<sup>th</sup> & 14<sup>th</sup>; Madhya Maharashtra, Marathawada during 14<sup>th</sup>-16<sup>th</sup>; **with winds speed reaching 30-40 kmph gusting to 50 kmph** over Konkan & Goa on 12<sup>th</sup>; Gujarat State on 13<sup>th</sup> May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Madhya Maharashtra, Marathawada on 12<sup>th</sup> & 13<sup>th</sup> May.

**East & Central India:**

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Chhattisgarh on 12<sup>th</sup> & 13<sup>th</sup>; Madhya Pradesh during 12<sup>th</sup>-16<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim during 13<sup>th</sup>-15<sup>th</sup>; Gangetic West Bengal during 12<sup>th</sup>-14<sup>th</sup>; Odisha on 12<sup>th</sup>; Jharkhand on 16<sup>th</sup>; **with winds speed reaching 30-40 kmph gusting to 50 kmph** over Vidarbha on 12<sup>th</sup> & 13<sup>th</sup>; Andaman & Nicobar Islands during 12<sup>th</sup>-15<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 16<sup>th</sup>; Bihar during 12<sup>th</sup>-16<sup>th</sup>; Jharkhand on 12<sup>th</sup> & 15<sup>th</sup>; Odisha on 13<sup>th</sup> & 14<sup>th</sup> May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Sub-Himalayan West Bengal & Sikkim on 12<sup>th</sup>; Gangetic West Bengal on 15<sup>th</sup> & 16<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** likely over Nicobar Islands, Sub-Himalayan West Bengal & Sikkim during 12<sup>th</sup>-16<sup>th</sup>; with **isolated very heavy rainfall** on Nicobar Islands on 12<sup>th</sup> & 13<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim on 12<sup>th</sup> May.
- ✓ **Isolated hailstorm** at isolated places over East Madhya Pradesh on 12<sup>th</sup> May.

**South peninsular India:**

- ✓ **Scattered to fairly** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** over Kerala & Mahe, Interior Karnataka during 12<sup>th</sup>-14<sup>th</sup>; Tamil Nadu Puducherry & Karaikal, Rayalaseema during 14<sup>th</sup>-16<sup>th</sup>; Telangana on 13<sup>th</sup> & 16<sup>th</sup>; Coastal Andhra Pradesh & Yanam on 16<sup>th</sup>; **with winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Tamilnadu Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema on 12<sup>th</sup> & 13<sup>th</sup>; Telangana on 12<sup>th</sup>; Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup>; with **lightning** over Lakshadweep on 12<sup>th</sup> & 13<sup>th</sup> and over Coastal Karnataka during 12<sup>th</sup>-16<sup>th</sup> May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Coastal Andhra Pradesh & Yanam and Telangana on 14<sup>th</sup> & 15<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** likely over Tamilnadu Puducherry & Karaikal on 12<sup>th</sup> & during 14<sup>th</sup>-16<sup>th</sup>; Kerala & Mahe during 12<sup>th</sup>-14<sup>th</sup>; Coastal Andhra Pradesh & Yanam on 14<sup>th</sup> & 15<sup>th</sup>; Rayalaseema during 13<sup>th</sup>-16<sup>th</sup>; Coastal Karnataka on 14<sup>th</sup>; North Interior Karnataka on 13<sup>th</sup> & 14<sup>th</sup> and South Interior Karnataka during 12<sup>th</sup>-16<sup>th</sup> May.

#### Northeast 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 Northeast India during next 5 days with **gusty winds speed reaching 50-60 kmph gusting to 70 kmph** likely over Assam & Meghalaya on 13<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya during 12<sup>th</sup>-16<sup>th</sup> and over Nagaland, Manipur, Mizoram & Tripura during 12<sup>th</sup>-15<sup>th</sup> with isolated **very heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya on 13<sup>th</sup>-14<sup>th</sup> and over Tripura on 12<sup>th</sup> & 13<sup>th</sup> May.
- ✓ **Extremely heavy rainfall** at isolated places over Meghalaya on 13<sup>th</sup> May.

#### Maximum Temperature Forecast:

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

#### Heat wave and Hot & Humid weather warning:

- ❖ **Heat wave conditions** very likely in isolated pockets of Gangetic West Bengal during 12<sup>th</sup>-15<sup>th</sup>; Sub-Himalayan West Bengal on 14<sup>th</sup> & 15<sup>th</sup>; Jharkhand during 13<sup>th</sup>-15<sup>th</sup>; West Uttar Pradesh & West Rajasthan during 15<sup>th</sup>-18<sup>th</sup>; East Uttar Pradesh during 14<sup>th</sup>-18<sup>th</sup> May.
- ❖ **Hot & humid weather** is likely to prevail over Sub-Himalayan West Bengal on 12<sup>th</sup> & 13<sup>th</sup>; Jharkhand on 12<sup>th</sup> and Tamil Nadu Puducherry & Karaikal on 12<sup>th</sup> & 13<sup>th</sup>; Odisha during 12<sup>th</sup>-15<sup>th</sup>; Bihar during 12<sup>th</sup>-16<sup>th</sup> May.
- ❖ **Warm Night conditions** likely to prevail at isolated locations over East Uttar Pradesh on 12<sup>th</sup> & 13<sup>th</sup> May.

#### iv. Weather conditions and forecast over Delhi/NCR during 12<sup>th</sup> May to 15<sup>th</sup> May, 2025 (Annexure V)

For more details, kindly refer National Weather Bulletin:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](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 Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura and Sub Himalayan West Bengal & Sikkim; **at many places** over Assam & Meghalaya, Jammu-Kashmir Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe and Lakshadweep; **a few places** over Arunachal Pradesh, Uttarakhand, Punjab, Himachal Pradesh, East Rajasthan and Vidarbha; **at isolated places** over Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, North Interior Karnataka and South Interior Karnataka.

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

- ❖ **Tripura:** Khowai (dist Khowai) 10, Khowai\_ Aws (dist Khowai) 8, Ashapara Aws (dist North Tripura) 5, Mamit Agri (dist Mamit) 5, Budhjongnagar Arg (dist West Tripura) 5, Kolasib Agri (dist Kolasib) 4, Gandechehra (dist Dhalai) 4, Jirania Arg (dist West Tripura) 4, Arundhutinagar (dist West Tripura) 4, Kamalpur (dist Dhalai) 4, Lunglei (dist Lunglei) 3, Jharnapani (dist Dimapur) 3, Agartala Aero (dist West Tripura) 3, Dharmanagar/ Panisagar (dist North Tripura) 3, Lawngtlai Agri (dist Lawngtlai) 3;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Ghughumari (dist Cooch Behar) 8, Mathabhanga (dist Cooch Behar) 7, Tadong (dist Gangtok) 6, Kailashpur Tea Estate (dist Jalpaiguri) 4, Gangtok (dist Gangtok) 4, Mekhliganj (dist Cooch Behar) 3, Oodlabari Tea Estate (dist Jalpaiguri) 3, Mangan (dist Mangan) 3, Zurrantee T.e (dist Jalpaiguri) 3, Anandpur Tea Estate (dist Jalpaiguri) 3, Cooch Behar (dist Cooch Behar) 3, Diana Tea Estate (dist Jalpaiguri) 3, Sevoke (dist Darjeeling) 3, Singimari (dist Cooch Behar) 3;
- ❖ **Assam & Meghalaya:** Williamnagar (dist East Garo Hills) 7, Barpathar (dist Golaghat) 7, Williamnagar\_ Aws (dist East Garo Hills) 7, Hatsingimari Arg (dist South Salmara) 7, Mawkyrwat (dist South West Khasi Hills) 6, Mawsynram (dist East Khasi Hills) 5, Dhubri\_ Cwc (dist Dhubri) 5, Dhubri\_imd (dist Dhubri) 4, Gossaigaon\_ Aws (dist Kokrajhar) 4, Shillong C.s.o. (dist East Khasi Hills) 4, Jowai (dist West Jaintia Hills) 3, Nongstein (dist West Khasi Hills) 3, Cherrapunji(rkm) (dist East Khasi Hills) 3, Ampati (dist South West Garo Hills) 3;
- ❖ **Nicobar Islands:** Car Nicobar (dist Nicobar) 7, Iaf Carnicobar (dist Nicobar) 6, Nancowry (dist Nicobar) 3;
- ❖ **West Madhya Pradesh:** Sitamau (dist Mandsaur) 7, Khargone-aws (dist Khargone) 3;
- ❖ **Saurashtra & Kutch:** Kalyanpur (dist Devbhoomi Dwarka) 7; Jamjodhpur (dist Jamnagar), Malia Miana (dist Morbi) 4 Each; Manavadar (dist Junagadh), Lalpur (dist Jamnagar), Dhari (dist Amreli) 3 Each;
- ❖ **East Rajasthan:** Nathdwara (dist Rajsamand) 5, Gogunda Sr (dist Udaipur) 3;
- ❖ **Gangetic West Bengal:** Kalaikunda (Iaf) (dist West Midnapore) 4, Amfu Kharagpur (dist West Midnapore) 3;
- ❖ **Telangana:** Tamsi (dist Adilabad) 4;
- ❖ **Kerala:** Kozhikode (dist Kozhikode) 3;
- ❖ **Tamilnadu:** ACS Medical College ARG (dist Kancheepuram), Poonamalle ARG (dist Tiruvallur), Oddanchatram (dist Dindigul), Poonamallee (dist Tiruvallur) 3 each;
- ❖ **North Interior Karnataka:** Hidkal Dam (dist Belagavi) 3, Nippani (dist Belagavi) 3, Bidar (dist Bidar) 3, Bidar Pto (dist Bidar) 3;
- ❖ **South Interior Karnataka:** Bengaluru Kial Obsy (dist Bengaluru Urban) 3;
- ❖ **Madhya Maharashtra:** Kokrud (dist Sangli) 3;

**Realised Gusty Winds (KMPH) during past 24hours ending at 0300 UTC of today i.e. 12.05.2025;**

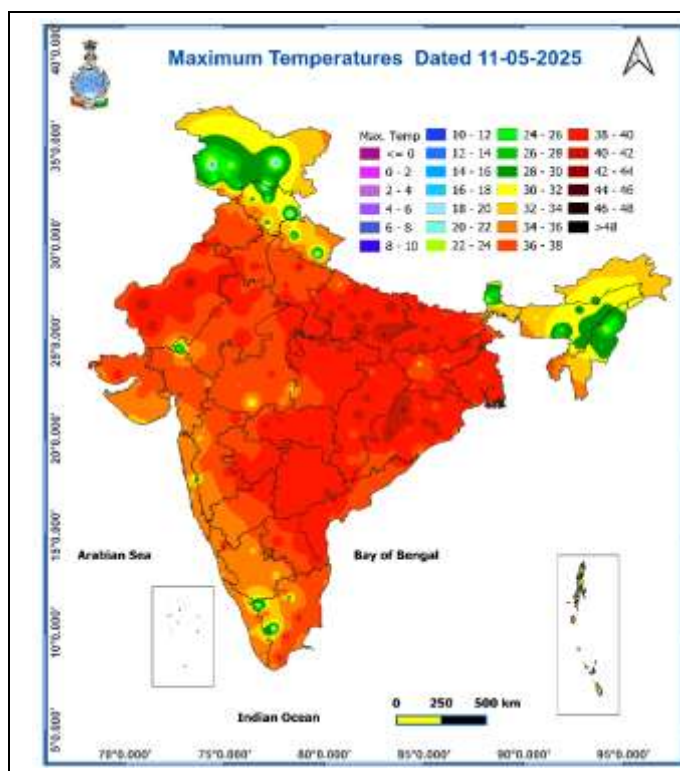
- ❖ **Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad:** Chatha - 63 Jammu- 48 Shopian 43 Samba- 41;
- ❖ **Uttar Pradesh:** Ayodhya- 59 Fursatganj - 59 Hamirpur - 56 Mirzapur - 54 Varanasi - 46 Chandauli - 46 Dagmapur - 43 Prayagraj - 41;
- ❖ **Madhya Pradesh:** Ashoknagar -57 Guna - 56 Agar - 56 Sehore - 56 Singrauli - 46 Shajapur - 43 Sagar - 41;
- ❖ **Punjab:** Fazilka - 61 Hoshiarpur - 59 Rupnagar - 57 Patiala - 54 Sangrur - 52 Jalandhar - 50 Moga - 50 Pathankot - 48 Moga - 46 Sangrur - 43 Mohali - 41;
- ❖ **Haryana, Chandigarh & Delhi:** Jind- 72 Kaithal - 70 Sirsa - 65 Bhiwani -61 Rohtak - 54 Karnal - 48 Sonipat - 44
- ❖ **Delhi:** Safdarjung -55, Jafarpur - 48, IGNOU- 48 East\_Delhi - 44
- ❖ **Rajasthan:** Hanumangarh - 59 Baran - 54 Sirohi - 52 Nagaur - 50 Udaipur - 46
- ❖ **Gujarat:** Bhuj - 57 Amreli - 50 Rajkot -46 Bachau - 41
- ❖ **Maharashtra:** Osmanabad - 68 Latur - 59 Nandurbar -59 Nashik - 52 Pune - 50 Jalgaon - 46 Beed - 46 Jalna - 43 Raigad - 43 Satara - 41 Kolhapur - 41
- ❖ **Chhattisgarh:** Bilaspur - 48 Surajpur - 44
- ❖ **Himachal Pradesh:** Kinnaur - 57 Kullu - 52
- ❖ **Meghalaya:** Mawsynram - 67 Shillong - 61 Mawkyrwat - 46 Tura 41
- ❖ **Tripura:** West\_Tripura - 56 South\_Tripura - 56 Agartala - 48 Bagafa - 43
- ❖ **Mizoram:** Aizawl - 44 Khawzawl - 39
- ❖ **Manipur:** Ukhrul - 59 Imphal - 44 Tengnoupal - 43 Kangpokpi - 43
- ❖ **Nagaland:** Tuensang -54 Kiphire - 46 Wokha- 39
- ❖ **Telangana:** Nizamabad - 65 Vikarabad - 44 Medak - 43
- ❖ **Tamilnadu:** Dindigul -57 Chennai - 54



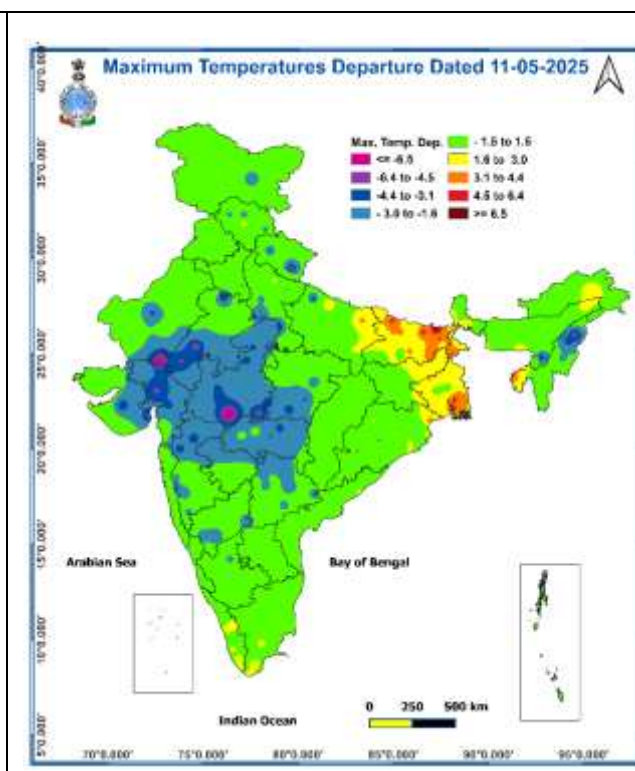
### Temperature observations during past 24 hours till 0830 hours IST of today:

- ❖ Yesterday, **Maximum Temperatures** were in the range of **39-43°C** in many pockets over East Uttar Pradesh, Rajasthan, Bihar, Gangetic West Bengal, Vidarbha, Rayalaseema; at a few pockets over East Madhya Pradesh, Jharkhand, Odisha, Telangana, North Interior Karnataka, Coastal Andhra Pradesh & Yanam; at isolated places over Haryana, West Uttar Pradesh, Chhattisgarh, Madhya Maharashtra, Marathwada, Tamil Nadu, Puducherry & Karaikal; in the range **35-39°C** in many pockets over Delhi, West Madhya Pradesh; at a few pockets over Punjab, Gujarat state, Kerala & Mahe and they were **less than 34°C** elsewhere over remaining parts of the country. Yesterday, the highest maximum temperature of **43.2°C** was reported at Sambalpur (Odisha) over the country. **(Fig. 1).**
- ❖ **Maximum Temperatures** were appreciably above normal (3.1°C to 5.0°C) at isolated places over Bihar, East Uttar Pradesh, Gangetic West Bengal, costal Odisha; above normal (1.6°C to 3.0°C) at many places over Kerala & Mahe; at a few places over Tamil Nadu, Puducherry & Karaikal; at isolated places over Jharkhand, Assam & Meghalaya, Arunachal Pradesh and Tripura. These were markedly below normal (-5.1 or below) at isolated places West Madhya Pradesh, East Rajasthan; appreciably below normal (-3.1°C to -5.0°C) at isolated places over Andaman & Nicobar Islands, East Madhya Pradesh, Vidarbha, Madhya Maharashtra, Gujarat state, Uttarakhand; below normal (-1.6°C to -3.0°C) at most places over Telangana; at many places over North Interior Karnataka; at few places over Himachal Pradesh; at isolated places over West Uttar Pradesh, Rayalaseema, Marathwada Haryana-Chandigarh-Delhi and normal over rest parts of the country. **(Fig. 2).**

**Fig. 1: Maximum Temperatures**

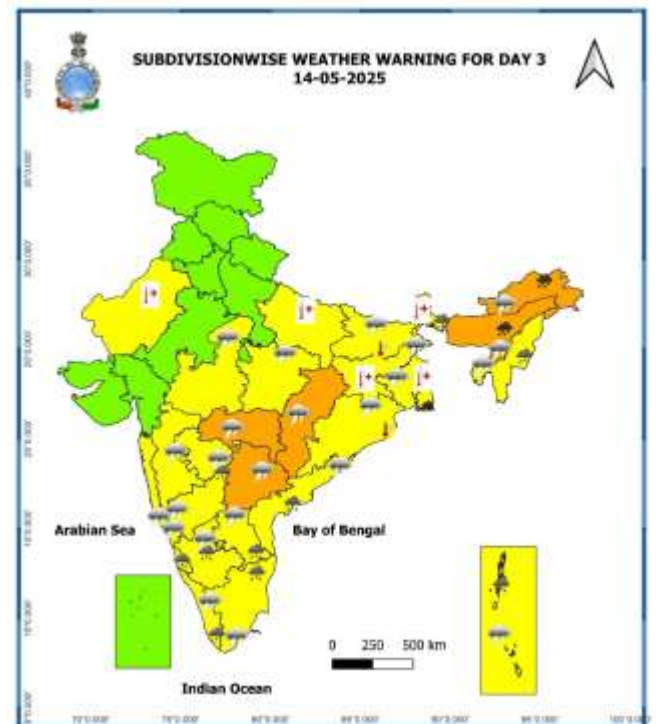
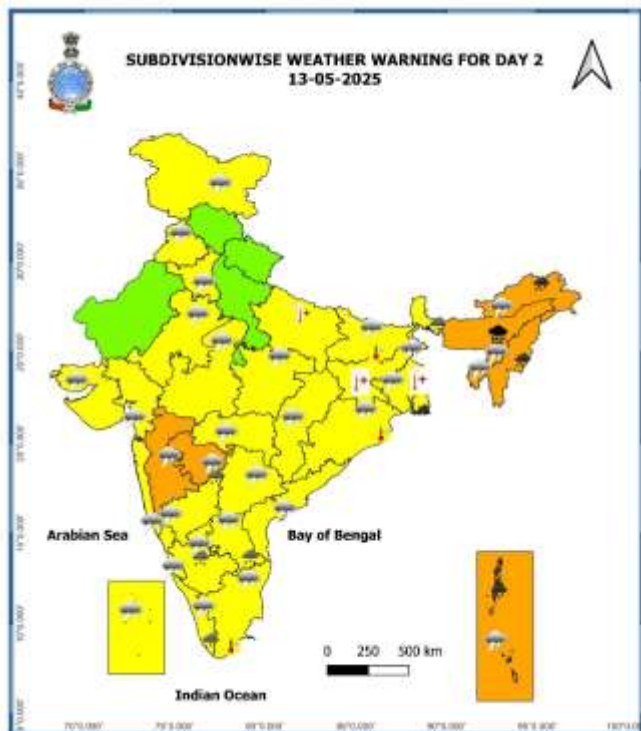
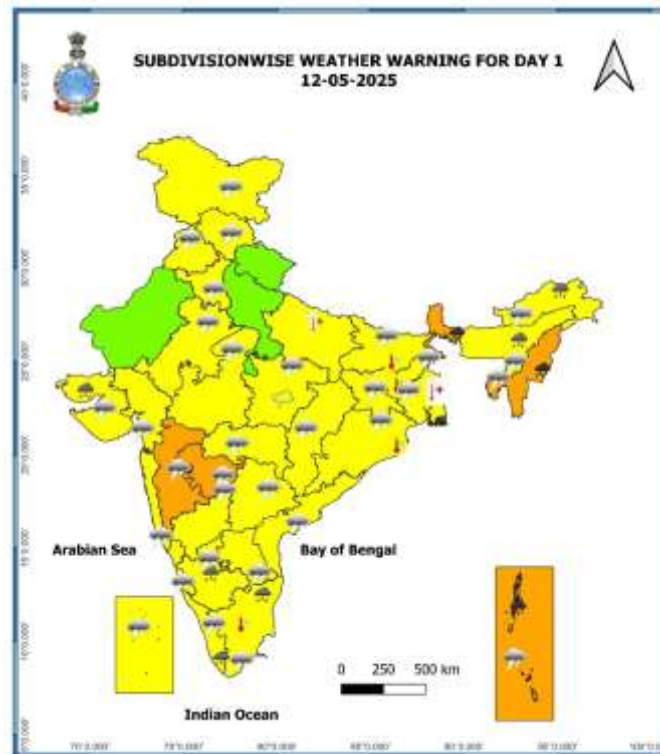


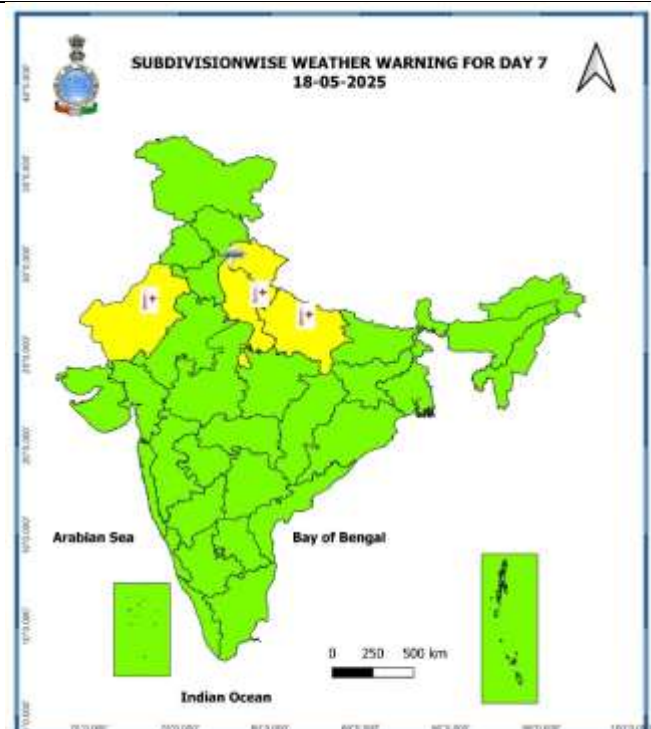
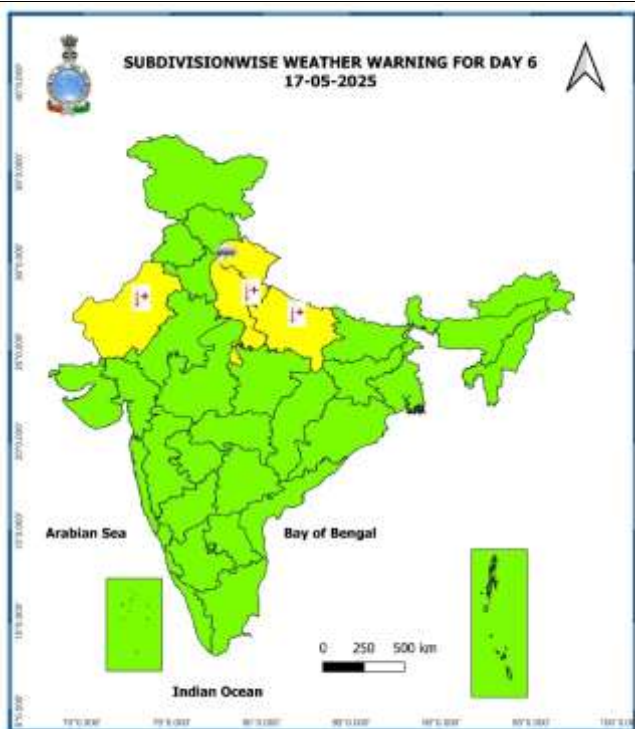
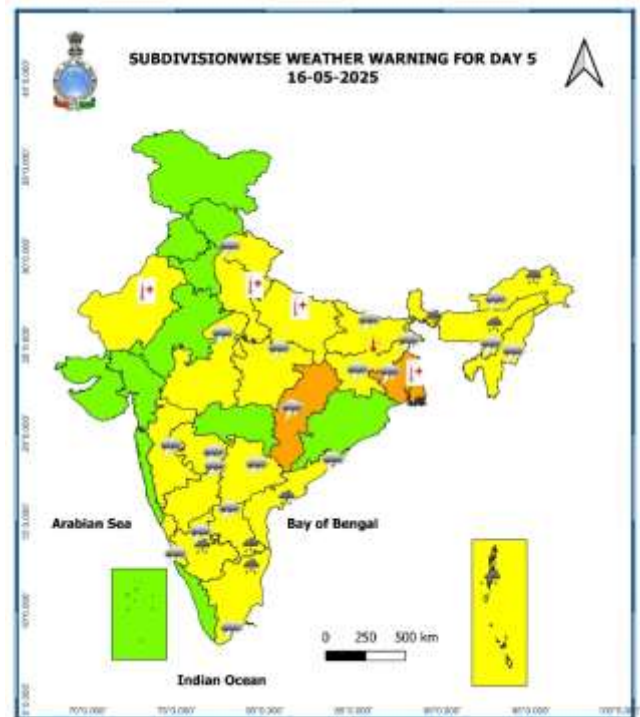
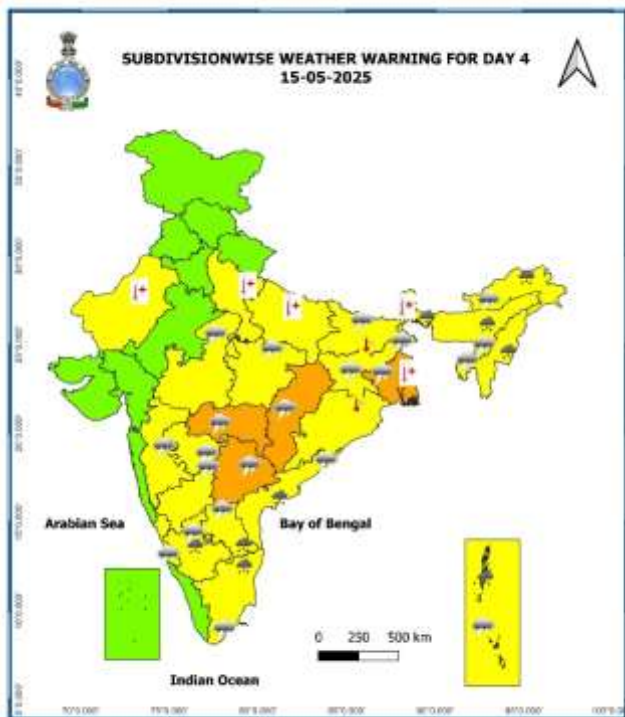
**Fig. 2: Departure of Maximum Temperatures**



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

- As the lead period increases forecast accuracy decreases.





- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

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



## **Weather forecast over Delhi/NCR during 12<sup>th</sup> to 15<sup>th</sup> May 2025**

### **Past Weather:**

There has been rise in minimum temperature up to 01°C and rise in maximum temperature up to 02°C 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 23 to 24°C respectively. The minimum temperature was below normal up to 01 - 02°C and the maximum temperature was below normal up to 01 - 02°C over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the northwest direction with wind speeds less than 16 kmph gusting to 45 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 10 kmph from the northwest direction prevailed over the region in the forenoon today.

### **Weather Forecast:**

**12.05.2025:** Partly cloudy sky. Sustained surface winds (speed 15 – 25 kmph) occasionally gusting to 35 kmph. The maximum temperatures over Delhi are likely to be in the range of 38 to 40°C. The maximum temperature will be near normal. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 20 kmph till evening. It would decrease becoming less than 16 kmph from the west direction during the night.

**13.05.2025:** Mainly clear sky becoming partly cloudy sky. Sustained surface winds (speed 20 – 30 kmph) occasionally gusting to 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 39 to 41°C and 25 to 27°C respectively. The minimum temperature will be above normal up to 01 - 02 °C, and the maximum temperature will be above normal up to 01 - 02 °C. The predominant surface wind will likely be from the northwest direction with a wind speed of 15-20 kmph during morning hours. The wind speed will gradually increase becoming 20-25 kmph from the northwest direction in the afternoon. It will decrease becoming less than 16 kmph from the west direction during evening and night.

**14.05.2025:** Mainly clear sky becoming partly cloudy sky. Sustained surface winds (speed 20 – 30 kmph) occasionally gusting to 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 40 to 42°C and 26 to 28°C respectively. The minimum temperature will be above normal up to 01 - 03 °C and the maximum temperature will be above normal up to 01 - 03°C. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 20 kmph during the morning hours. The wind speed will gradually increase becoming 20-25 kmph from the northwest direction in the afternoon. It will decrease becoming less than 18 kmph from the northwest direction during evening and night.

**15.05.2025:** Mainly clear sky becoming partly cloudy sky. Sustained surface winds (speed 20 – 30 kmph) occasionally gusting to 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 40 to 42°C and 27 to 29°C respectively. The minimum temperature will be above normal up to 02 - 04 °C, and the maximum temperature will be below normal up to 01 - 03°C. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 20 kmph during the morning hours. The wind speed will gradually increase becoming 20-25 kmph from the southwest direction in the afternoon. It will decrease becoming less than 20 kmph from the west direction during evening and night.

### **Impact expected and Action Suggested:**

- Be cautious and take precautionary measures though there is no likelihood of heat wave conditions. There is likelihood of heat related impact to vulnerable population as the temperatures are likely to be above normal.
- Moderate health concern for vulnerable people e.g. infants, elderly people with chronic diseases.
- Avoid heat exposure, wear light weight, light colored, loose, cotton clothes, cover your head, use a cloth, hat or umbrella.

### **Impact & Action Suggested due to very heavy rainfall over**

- ✓ **Very heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya on 13<sup>th</sup>-14<sup>th</sup>; Nicobar Islands on 12<sup>th</sup> & 13<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim on 12<sup>th</sup>; Tripura on 12<sup>th</sup> & 13<sup>th</sup> May.
- ✓ **Extremely heavy rainfall** at isolated places over Meghalaya on 13<sup>th</sup> 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 kutchha roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

#### **Action Suggested**

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

### **Impact expected and action suggested due to isolated thunderstorm with lightning/gusty & Squally winds & Hailstorm over**

- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Madhya Maharashtra, Marathwada on 12<sup>th</sup> & 13<sup>th</sup> May; Sub-Himalayan West Bengal & Sikkim on 12<sup>th</sup>; Gangetic West Bengal on 15<sup>th</sup> & 16<sup>th</sup> May; Coastal Andhra Pradesh & Yanam and Telangana on 14<sup>th</sup> & 15<sup>th</sup> May, Assam & Meghalaya on 13<sup>th</sup> May.
- ✓ **Isolated hailstorm** at isolated places over East Madhya Pradesh on 12<sup>th</sup> 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 kutchha houses/walls and huts.
- Loose objects may fly.

#### **Action suggested:**

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

**Impact expected and action suggested due to Heat wave conditions over** in isolated pockets of Gangetic West Bengal during 12<sup>th</sup>-15<sup>th</sup>; Sub-Himalayan West Bengal on 14<sup>th</sup> & 15<sup>th</sup>; Jharkhand during 13<sup>th</sup>-15<sup>th</sup>; West Uttar Pradesh & West Rajasthan during 15<sup>th</sup>-18<sup>th</sup>; East Uttar Pradesh during 14<sup>th</sup>-18<sup>th</sup> May.

#### **Yellow alert Areas**

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

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

- In **North Eastern States, Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Saurashtra & Kutch, Tamil Nadu, Kerala, North Interior Karnataka, South Interior Karnataka and Rayalaseema**, make provision to drain out excess water from standing crop and vegetable fields.
- In **East Madhya Pradesh**, 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.
- 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.

#### **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.
- 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.

### 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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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  $3^{\circ}\text{C}$  above normal along with the above normal relative humidity.