



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 18<sup>th</sup> May, 2025

Time of Issue: 1400 hours IST

**Subject: i) Heavy to very heavy Rainfall over west coast (Karnataka, Konkan & Goa and Kerala) and adjoining Peninsular India during 18<sup>th</sup>-24<sup>th</sup> May, 2025.  
ii) Heavy to very heavy rainfall accompanied with thunderstorms & lightning likely over Northeast India and over Sub-Himalayan West Bengal & Sikkim during next 5-6 days.  
iii) Heat wave conditions likely over West Rajasthan during 18<sup>th</sup>-22<sup>nd</sup> and over Jammu & Kashmir on 18<sup>th</sup> May 2025.**

**Advance of Southwest Monsoon: (Annexure I):**

- ❖ **The Northern Limit of Monsoon continues to pass through 5°N/65°E, 6°N/70°E, 6.5°N/75°E, 7°N/80°E, 9°N/85°E, 12°N/90°E, 15°N/93°E and 19°N/97°E.**
- ❖ Conditions are favorable for further advance of southwest Monsoon over some more parts of south Arabian Sea, Maldives & Comorin area; some more parts of South Bay of Bengal; some more parts of central Bay of Bengal, and some parts of northeast Bay of Bengal during next 2-3 days.
- ❖ **Realised weather during past 24 hours till 0830 hours IST of today, the 18<sup>th</sup> May 2025 (Annexure II):**
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 60-90 kmph prevailed at isolated places over Coastal Andhra Pradesh, Madhya Pradesh, East Uttar Pradesh, Gangetic West Bengal, Jharkhand, Bihar, Tripura; with speed 40-60 kmph prevailed at isolated places over Tamilnadu, Kerala, Interior Karnataka, Rayalaseema, Telangana, Himachal Pradesh, Uttarakhand, Haryana, West Uttar Pradesh, Vidarbha, Chhattisgarh, Marathawada, Madhya Maharashtra,
- ❖ **Heavy to very heavy rainfall** has been recorded at isolated places over Tamil Nadu, North Interior Karnataka, Sub-Himalayan West Bengal & Sikkim; **Heavy rainfall** at isolated places over Rayalaseema, Meghalaya, Tripura, Marathawada.
- ❖ **Heat wave to severe Heat wave conditions** prevailed in isolated pockets of Jammu Division and **Heat wave conditions** at isolated pockets of Rajasthan.
- ❖ **Warm night conditions** prevailed in isolated pockets of Rajasthan.

**For more details of realised weather, kindly refer Annexure II,**

Yesterday, Maximum Temperatures were in the range of 43-46°C in some parts of Rajasthan, south Punjab, south Haryana, south East Uttar Pradesh, North Madhya Pradesh.

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):**

- ❖ An **upper air cyclonic circulation** is likely to form over eastcentral Arabian Sea off Karnataka coast around 21<sup>st</sup> May. Under its influence, a **Low-pressure area** is likely to form over the same region around 22<sup>nd</sup> May. Thereafter, it is likely to move northwards and intensify further.
- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along Long. 61°E to the north of Lat. 36°N.
- ❖ The **upper air cyclonic circulation** over central parts of Haryana & neighbourhood in lower tropospheric levels.

- ❖ The **trough** now runs from central parts of Punjab to north Bangladesh across above cyclonic circulation over central parts of Haryana, central parts of Uttar Pradesh, Bihar, north Gangetic West Bengal in lower tropospheric levels.
- ❖ The **upper air cyclonic circulation** over central Assam extending in lower tropospheric levels.
- ❖ The **trough** in lower tropospheric westerlies roughly along Long. 91°E to the north of Lat. 23°N.
- ❖ The **upper air cyclonic circulation** over west Vidarbha & neighbourhood persists and a **trough** from above cyclonic circulation over west Vidarbha to Rayalaseema across North Interior Karnataka in lower tropospheric levels.
- ❖ The upper air **cyclonic circulation** over southeast Bay of Bengal now lies over southwest & adjoining southeast Bay of Bengal and a **trough** runs from southeast Bay of Bengal to north Kerala across above cyclonic circulation over southwest & adjoining southeast Bay of Bengal and central parts of Tamil Nadu in lower & middle tropospheric levels tilting southwestwards with height.
- ❖ The **upper air cyclonic circulation** over northeast Arabian Sea off south Gujarat 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 reaching 30-50 kmph** likely over Northeast India during next 7 days.
- ✓ **Isolated heavy rainfall** over Arunachal Pradesh during 18<sup>th</sup>-20<sup>th</sup>; Assam & Meghalaya during 18<sup>th</sup>-24<sup>th</sup>; Tripura & Nagaland 18<sup>th</sup> with isolated **very heavy rainfall** over Assam & Meghalaya during 18<sup>th</sup>-20<sup>th</sup> May.

#### South peninsular India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Kerala & Mahe, Lakshadweep, Karnataka; **Scattered to fairly widespread** accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana during next 7 days.
- ✓ **Isolated heavy rainfall** likely over Tamilnadu Puducherry & Karaikal during 18<sup>th</sup>-20<sup>th</sup>; Kerala & Mahe, Coastal Karnataka, North Interior Karnataka during 18<sup>th</sup>-24<sup>th</sup>; Lakshadweep on 19<sup>th</sup>; Coastal Andhra Pradesh & Yanam during 20<sup>th</sup>-22<sup>nd</sup>; Rayalaseema during 18<sup>th</sup>-20<sup>th</sup>; South Interior Karnataka during 18<sup>th</sup>-21<sup>st</sup> May with the **Isolated very heavy rainfall** also likely over Coastal Karnataka during 20<sup>th</sup>-22<sup>nd</sup>; South Interior Karnataka during 18<sup>th</sup>-20<sup>th</sup> and over North Interior Karnataka during 19<sup>th</sup>-22<sup>nd</sup>; ghats area of Tamil Nadu on 20<sup>th</sup> May.
- ✓ **Extremely heavy rainfall** at isolated places over Coastal Karnataka on 20<sup>th</sup> May.

#### West India:

- ✓ **Isolated to scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Konkan & Goa, Madhya Maharashtra, Marathawada during 18<sup>th</sup>-24<sup>th</sup> and over Gujarat State during 22<sup>nd</sup>-24<sup>th</sup> May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Konkan & Goa during 20<sup>th</sup>-23<sup>rd</sup>; Madhya Maharashtra on 18<sup>th</sup> and during 20<sup>th</sup>-23<sup>rd</sup>; Marathawada on 18<sup>th</sup> & 20<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** likely over south Madhya Maharashtra during 18<sup>th</sup> -23<sup>rd</sup>; Konkan & Goa during 18<sup>th</sup>-24<sup>th</sup> May with **very heavy rainfall** over Konkan during 20<sup>th</sup> – 22<sup>nd</sup> and Madhya Maharashtra on 21<sup>st</sup> & 22<sup>nd</sup> 2025.

#### East & Central India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over West Bengal & Sikkim, Jharkhand; **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Bihar during next 7 days.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Gangetic West Bengal, Odisha on 18<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 20<sup>th</sup>; Bihar during 18<sup>th</sup>-20<sup>th</sup>; Jharkhand, Vidarbha on 18<sup>th</sup> & 19<sup>th</sup>; Chhattisgarh during 20<sup>th</sup>-22<sup>nd</sup> May.
- ✓ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 18<sup>th</sup>-21<sup>st</sup>; Gangetic West Bengal on 18<sup>th</sup>; Bihar during 18<sup>th</sup>-22<sup>nd</sup> May with **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 18<sup>th</sup> & 20<sup>th</sup> 2025.

#### 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, Himachal Pradesh during 18<sup>th</sup>-20<sup>th</sup> and Uttarakhand during 18<sup>th</sup>-24<sup>th</sup> May.
- ✓ Isolated light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over plains of Northwest India during 18<sup>th</sup>-24<sup>th</sup> May.
- ✓ **Isolated hailstorm** very likely over Himachal Pradesh on 19<sup>th</sup> and over Uttarakhand on 19<sup>th</sup> & 20<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** likely over Uttarakhand on 23<sup>rd</sup> & 24<sup>th</sup> May.
- ✓ **Duststorm** very likely at isolated places over Punjab on 18<sup>th</sup> May.
- ✓ **Strong dust raising winds (30-40 kmph)** very likely over West Rajasthan on 18<sup>th</sup> & 19<sup>th</sup> May.

#### Maximum Temperature Forecast:

- ❖ Gradual fall in maximum temperatures by 2-3°C over East India during next 3 days and no large change thereafter for subsequent 3 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

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

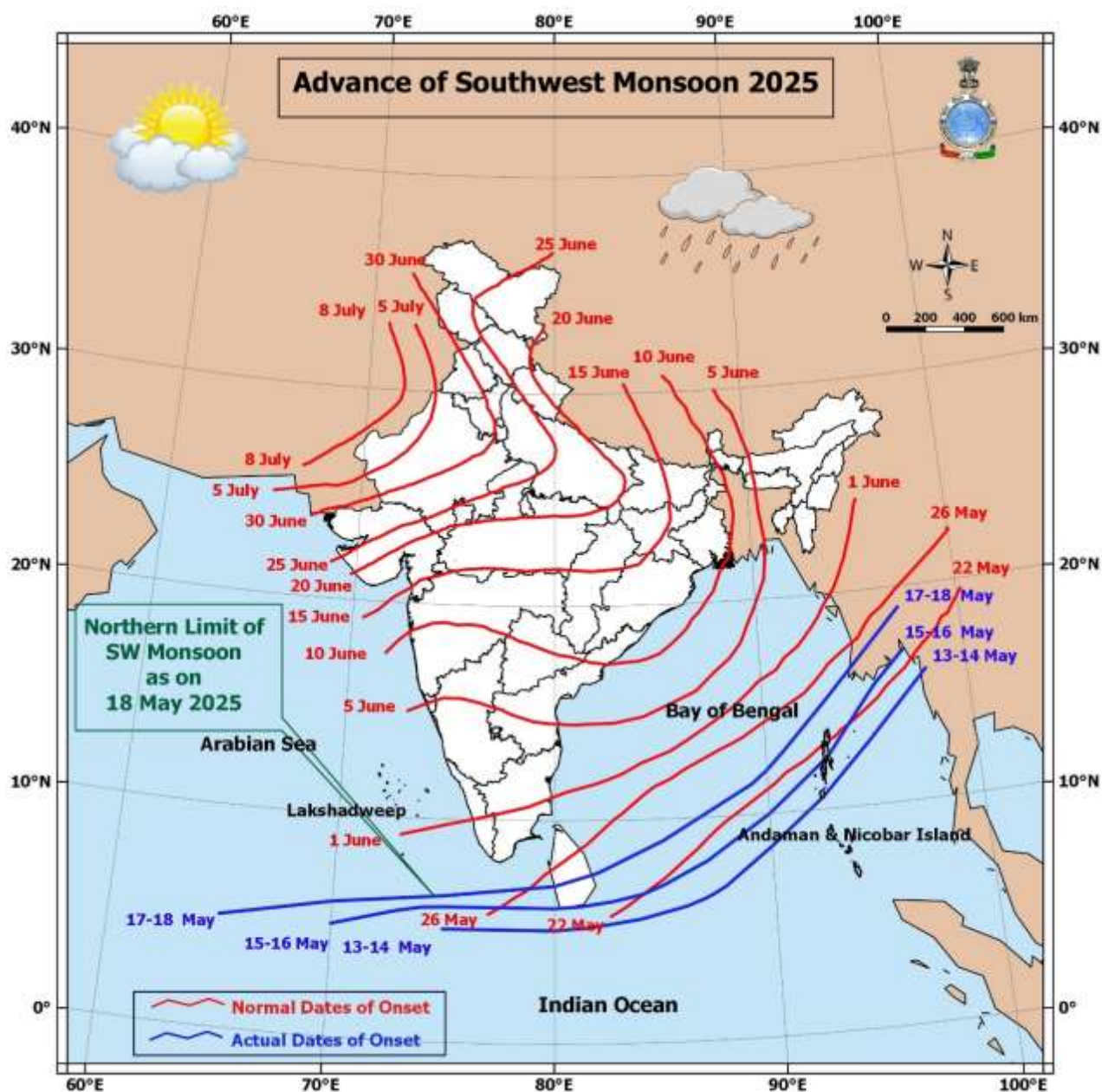
- ❖ **Heat wave conditions** very likely in isolated pockets of Jammu & Kashmir 18<sup>th</sup>; West Rajasthan during 18<sup>th</sup>-22<sup>nd</sup> May.
- ❖ **Hot & humid weather** is likely to prevail over Odisha on 18<sup>th</sup> & 19<sup>th</sup> May.
- ❖ **Warm night conditions** very likely in isolated pockets of West Rajasthan on 18<sup>th</sup> & 19<sup>th</sup> May.

#### iv. Weather conditions and forecast over Delhi/NCR during 18<sup>th</sup> May to 21<sup>st</sup> May, 2025 (Annexure VI)

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>



**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, Rayalaseema, Interior Karnataka, Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim; **at many places** over Gangetic West Bengal, Tamilnadu Puducherry & Karaikal, Kerala & Mahe, Lakshadweep, Coastal Karnataka; **at a few places** over Coastal Andhra Pradesh & Yanam, Uttarakhand, Vidarbha, Jharkhand; **at isolated places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Haryana Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Odisha, Konkan & Goa, Marathawada, Gujarat Region, Telangana.

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

- ❖ **Andaman & Nicobar Islands:** Car Nicobar (dist Nicobar) 3, Iaf Carnicobar (dist Nicobar) 1, Long Island (dist North & Middle Andaman) 1, Maya Bandar (dist North & Middle Andaman) 1
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Sevoke (dist Darjeeling) 19, Ghish (dist Jalpaiguri) 9, Washabari Tea Estate (dist Jalpaiguri) 8, Kailashpur Tea Estate (dist Jalpaiguri) 7, Indong T.e. (dist Jalpaiguri) 7, Saraswatipur Tea Estate (dist Jalpaiguri) 7, Champasari (dist Darjeeling) 7, Siliguri Pto (dist Darjeeling) 6,
- ❖ **North Interior Karnataka:** Kakkeri (dist Yadgir) 13, Shorapur (dist Yadgir) 10, Maski (dist Raichur) 9, Hunsagi (dist Yadgir) 8, Haveri Pto (dist Haveri) 8, Tavaragera (dist Koppal) 6,
- ❖ **Tamil Nadu:** Hogenekal (dist Dharmapuri) 12; Panchapatti (dist Karur) 10; Vaniyambadi (dist Tirupattur), Puduchatram (dist Namakkal) 9 Each; Taluk Office Pandalur (dist Nilgiris) 8; Rameswaram (dist Ramanathapuram), Salem (dist Salem), Sankaridurg (dist Salem), Orthanad (dist Thanjavur), Needamangalam (dist Tiruvarur), Edapadi (dist Salem) 7 Each; Pennagaram (dist Dharmapuri), Rasipuram (dist Namakkal), Vandavasi (dist Tiruvannamalai), Valangaiman (dist Tiruvarur), Kodavasal (dist Tiruvarur), Bhuvanagiri (dist Cuddalore), Kurinjipadi (dist Cuddalore), Natrampalli (dist Tirupattur), Vadapudupattu (dist Tirupattur), Tnau Cri Yethapur (dist Salem), Anaimaduvu Dam (dist Salem), Vettikadu (dist Thanjavur), Sandhiyur Kvk AWS (dist Salem) 6 Each;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Sonamura Mohanbhag CWC (dist Sipahijala) 10, Kolasib Agri (dist Kolasib) 7, Khowai (dist Khowai) 6, Khowai\_Aws (dist Khowai) 6, Kadamtala Arg (dist North Tripura) 5, Dharmanagar/ Panisagar (dist North Tripura) 5,
- ❖ **Rayalaseema:** Gorantla (dist Sri Sathyasai District) 10; Uravakonda (dist Anantapuramu) 9; Kurnool (dist Kurnool) 8; Amadagur (dist Sri Sathyasai District) 7;
- ❖ **Marathawada:** Selu (dist Parbhani) 7, Deoni (dist Latur) 7, Patoda (dist Beed) 2,

**Realised Gusty Winds (KMPH) during past 24hours ending at 0300 UTC of today i.e. 18.05.2025;**

- ❖ **Assam & Meghalaya:** Silchar\_Jns.College 40, Panchgram\_Aegcl = 38 Dullavcherra\_ = 31, Ampati = 76, Mawsynram = 61, Mawkyrwat = 59, Shillong = 41, Nongstoin\_Kvk = 38, Tura = 32
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Jiribam 36, Imphal\_Amfu 32, Saiha = 38,, Khowai = 70 , Afartala = 37 , Gandachara = 37
- ❖ **Andaman & Nicobar Islands:** Sri Vijayapuram (28)
- ❖ **Gangetic West Bengal:** Asansol (63); Murshidabad (54); Nadia (44); Amta, Uluberia, Sonarpur (43); Purulia (41); Dum Dum (39); Canning, Durgapur, Bijpur (37); Burdwan, Diamond Harbour (35); Gangasagar (33); Digha, Nimpith (31)
- ❖ **Odisha:** Jagatsinghpur, Rayagada (37)
- ❖ **Jharkhand:** Chatra (65)
- ❖ **Bihar:** Rajgir (50)
- ❖ **Himachal Pradesh:** Recong-Peo 54, Bilaspur Kvk 48, Bajaura, Seobagh & Tabo 41, Bilaspur & Kotkhai 37
- ❖ **Uttarakhand:** Matela-44
- ❖ **Punjab:** Salern(Hoshiarpur) = 41; Fatehgarhsahib = 41; Mohali = 37
- ❖ **Haryana:** Karnal = 59; Kaul = 52; Gurugram = 46; Sadalpur = 41; Panipat = 41
- ❖ **West Up:** Bulandshahar Aws-57, G. B. Nagar Aws & Meerut Aws-52 Each, Firozabad Aws-48, Agra Aws -41
- ❖ **East Up:** Raebareli Aws-65, Chandauli Aws-41
- ❖ **West Mp:** Gwalior 70, Indore 65,
- ❖ **East Mp:** Singrauli 76, Khajuahe 52
- ❖ **Vidarbha:** Nagpur 43, Wardha 31
- ❖ **Chattisgarh:** Koriya 56, Bilaspur 54
- ❖ **Konkan & Goa:** Ratnagiri (Dapoli) - 28 Kmph
- ❖ **Madhya Mh:** Nandurbar (Shahada\_Aws) - 41 Kmph
- ❖ **Marathwada:** Jalna - 50 Kmph, Beed (Ambejogai) - 44 Kmph, Parbhani - 44 Kmph, Nanded(Sagroli\_Kvk) - 41 Kmph



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

- ❖ Yesterday, **Maximum Temperatures** were in the **range of 40-46°C** in most parts of Rajasthan; in a few parts of Punjab, Haryana-Chandigarh-Delhi; in isolated parts of Uttar Pradesh, Madhya Pradesh; **in the range 36-40°C** in many parts of Gujarat state, Vidarbha, Chhattisgarh, Marathwada, Telangana, Coastal Andhra Pradesh & Yanam, Jharkhand, Odisha; in isolated parts of Jammu-Kashmir-Ladakh-Gilgit Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Bihar, Gangetic West Bengal, Rayalaseema, North Interior Karnataka, Madhya Maharashtra and they were less than 36°C elsewhere over remaining parts of the country. Yesterday, **the highest maximum temperature of 46.0°C is reported at Sri Ganganagar (West Rajasthan)** over the country.
- ❖ Yesterday, **Maximum Temperatures** were **markedly above normal (5.1°C or more)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Himachal Pradesh; **above normal (1.6°C to 3.0°C)** at many places over Punjab; at many places over Haryana; at isolated places over Rajasthan. These were **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Marathwada, Telangana; at isolated places over Arunachal Pradesh, Vidarbha, Tamil Nadu, Puducherry & Karaikal; **below normal (-1.6°C to -3.0°C)** at many places over Sub-Himalayan West Bengal & Sikkim, Rayalaseema, North Interior Karnataka, Madhya Maharashtra; at many places over Gujarat Region, Chhattisgarh, Coastal Andhra Pradesh & Yanam, South Interior Karnataka; at a few places over Bihar, Assam & Meghalaya; at isolated place over Saurashtra & Kutch, Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura, Odisha, Kerala & Mahe and normal over rest parts of the country. (Fig. 2).

Fig. 1: Maximum Temperatures

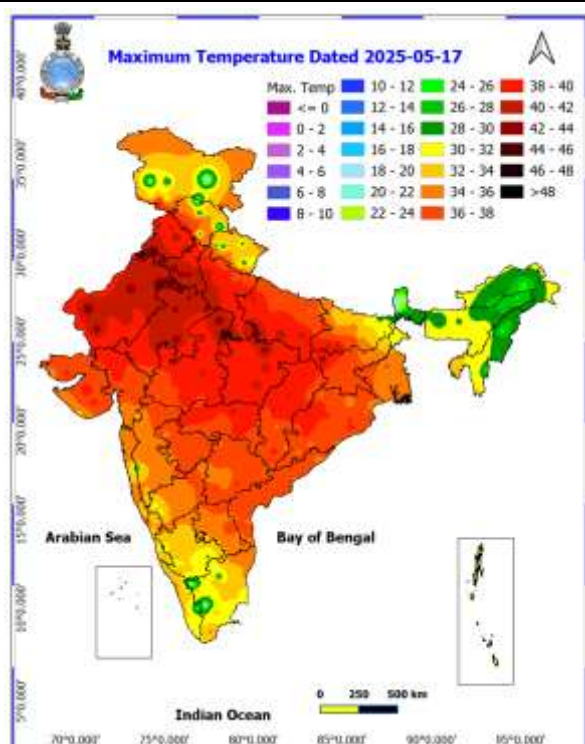
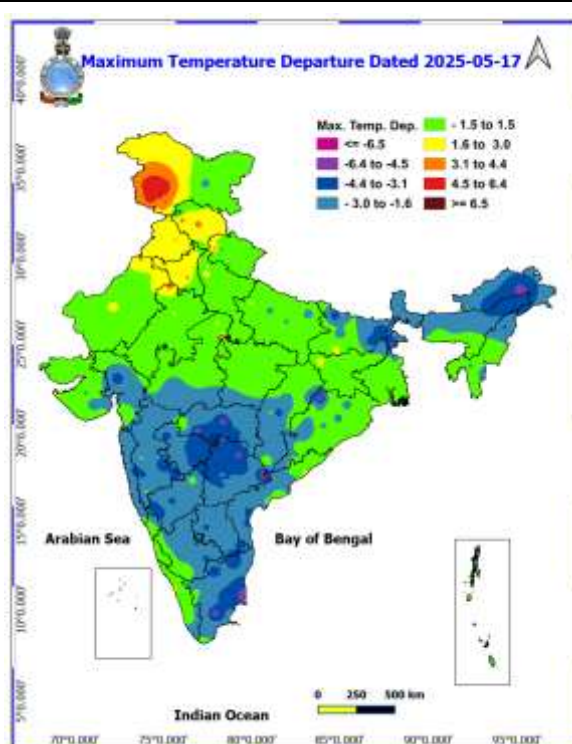
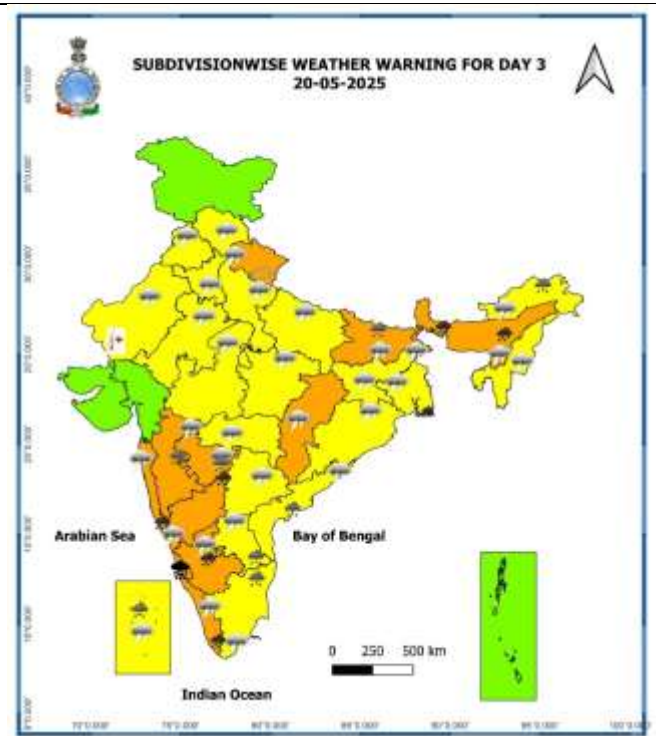
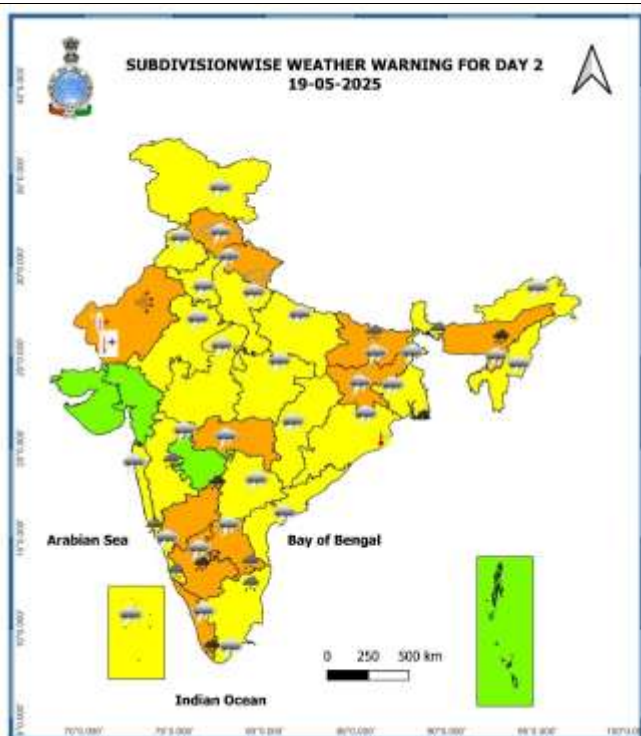
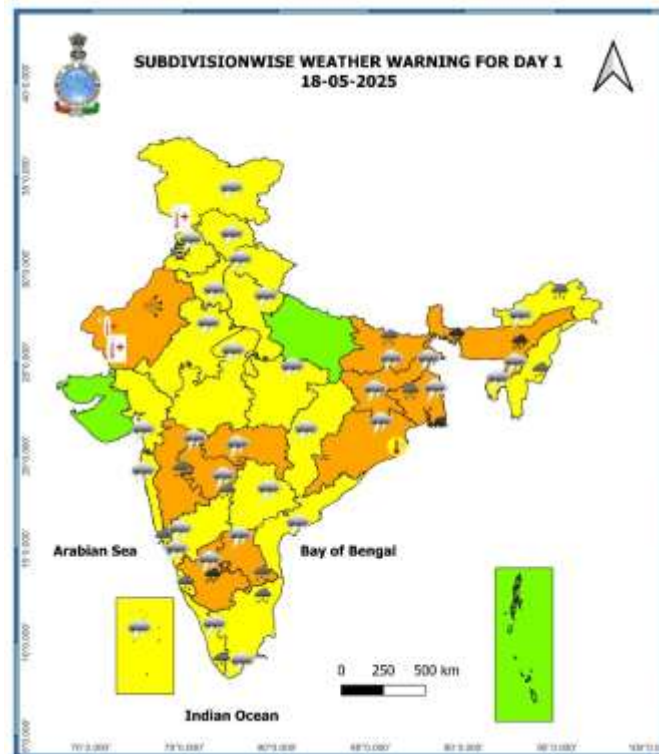


Fig. 2: Departure of Maximum Temperatures

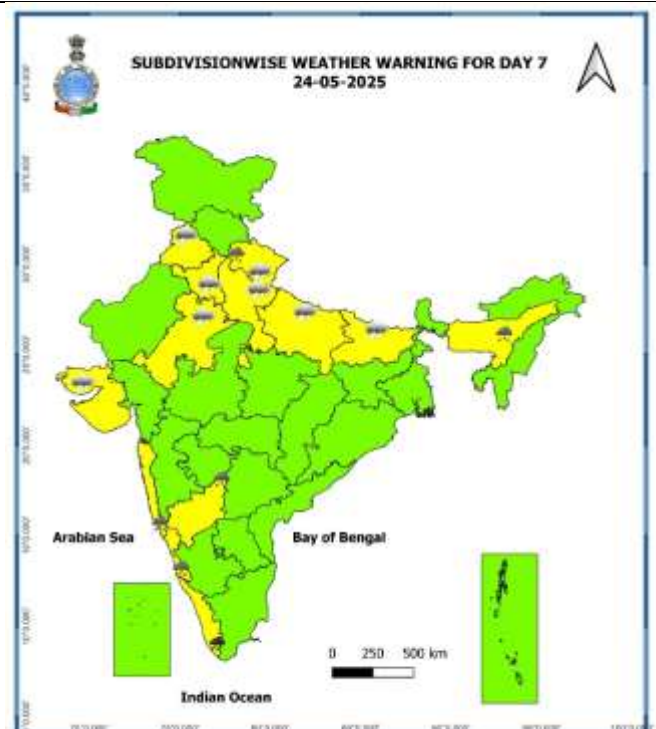
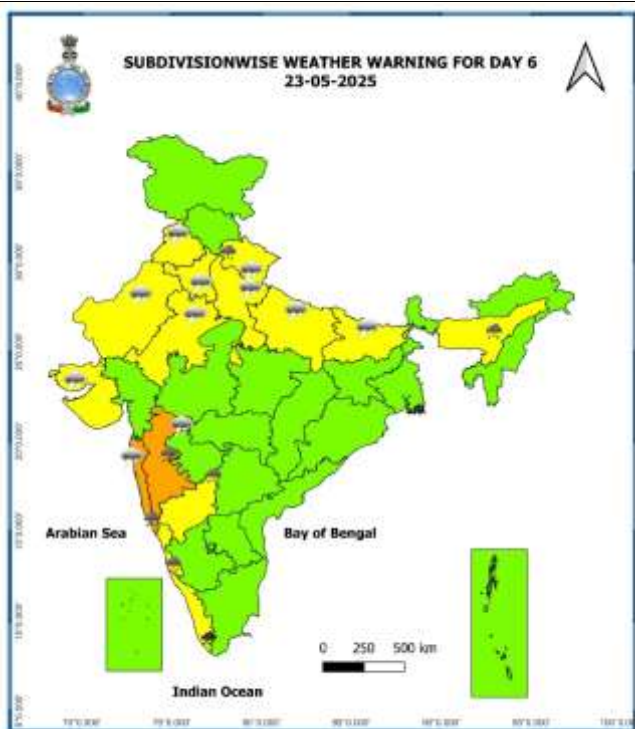
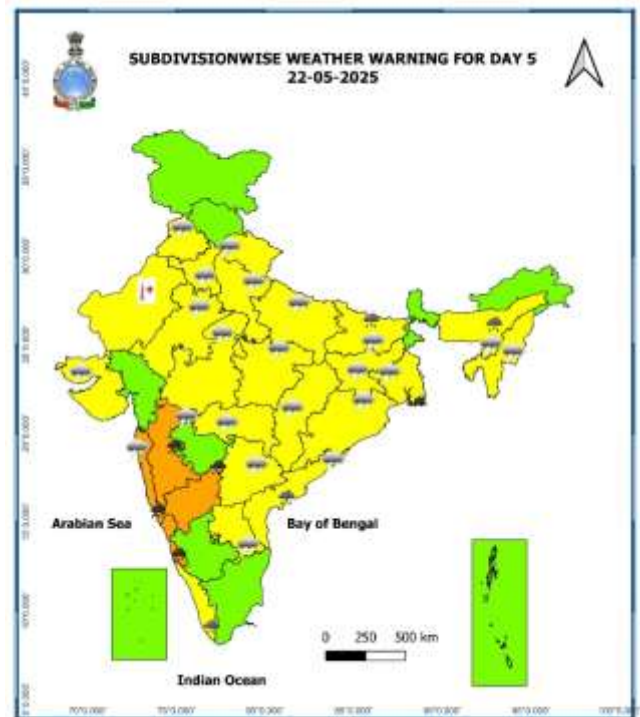
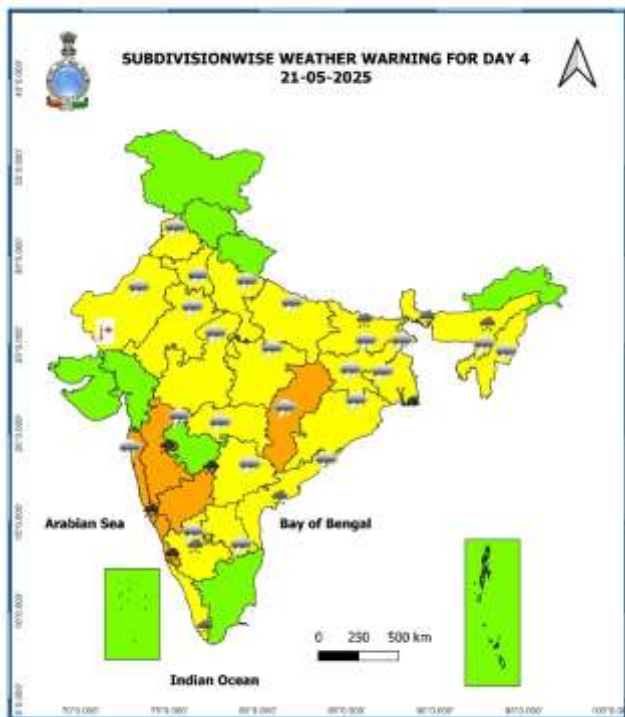


7 Days Rainfall Forecast								
S. No.	Subdivision	18-May	19-May	20-May	21-May	22-May	23-May	24-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	WS	FWS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	WS	WS	WS	FWS	FWS	FWS	FWS
4	NAGALAND, MANIPUR,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

- 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 18<sup>th</sup> to 21<sup>th</sup> May 2025****Past Weather:**

There has been rise in minimum temperature up to 02°C and fall 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 41 to 42°C and 24 to 27°C respectively. The minimum temperature was near normal and the maximum temperature was near normal at most places over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the northwest/Southeast direction with wind speeds less than 18 kmph gusting to 72 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 15 kmph from the northwest direction prevailed over the region in the forenoon today.

**Weather Forecast:**

**18.05.2025:** Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface wind speed 30 – 40 kmph towards afternoon/evening. The maximum temperatures over Delhi are likely to be in the range of 41 to 43°C. 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 till evening. It would decrease becoming less than 18 kmph from the northwest direction during the night.

**19.05.2025:** Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface wind speed 30 – 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 38 to 40°C and 26 to 28°C respectively. The minimum temperature will be above normal up to 01 - 02°C and the maximum temperature will be below normal up to 01 - 02°C. The predominant surface wind will likely be from the northwest direction with a wind speed of 20-25 kmph during morning hours. The wind speed will gradually decrease becoming 16-20 kmph from the northwest direction in the afternoon. It will decrease becoming less than 15 kmph from the northwest direction during evening and night.

**20.05.2025:** Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface wind speed 30 – 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 38 to 40°C and 27 to 29°C respectively. The minimum temperature will be above normal up to 01 - 03°C and the maximum temperature will be below 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 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 16 kmph from the northwest direction during evening and night.

**21.05.2025:** Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface wind speed 30 – 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 37 to 39°C and 26 to 28°C respectively. The minimum temperature will be above normal up to 01 – 02°C, and the maximum temperature will be below normal up to 02 - 04°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 12 kmph from the northwest direction during evening and night.

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

- Be cautious and take precautionary measures, though there is the likelihood of thunderstorm/lightning/dust accompanied by 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 & Action Suggested due to very heavy rainfall over

- ✓ **Extremely heavy rainfall** at isolated places over Coastal Karnataka on 20th May.
- ✓ **Very heavy rainfall** over Assam & Meghalaya, South Interior Karnataka during 18<sup>th</sup>-20<sup>th</sup> May. Sub-Himalayan West Bengal & Sikkim on 18<sup>th</sup> & 20<sup>th</sup>; Konkan, Coastal Karnataka, Konkan during 20<sup>th</sup> – 22<sup>nd</sup> and Madhya Maharashtra, Madhya Maharashtra on 21<sup>st</sup> & 22<sup>nd</sup>; over North Interior Karnataka during 19<sup>th</sup>-22<sup>nd</sup>; ghats area of Tamil Nadu on 20<sup>th</sup> May, 2025.

#### 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** over over Konkan & Goa during 20<sup>th</sup>-23<sup>rd</sup>; Madhya Maharashtra on 18<sup>th</sup> and during 20<sup>th</sup>-23<sup>rd</sup>; Marathawada on 18<sup>th</sup> & 20<sup>th</sup> May. Gangetic West Bengal, Odisha on 18<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 20<sup>th</sup>; Bihar during 18<sup>th</sup>-20<sup>th</sup>; Jharkhand, Vidarbha on 18<sup>th</sup> & 19<sup>th</sup>; Chhattisgarh during 20<sup>th</sup>-22<sup>nd</sup> May.
- ✓ **Isolated hailstorm** very likely over Himachal Pradesh on 19<sup>th</sup> and over Uttarakhand on 19<sup>th</sup> & 20<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 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 Jammu & Kashmir 18<sup>th</sup>; West Rajasthan during 18<sup>th</sup>-22<sup>nd</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 **West Bengal & Sikkim, Bihar, Konkan & Goa, Madhya Maharashtra, Tamil Nadu, Kerala, Karnataka, Rayalaseema, Arunachal Pradesh, Assam & Meghalaya, Tripura and Nagaland**, drain excess water and ensure proper drainage in fields with standing crops and vegetables.
- In **Himachal Pradesh and Uttarakhand**, 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.
- In **Jammu & Kashmir and Rajasthan**, apply light and frequent irrigation in the evening to protect standing crops, vegetables and orchards from the adverse effects of heat waves and high temperatures.

#### **Livestock / Poultry / Fishery**

- Keep the animals inside the shed during heavy rainfall 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

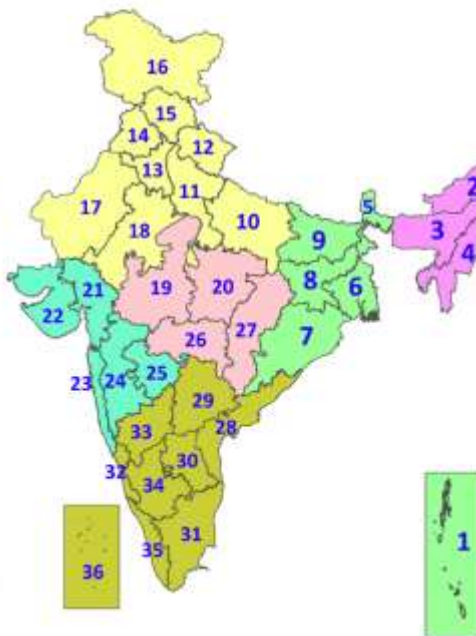
32. तटीय कर्नाटक

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.