



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



Press Release

Date: 13th May, 2025

Time of Issue: 1320 hours IST

Subject: i) Southwest monsoon has advanced into some parts of south Bay of Bengal, south Andaman Sea, Nicobar Islands and some parts of north Andaman Sea today.
ii) Rainfall accompanied with thunderstorms and lightning likely to continue over South Peninsular India & adjoining central India during next 5 days with isolated heavy rainfall over Andhra Pradesh, Karnataka, Kerala and Tamilnadu during next 3 days.
iii) Heavy to very heavy rainfall accompanied with thunderstorms & lightning likely over Northeast India during next 5 days.
iv) Heat wave conditions likely over Uttar Pradesh during 14th-19th; West Rajasthan during 15th-17th and over Gangetic West Bengal & Jharkhand during 14-15th may 2025.

Advance of Southwest Monsoon: (Annexure I):

- ❖ Widespread moderate rainfall with heavy rainfall at a few places occurred over the Nicobar Islands during past 24 hours. Thus, the widespread rainfall with isolated/scattered heavy rainfall continued over the Nicobar Islands during past 2 days. The strength and depth of westerly wind increased continuously during past 2 days over parts of south Bay of Bengal, Nicobar Islands and Andaman Sea. The westerly wind speed at 1.5 km above mean sea level is above 20 knots and the depth of westerly wind over some parts of south Bay, Nicobar Islands and some parts of Andaman Sea is upto 4.5 km above mean sea level. The Outgoing Longwave Radiation over the area continued to decrease becoming less than 200 W/m² during past 2 days (190 & 170 W/m² on 12th & 13th May, 2025).
- ❖ Considering all the above satisfied criteria, southwest Monsoon has advanced into some parts of south Bay of Bengal, south Andaman Sea, Nicobar Islands and some parts of north Andaman Sea today, the 13th May, 2025. The Northern Limit of Monsoon passes through 5°N/75°E, 5°N/80°E, 6°N/86°E, 8.5°N/90°E, Hut Bay, 13°N/95°E. and 16°N/98°E.
- ❖ Conditions are favorable for further advance of southwest Monsoon over some parts of south Arabian Sea, Maldives & Comorin area; some more parts of South Bay of Bengal, entire Andaman & Nicobar Islands, remaining parts of Andaman Sea; and some parts of central Bay of Bengal during next 3-4 days.

Realised weather during past 24 hours till 0830 hours IST of today, the 13th May 2025 (Annexure II):

- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 70-100 kmph prevailed at isolated places over Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Saurashtra & Kutch; with speed 40-70 kmph prevailed at isolated places over Uttarakhand, Haryana, East Uttar Pradesh, West Madhya Pradesh, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Northeast India, Marathawada, Tamilnadu Puducherry & Karaikal, Rayalaseema, Telangana, South Interior Karnataka.
- ❖ **Very heavy rainfall** has been recorded at isolated places over South Interior Karnataka, Sub-Himalayan West Bengal & Sikkim; **Heavy rainfall** at isolated places over Tamil Nadu, Rayalaseema, North Interior Karnataka, Arunachal Pradesh, Assam & Meghalaya, Andaman & Nicobar Islands, Bihar, Odisha, Madhya Maharashtra,
- ❖ **Dust storm** reported at isolated places over East Rajasthan (Sikar).

For more details of realised weather, kindly refer Annexure II, Detailed observations of Maximum Temperature during past 24 hours till 0830 hours IST of today are appended in Annexure III.

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

- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along Long. 73°E to the north of Lat. 32°N.
- ❖ The **trough** from Saurashtra to eastcentral Arabian Sea across North East Arabian Sea persists and now seen between in lower & middle tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over Uttarakhand and another over East Uttar Pradesh & adjoining Bihar in lower tropospheric levels.
- ❖ A **trough** runs from above cyclonic circulation over East Uttar Pradesh & adjoining Bihar to south Odisha in lower tropospheric levels.
- ❖ The upper air **cyclonic circulation** over Northeast Assam & neighbourhood extending upto 1.5 km above mean sea level persists.
- ❖ An upper air **cyclonic circulation** lies over Andaman Sea between in lower & middle tropospheric levels tilting southwestwards with height.
- ❖ A **trough** runs from west Vidarbha to north Kerala in lower tropospheric levels.
- ❖ Under the influence of these systems, the following weather is likely:

Northeast India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed 30-50 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 13th May.
- ✓ **Isolated heavy rainfall** over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura during 14th-17th with isolated **very heavy rainfall** over Arunachal Pradesh, on 13th-14th; Assam & Meghalaya during 13th-17th, Nagaland, Manipur, Mizoram & Tripura on 13th May.
- ✓ **Extremely heavy rainfall** at isolated places over Meghalaya on 13th & 14th May.

West India:

- ✓ **Isolated** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Konkan & Goa, Madhya Maharashtra, Marathawada during 13th-17th; Gujarat State on 13th & 14th May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Madhya Maharashtra, Marathawada on 13th & 14th May.
- ✓ **Isolated heavy rainfall** likely over Madhya Maharashtra on 13th May

South peninsular India:

- ✓ **Scattered to fairly** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** over Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Interior Karnataka, Tamilnadu Puducherry & Karaikal during 13th-17th and over Kerala & Mahe on 13th & 14th; with **lightning** over Lakshadweep on 13th and over Coastal Karnataka during 13th-17th May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Telangana during 13th-15th; Coastal Andhra Pradesh & Yanam on 13th & 14th; Interior Karnataka, Rayalaseema on 13th May.
- ✓ **Isolated heavy rainfall** likely over Tamilnadu Puducherry & Karaikal during 13th-16th; Coastal Karnataka on 13th & 14th; Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka during 13th -15th; Kerala & Mahe on 13th, 14th, 18th & 19th May.
- ✓ **Hailstorm** also likely at isolated places over Telangana on 14th & 15th May.

East & Central India:

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Madhya Pradesh, Vidarbha, Chhattisgarh, West Bengal & Sikkim, Bihar during 13th-17th; Jharkhand during 15th-17th; Odisha during 13th-15th May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Vidarbha, Chhattisgarh on 14th; Gangetic West Bengal, Bihar on 15th & 16th May.
- ✓ **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 14th-16th; Sub-Himalayan West Bengal & Sikkim during 14th-17th; with **isolated very heavy rainfall** on Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim on 13th May.

Northwest India:

- ✓ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 13th; East Rajasthan on 13th & 14th; Uttarakhand during 16th-19th May.
- ✓ **Duststorm** very likely at isolated places over West Rajasthan on 13th May.

Maximum Temperature Forecast:

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

Heat wave and Hot & Humid weather warning:

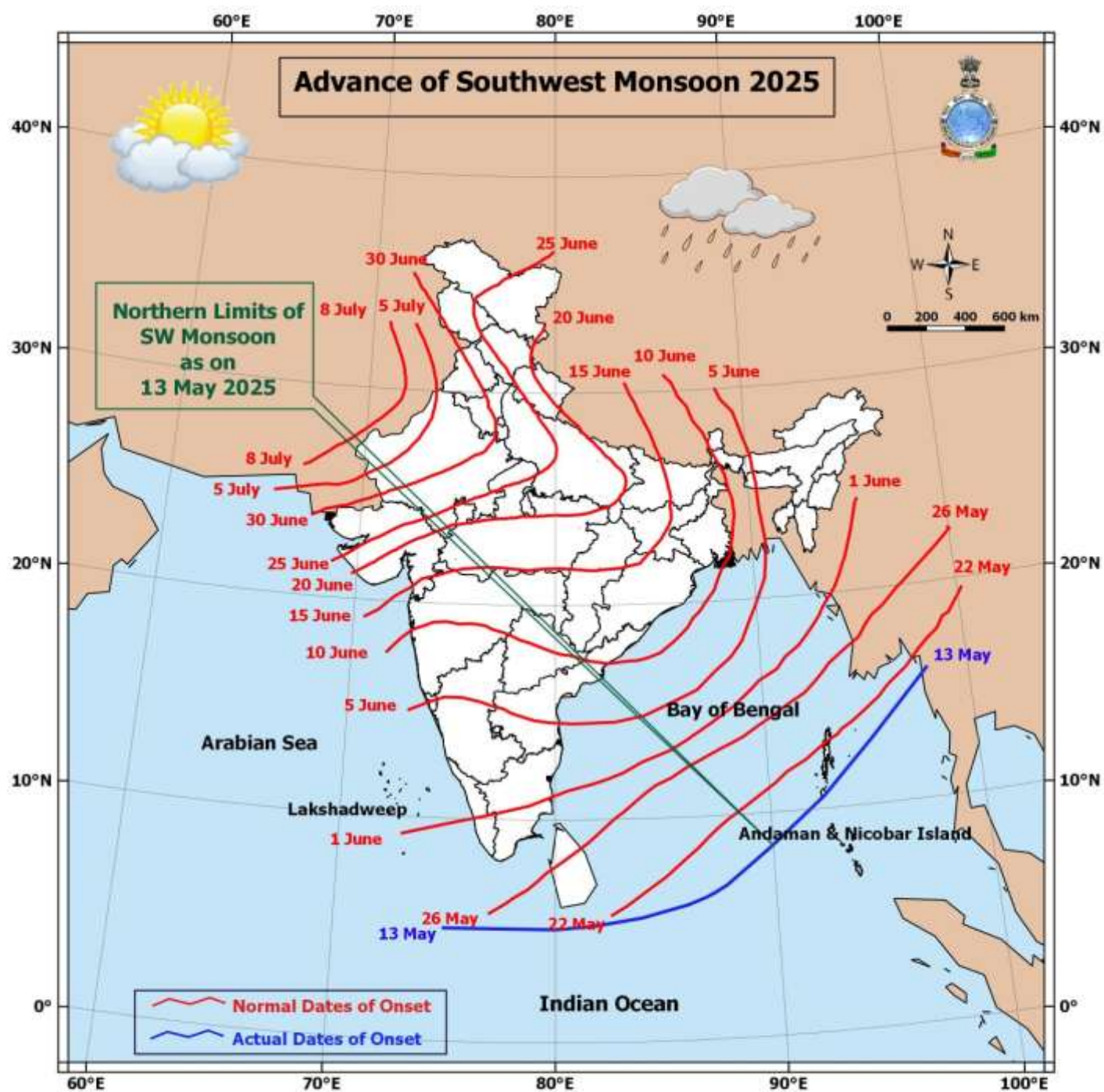
- ❖ **Heat wave conditions** very likely in isolated pockets of Gangetic West Bengal, Jharkhand on 14th & 15th; East Uttar Pradesh during 14th-19th; West Uttar Pradesh during 15th-19th; West Rajasthan during 15th-17th may.
- ❖ **Hot & humid weather** is likely to prevail over Bihar, Tamilnadu Puducherry & Karaikal during 13th-15th; Odisha during 13th-16th; Jharkhand, Gangetic West Bengal on 13th May.

iv. Weather conditions and forecast over Delhi/NCR during 13th May to 16th May, 2025 (Annexure VI)

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** Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim and Lakshadweep; at many places over Andaman & Nicobar Islands and Gangetic West Bengal; **at a few places over** Odisha, Bihar, Madhya Maharashtra, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; **at isolated places over** Jharkhand, Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; Dry over rest of the country.

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

- ❖ **Andaman & Nicobar Islands:** Iaf Carnicobar (dist Nicobar) 9, Car Nicobar (dist Nicobar) 8, Nancowry (dist Nicobar) 3, Hut Bay (dist South Andaman) 2
- ❖ **South Interior Karnataka:** Jagalur (dist Davangere) 15; Kottigehara (dist Chikkamagaluru) 9; Kibbanahalli (dist Tumakuru), Y N Hoskote (dist Tumakuru), Nayakanahatty (dist Chitradurga), Maddur (dist Mandya), Chikkamagaluru PTO (dist Chikkamagaluru), C R Patna (dist Hassan) 4 Each;
- ❖ **Sub Himalayan West Bengal & Sikkim:** Ghatia T.e. (dist Jalpaiguri), Nagarkata (dist Jalpaiguri) 12 Each; Gangtok (dist Gangtok), Indong T.e. (dist Jalpaiguri), Mangan (dist Mangan) 11 Each; Sankalan (dist Mangan), Hilla T.e. (dist Jalpaiguri), Kurti T.e. (dist Jalpaiguri), Tra Nagrakata (dist Jalpaiguri) 10 Each; Aibheel Tea Estate (dist Jalpaiguri) 9; Neora (dist Jalpaiguri), Singhik (dist Mangan), Zurrantee T.e (dist Jalpaiguri) 8 Each; Gurjonghora Tea Estate (dist Jalpaiguri) 7; Jiti T.e. (dist Jalpaiguri) 6; Soongachi T.e. (dist Jalpaiguri) 5; Tadong (dist Gangtok), Ghughumari (dist Cooch Behar), Fagu Tea Estate (dist Jalpaiguri) 4 Each;
- ❖ **Assam & Meghalaya:** Goalpara CWC (dist Goalpara) 8; Dhubri IMD (dist Dhubri) 7; Dhubri CWC (dist Dhubri), Bahalpur (dist Dhubri), Ranganadi Nt Xing (dist Lakhimpur) 6 Each; B P Ghat (dist Sribhum), Karimganj (dist Sribhum), Shella (dist East Khasi Hills), Numaligarh (dist Golaghat), Tezpur (dist Shonitpur) 5 Each; Majbat (dist Udalguri), Mawsynram (dist East Khasi Hills), Laharighat ARG (dist Morigaon), Mazbat ARG (dist Udalguri) 4 Each;
- ❖ **Odisha:** Ghasipura (dist Keonjhar) 8; Banspal (dist Keonjhar) 7; Keonjhar (dist Keonjhar), Khaira (dist Balasore) 6 Each; Rajghat (dist Balasore), Anandpur (dist Keonjhar), Bahanga (dist Balasore) 5 Each; Soro (dist Balasore), Bonth (dist Bhadrak), Oupada (dist Balasore) 4 Each;
- ❖ **Madhya Maharashtra:** Trimbakshwar (dist Nashik) 8;
- ❖ **Rayalaseema:** Chenna Kothapalle (dist Sri Sathya Sai District), Raptadu (dist Anantapuramu), Nandavaram (dist Kurnool) 7 Each; Gooty (dist Anantapuramu) 6; Kambadur (dist Anantapuramu) 4;
- ❖ **Punjab:** Tuting (dist Upper Siang) 7;
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Sholayar (dist Coimbatore) 7; Cincona (dist Coimbatore) 6; Madurai Andipatti (dist Madurai) 5; Annur (dist Coimbatore), Marandahalli (dist Dharmapuri), Ketti (dist Nilgiris) 4 Each;
- ❖ **Kerala & Mahe:** Urumi AWS (dist Kozhikode) 6;
- ❖ **Bihar:** Forbesganj (dist Araria), Motipur (dist Muzaffarpur) 6 Each; Narpaganj (dist Araria), Motihari (dist East Champaran), Turkaulia (dist East Champaran), Banjaria (dist East Champaran), Bithan (dist Samastipur), Chakia (dist East Champaran) 4 Each;
- ❖ **Gangetic West Bengal:** Burdwan PTO (dist Purba Bardhaman) 6;
- ❖ **Coastal Andhra Pradesh & Yanam:** Therlam (dist Vizianagaram) 5; Ranastalam (dist Srikakulam) 4;

Realised Gusty Winds (KMPH) during past 24hours ending at 0300 UTC of today i.e. 13.05.2025;

- ❖ **Saurashtra & Kutch:** RJK AWS 80;
- ❖ **Madhya Maharashtra:** Pune 72, Nashik 53, Kolhapur 52, Jalgaon 52;
- ❖ **Assam & Meghalaya:** Mawsynram=66, Mawkyrwat 48, Nongstoin_KVK 43, Tura 43, Tura_KVK= 41, GOALPARA 40;
- ❖ **Tamil Nadu:** Ranipet 67, Natham Isro 41, Tenkasi 41, Tiruppur Collector Office 41;
- ❖ **Bihar:** Muzaffarpur (56 kmph);
- ❖ **Marathawada:** Jalna 54;
- ❖ **Haryana:** Bhiwani=54; Gurugram, Charkhai Dadri, Bhiwani, Sonipat=37;

- ❖ **Gangetic West Bengal:** Dum Dum (52 kmph), Alipore (63 kmph), Digha (56 kmph) AWS Sonarpur, Dum Dum (67 kmph); Barrackpore, Jagatballavpur (50 kmph); Digha, Uluberia (48 kmph), Amta (46 kmph); Raidighi (44 kmph); Agartara (43 kmph); Canning, Asansol (41 kmph); Burdwan (35 kmph); Diamond Harbour, Durgapur (31 kmph); Gangasagar, Bampur, Kalyani (30 kmph);
- ❖ **Jharkhand:** Simdega (48 kmph);
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** GOKULPUR=44, LAWNGTLAI=39;
- ❖ **East Uttar Pradesh:** Kushinagar_Kvk(Aws)-43, Lucknow (Ap)-33;
- ❖ **West Madhya Pradesh:** Shahajapur 42;
- ❖ **Uttarakhand:** Pantnagar-41, Roorkee-33, Ranichauri-33, Kashipur-31, Chamoli-31;
- ❖ **Arunachal Pradesh:** LOWERTATO = 40, KALAKTANG = 33;
- ❖ **Konkan & Goa:** Karjat 39;
- ❖ **Chhattisgarh:** Korba 39;
- ❖ **Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad:** KUP=39, RBN=26, BARAMULLA & SHOPIAN=24
- ❖ **West Uttar Pradesh:** AGRA(IAF)-37;

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 of West Rajasthan, East Madhya Pradesh; at many pockets over Odisha, Bihar, Telangana, Rayalaseema; at a few pockets over Gangetic West Bengal, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam; at isolated places over Haryana-Chandigarh-Delhi, Vidarbha, East Rajasthan, East Uttar Pradesh, West Madhya Pradesh, Chhattisgarh; in the range 35-39°C in many pockets over Punjab; at a few pockets over Gujarat state, Madhya Maharashtra, Marathwada, Kerala & Mahe; at isolated pockets over Konkan & Goa, North Interior Karnataka, Coastal Karnataka and they were **less than 34°C** elsewhere over remaining parts of the country. Yesterday, the **highest maximum temperature of 43.4°C** was reported at **Banda (East Uttar Pradesh)** over the country. (Fig. 1).
- ❖ **Maximum Temperatures** were **above normal (1.6°C to 3.0°C)** at many places over Tamil Nadu, Puducherry & Karaikal, Gangetic West Bengal; at a few places over Odisha, Coastal Andhra Pradesh & Yanam, Coastal Karnataka; at isolated places over Kerala & Mahe, West Uttar Pradesh. These were **markedly below normal (-5.1 or below)** at a few places over Nagaland, Manipur, Mizoram & Tripura; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Gujarat state, West Madhya Pradesh; at isolated places over Vidarbha, Madhya Maharashtra, Marathwada; **below normal (-1.6°C to -3.0°C)** at many places over Sub Himalayan West Bengal & Sikkim; at few places over East Madhya Pradesh; at isolated places over Telangana, Interior Karnataka, Rayalaseema, Punjab, Himachal Pradesh, East Rajasthan and normal over rest parts of the country. (Fig. 2).

Fig. 1: Maximum Temperatures

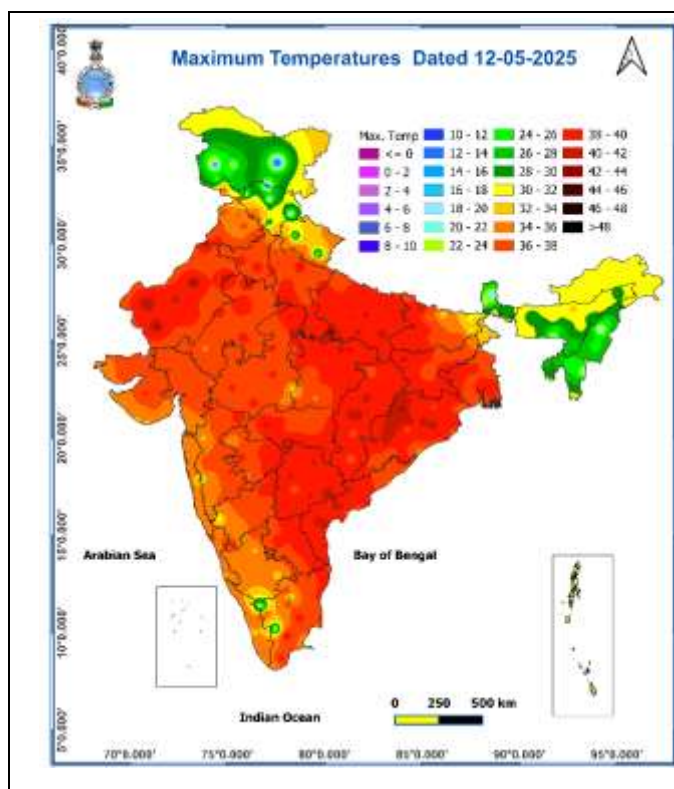
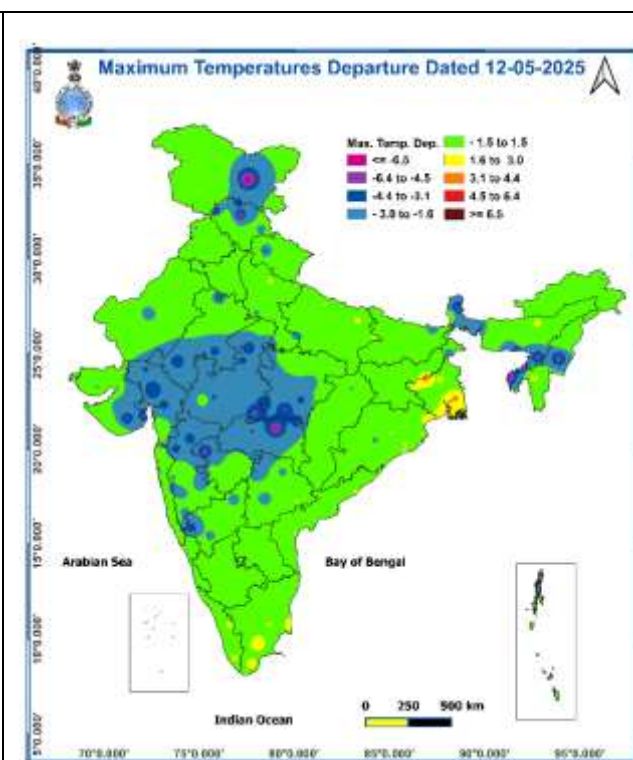
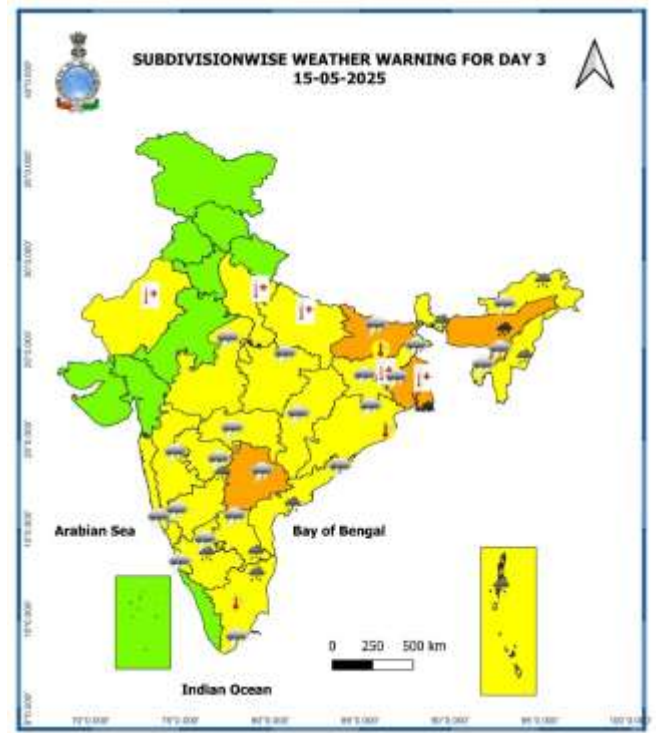
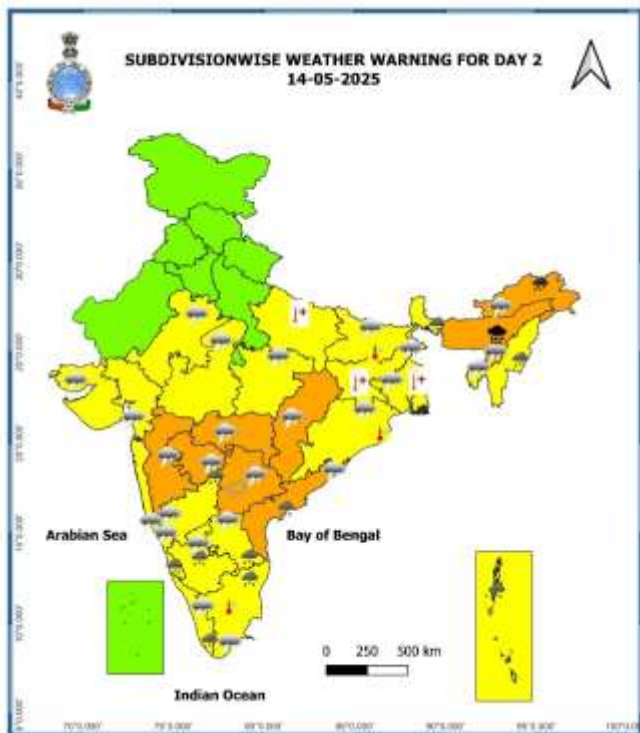
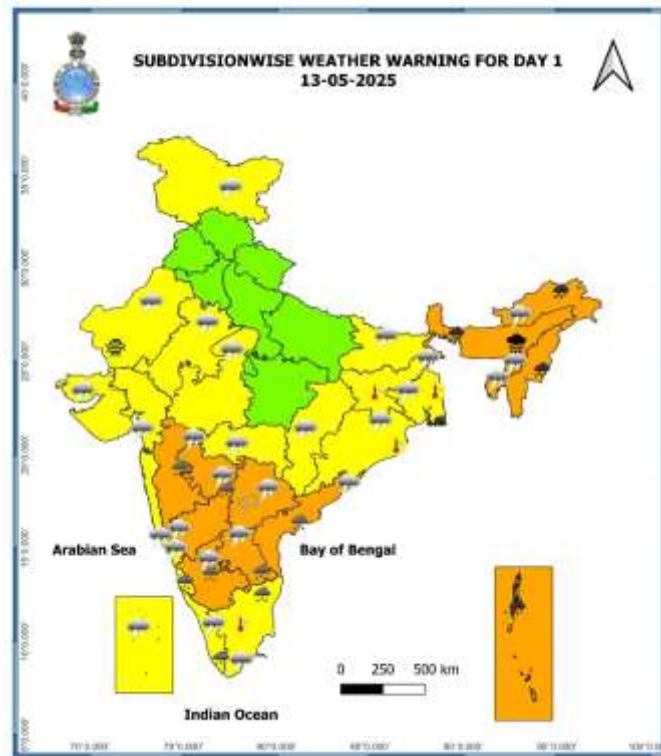


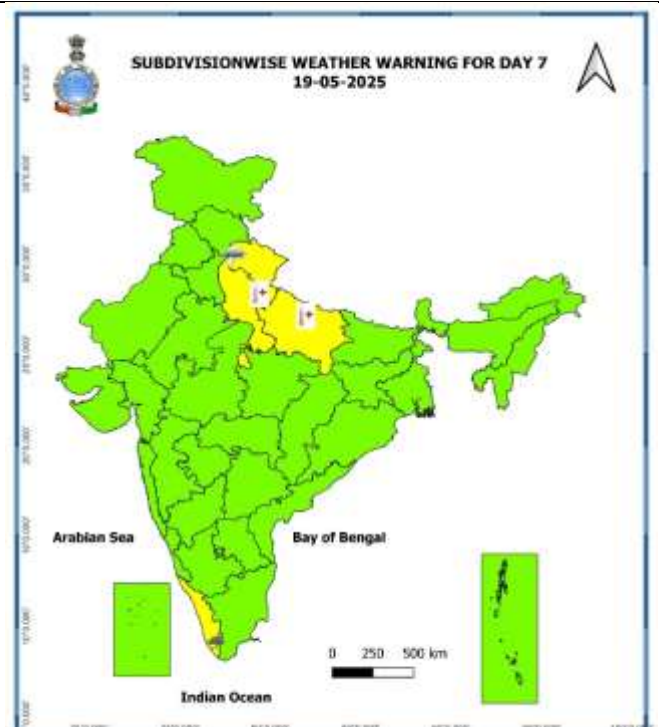
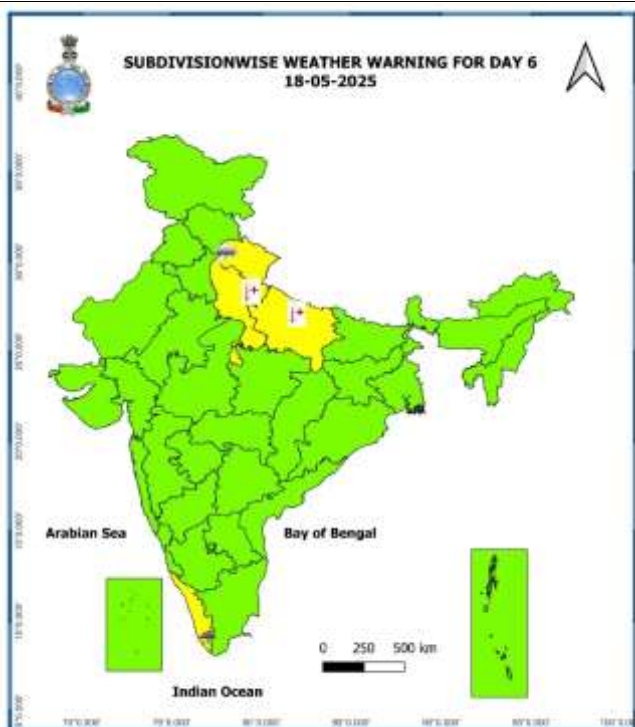
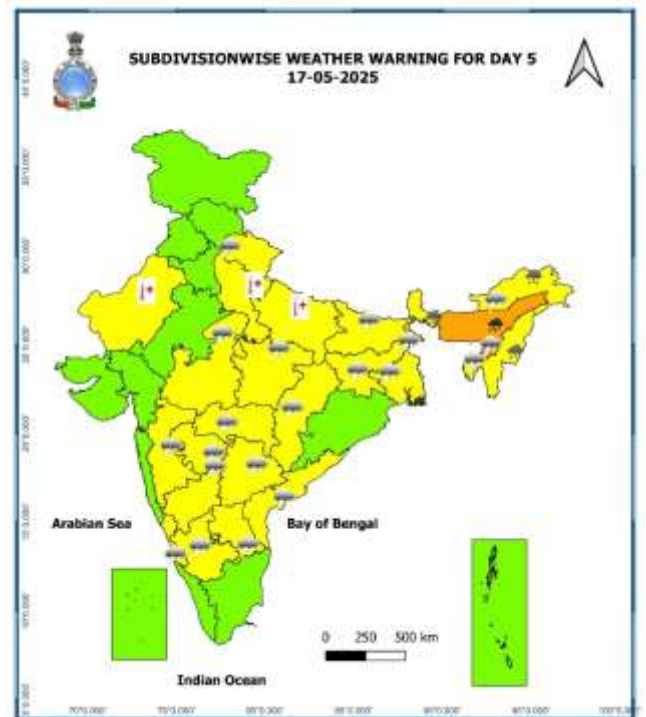
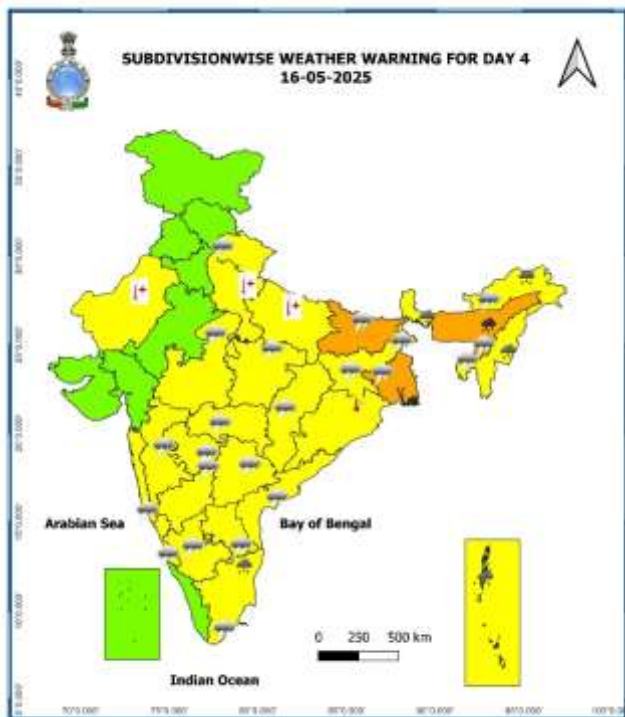
Fig. 2: Departure of Maximum Temperatures



7 Days Rainfall Forecast								
S. No.	Subdivision	13-May	14-May	15-May	16-May	17-May	18-May	19-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	WS	WS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	WS	WS	WS	WS	WS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	WS	WS	FWS	FWS	SCT	SCT	SCT
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	WS	WS	WS	FWS	FWS	WS	WS
6	GANGETIC WEST BENGAL	SCT	ISOL	SCT	FWS	FWS	FWS	SCT
7	ODISHA	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
8	JHARKHAND	DRY	DRY	ISOL	ISOL	ISOL	SCT	SCT
9	BIHAR	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
12	UTTARAKHAND	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
13	HARYANA CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
14	PUNJAB	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
16	JAMMU & KASHMIR AND LADAKH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	DRY	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	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH & YANAM	SCT	FWS	FWS	SCT	SCT	SCT	SCT
29	TELANGANA	SCT	FWS	FWS	FWS	FWS	FWS	ISOL
30	RAYALASEEMA	SCT	FWS	FWS	FWS	SCT	SCT	SCT
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	SCT	SCT	SCT	SCT	SCT	ISOL
32	COASTAL KARNATAKA	WS	WS	WS	WS	WS	WS	FWS
33	NORTH INTERIOR KARNATAKA	WS	WS	WS	WS	FWS	FWS	FWS
34	SOUTH INTERIOR KARNATAKA	WS	WS	WS	WS	FWS	FWS	FWS
35	KERALA & MAHE	FWS	FWS	SCT	SCT	SCT	FWS	FWS
36	LAKSHADWEEP	FWS	FWS	SCT	SCT	SCT	FWS	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 13th to 16th May 2025**Past Weather:**

There has been rise in minimum temperature up to 03°C and rise in maximum temperature up to 01°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi are in the range of 38 to 40°C and 25 to 27°C respectively. The minimum temperature was above normal up to 01 - 02°C and the maximum temperature was near normal over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the northwest direction with wind speeds less than 16 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 14 kmph from the northwest direction prevailed over the region in the forenoon today.

Weather Forecast:

13.05.2025: Partly cloudy sky. Sustained surface winds (speed 20 – 30 kmph) occasionally gusting to 40 kmph. The maximum temperatures over Delhi are likely to be in the range of 39 to 41°C. 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 less than 20 kmph till evening. It would decrease becoming less than 16 kmph from the northeast direction during the night.

14.05.2025: Partly cloudy sky. Sustained surface winds (speed 15 – 25 kmph) occasionally gusting to 35 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 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 above normal up to 01 - 03 °C. The predominant surface wind will likely be from the northwest direction with a wind speed of 10-15 kmph during morning hours. The wind speed will gradually increase becoming 15-20 kmph from the northwest direction in the afternoon. It will decrease becoming less than 16 kmph from the northwest direction during evening and night.

15.05.2025: Partly cloudy sky. Sustained surface winds (speed 15 – 25 kmph) occasionally gusting to 35 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 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 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 decrease becoming 16-18 kmph from the northwest direction in the afternoon. It will decrease becoming less than 14 kmph from the northwest direction during evening and night.

16.05.2025: Partly cloudy sky. Possibility of very light rain/thunderstorm/lighting and gusty winds (speed 30-40 kmph), temporarily reaching to 50 kmph during thunderstorm. The maximum and minimum temperatures over Delhi are likely to be in the range of 40 to 42°C and 28 to 30°C respectively. The minimum temperature will be above normal up to 02 – 04°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 16 kmph during the morning hours. The wind speed will gradually increase becoming 16-18 kmph from the northwest direction in the afternoon. It will decrease becoming less than 16 kmph from the south 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 Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim on 13th; Arunachal Pradesh, on 13th-14th; Assam & Meghalaya during 13th-17th, Nagaland, Manipur, Mizoram & Tripura on 13th May.
- ✓ **Extremely heavy rainfall** at isolated places over Meghalaya on 13th & 14th 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.

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, Coastal Andhra Pradesh & Yanam on 13th & 14th; Vidarbha, Chhattisgarh on 14th; Gangetic West Bengal, Bihar on 15th & 16th May. Telangana during 13th-15th; Interior Karnataka, Rayalaseema on 13th May. Vidarbha, Chhattisgarh on 14th May
- ✓ **Isolated hailstorm** at isolated places over Telangana on 14th & 15th May.

Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

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

Impact expected and action suggested due to Heat wave conditions over in isolated pockets of Gangetic West Bengal, Jharkhand on 14th & 15th; East Uttar Pradesh during 14th-19th; West Uttar Pradesh during 15th-19th; West Rajasthan during 15th-17th 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, Madhya Maharashtra, Tamil Nadu, Kerala, Karnataka and Andhra Pradesh**, make provision to drain out excess water from standing crop and vegetable fields.
- In **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.
- 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°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.