



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 21<sup>st</sup> May, 2025

Time of Issue: 1400 hours IST

**Subject:** i) A Low pressure area is likely to form over Eastcentral Arabian Sea off North Karnataka-Goa coasts by today evening and is likely to move nearly northwards and intensify into a depression by tomorrow, the 22<sup>nd</sup> May, 2025.  
ii) Heavy to very heavy rainfall likely to continue over west coast (Gujarat, Konkan & Goa, Karnataka and Kerala) during next 6-7 days with extremely heavy falls (>20 cm) over Konkan & Goa and Coastal Karnataka on 21<sup>th</sup> May, 2025.  
iii) The conditions are likely to become favourable for Monsoon onset over Kerala during next 3-4 days.  
iv) Heat wave to severe wave conditions likely over Rajasthan during 21<sup>st</sup>-25<sup>th</sup> and heat wave conditions over Punjab, Haryana, Chandigarh & East Rajasthan during 21<sup>st</sup>-23<sup>rd</sup> May, 2025.

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

- ❖ Southwest Monsoon further advanced over some more parts of south Arabian Sea, Maldives & Comorin area; South Bay of Bengal; some more parts of central Bay of Bengal and some parts of northeast Bay of Bengal today, the 21<sup>st</sup> May 2025.
- ❖ **The Northern Limit of Monsoon passes through 5°N/60°E, 6°N/65°E, 7°N/70°E, 7°N/75°E, 10°N/81°E, 13°N/84.5°E, 16°N/88°E, 19.5°N/91°E and 23°N/95°E.**
- ❖ The conditions are likely to become favourable for Monsoon onset over Kerala during next 3-4 days.
- ❖ The conditions are also likely to become favourable for further advance of southwest Monsoon over some more parts of South Arabian Sea, remaining parts of Maldives and Comorin area; some parts of Lakshadweep area, Kerala, Tamil Nadu; some more parts South & Central Bay of Bengal, North Bay of Bengal and some parts of Northeastern states during the same period.

**Realised weather during past 24 hours till 0830 hours IST of today, the 21<sup>st</sup> May 2025 (Annexure II):**

- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 60-100 kmph prevailed at isolated places over Himachal Pradesh, Madhya Maharashtra, Marathawada, Jharkhand, Konkan & Goa, East Madhya Pradesh, Kerala & Mahe; with speed 30-60 kmph prevailed at isolated places over Vidarbha, Chhattisgarh, West Madhya Pradesh, Tamil Nadu, Gangetic West Bengal, East Uttar Pradesh, Punjab, West Uttar Pradesh, Haryana, Uttarakhand, Odisha, Bihar, Andaman & Nicobar Islands, Tamilnadu Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Telangana and Karnataka.
- ❖ **Heavy to very heavy rainfall with extremely heavy falls** has been recorded at isolated places over Assam & Meghalaya, Goa, Coastal Karnataka; **Heavy to very heavy rainfall** at isolated places over Sikkim, Tamilnadu, Kerala & Mahe; **Heavy rainfall** at isolated places over Tripura, Madhya Maharashtra, Marathawada, North Interior Karnataka.
- ❖ **Hailstorm** observed at isolated places over Himachal Pradesh, Uttarakhand, East Uttar Pradesh, East Madhya Pradesh and Chhattisgarh.
- ❖ **Heat wave to severe heat wave conditions** prevailed in isolated pockets of East Rajasthan; **Heat wave conditions** in isolated pockets of East Uttar Pradesh and West Rajasthan.
- ❖ **Warm night to severe warm night conditions** prevailed in isolated pockets of Rajasthan; **Warm night conditions** in isolated pockets of Haryana.

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):**

- ❖ An **upper air cyclonic circulation** extending upto mid-tropospheric levels lies over Eastcentral Arabian Sea off North Karnataka-Goa coasts at 0830 IST of today, the 21st May 2025. Under its influence, a low-pressure area is likely to form over the same region during next 12 hours. Thereafter, it is likely to move nearly northwards and intensify further into a **depression** during subsequent 36 hours.
- ❖ A **trough** runs from the cyclonic circulation over Eastcentral Arabian Sea off North Karnataka-Goa coasts to Coastal Andhra Pradesh in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Punjab & neighbourhood in lower tropospheric levels and an east-west **trough** runs from this **cyclonic circulation** to east Bangladesh in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over central Assam in lower tropospheric levels.

Under the influence of these systems, the following weather is likely:

**South peninsular India:**

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph with isolated heavy to very heavy rainfall** likely over Kerala, Coastal & South Interior Karnataka during 21<sup>st</sup>-27<sup>th</sup> May and **Extremely heavy rainfall** at isolated places over Coastal Karnataka on 21<sup>st</sup> May.
- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during next 5 days with **isolated heavy rainfall** likely over Tamil Nadu on 21<sup>st</sup>; Coastal Andhra Pradesh & Yanam, Rayalaseema & Telangana on 21<sup>st</sup>, 22<sup>nd</sup> & 27<sup>th</sup> and Lakshadweep on 23<sup>rd</sup> & 24<sup>th</sup> May.

**West India:**

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Konkan & Goa, Madhya Maharashtra, Marathawada during 21<sup>st</sup>-25<sup>th</sup> and **Scattered to Fairly widespread** rainfall over Gujarat State during 21<sup>st</sup> -25<sup>th</sup> May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Konkan & Goa, Gujarat State & Madhya Maharashtra during 21<sup>st</sup>-23<sup>rd</sup> and over Marathawada on 21<sup>st</sup> May.
- ✓ **Isolated Extremely heavy rainfall** very likely over Konkan & Goa on 21<sup>st</sup> May.
- ✓ **Isolated heavy to very heavy rainfall** very likely over Madhya Maharashtra during 21<sup>st</sup>-23<sup>rd</sup>; Konkan & Goa during 21<sup>st</sup>-24<sup>th</sup>; Gujarat State during 23<sup>rd</sup> -25<sup>th</sup> May and isolated **heavy rainfall** over Konkan & Goa, Gujarat State during 25<sup>th</sup> -27<sup>th</sup>; Madhya Maharashtra on 24<sup>th</sup> & 25<sup>th</sup>; Marathawada on 21<sup>st</sup> & 22<sup>nd</sup> May.

**Northeast India:**

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Northeast India during next 7 days with **Isolated heavy rainfall** over Assam & Meghalaya during 21<sup>st</sup> -27<sup>th</sup>; Nagaland, Manipur, Mizoram & Tripura during 21<sup>st</sup>-25<sup>th</sup>; Arunachal Pradesh during 23<sup>rd</sup>-25<sup>th</sup> and isolated **very heavy rainfall** also very likely over Assam & Meghalaya on 21<sup>st</sup> May.

**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 during 21<sup>st</sup>-24<sup>th</sup>; **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha & Bihar during 21<sup>st</sup>-25<sup>th</sup> May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over West Madhya Pradesh, Gangetic West Bengal, Jharkhand, Chhattisgarh on 21<sup>st</sup> & 22<sup>nd</sup>; Sub-Himalayan West Bengal & Sikkim on 22<sup>nd</sup> and Bihar on 23<sup>rd</sup> May.
- ✓ **Isolated heavy rainfall** likely over West Bengal & Sikkim on 22<sup>nd</sup>; Bihar on 21<sup>st</sup> & 23<sup>rd</sup>; Jharkhand on 21<sup>st</sup> & 22<sup>nd</sup>; Andaman & Nicobar Islands during 24<sup>th</sup>-27<sup>th</sup> with **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 21<sup>st</sup> May, 2025.

#### Northwest India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Uttarakhand during 21<sup>st</sup>-27<sup>th</sup>; **isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 27<sup>th</sup>; Himachal Pradesh during 21<sup>st</sup>-27<sup>th</sup>; Punjab, Haryana Chandigarh during 24<sup>th</sup> -27<sup>th</sup>; Uttar Pradesh & Rajasthan during 21<sup>st</sup> -27<sup>th</sup> May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Uttarakhand on 21<sup>st</sup> & Rajasthan, Himachal Pradesh on 24<sup>th</sup> & 25<sup>th</sup> and **Isolated hailstorm** over Uttarakhand & East Uttar Pradesh on 21<sup>st</sup>; Himachal Pradesh on 21<sup>st</sup> & 24<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** also likely over Uttarakhand on 23<sup>th</sup> & 24<sup>th</sup> May.
- ✓ **Duststorm (40-50 kmph)** also very likely over West Rajasthan on 22<sup>nd</sup> & 23<sup>rd</sup> May.

#### Maximum Temperature Forecast:

- ❖ No significant change in maximum temperatures likely over Northwest India during next 3 days and fall by 2-3°C over thereafter for subsequent 4 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 2 days and fall by 2-4°C over thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

#### Heat wave, Hot & Humid weather, Warm Night warnings:

- ❖ **Heat wave to severe heat wave conditions** in isolated pockets of West Rajasthan during 21<sup>st</sup>-23<sup>rd</sup> May.
- ❖ **Heat wave conditions** very likely in isolated pockets of Jammu-Kashmir, Punjab, Haryana Chandigarh & Delhi, East Rajasthan during 21<sup>st</sup>-23<sup>rd</sup>; West Rajasthan on 24<sup>th</sup> & 25<sup>th</sup>; south Uttar Pradesh & north Madhya Pradesh on 21<sup>st</sup> & 22<sup>nd</sup> May.
- ❖ **Hot & humid weather** is likely to prevail over Odisha on 21<sup>st</sup> & 22<sup>nd</sup> May.
- ❖ **Warm night conditions** very likely in few pockets of south Haryana on 21<sup>st</sup> & 22<sup>nd</sup>; in isolated pockets of Jammu- Kashmir on 21<sup>st</sup>; Punjab, West Rajasthan during 21<sup>st</sup>-23<sup>rd</sup> & south Haryana on 23<sup>th</sup> and East Rajasthan on 21<sup>st</sup> & 22<sup>nd</sup> May.

#### FISHERMEN WARNINGS (Graphics in Annexure VI)

(A) Eastcentral & southeast Arabian Sea and along & off Kerala, Karnataka, Konkan & Goa and adjoining south Gujarat coasts and Lakshadweep area

- ❖ Fishermen are advised not to venture into above mentioned areas during 21<sup>st</sup> – 26<sup>th</sup> May.
- ❖ Total suspension of fishing operations over eastcentral and adjoining northeast Arabian Sea during 25<sup>th</sup>-26<sup>th</sup> May.

(B) Fishermen are advised not to venture along & off the Somalia coast and adjoining southwest Arabian Sea during 21<sup>st</sup>-26<sup>th</sup> May.

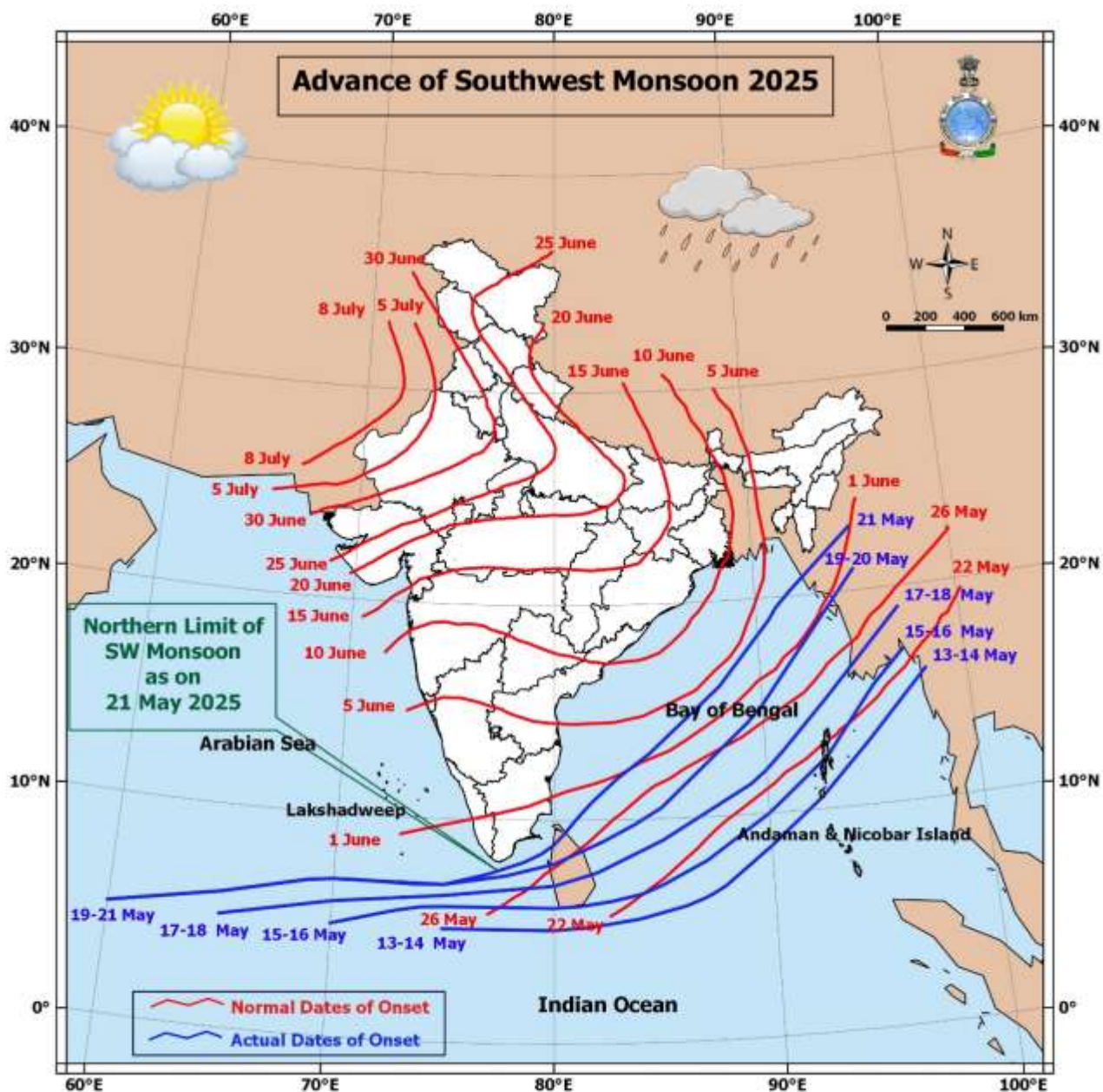
(C) Fishermen are advised not to venture along & off Andhra Pradesh coast & adjoining westcentral Bay of Bengal during 21<sup>st</sup>-26<sup>th</sup> May and over Andaman Sea on 26<sup>th</sup> May.

#### iv. Weather conditions and forecast over Delhi/NCR during 21<sup>st</sup> May to 24<sup>th</sup> May, 2025 (Annexure VII)

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

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

- ❖ **COASTAL KARNATAKA:** Udupi (dist Udupi) 29, Kota (dist Udupi) 24, Kumta (dist Uttara Kannada) 19, Panambur Obsy (dist Dakshina Kannada) 16, Gersoppa (dist Uttara Kannada) 16, Kundapur (dist Udupi) 16, Honavar Obsy (dist Uttara Kannada) 13, Manki (dist Uttara Kannada) 13, Siddapura (dist Udupi) 10, Mangaluru Ap Obsy (dist Dakshina Kannada) 10, Mundgod (dist Uttara Kannada) 10, Kadra (dist Uttara Kannada) 10, Mulki (dist Dakshina Kannada) 10, Mangaluru (dist Dakshina Kannada) 9, Karwar Obsy (dist Uttara Kannada) 9, Joida (dist Uttara Kannada) 7, Belthangadi (dist Dakshina Kannada) 7
- ❖ **Assam & Meghalaya:** Khliehriat (dist East Jaintia Hills) 22, Williamnagar (dist East Garo Hills) 11, Cherrapunji (dist East Khasi Hills) 8, Cherrapunji(rkm) (dist East Khasi Hills) 8, Mawkyrwat (dist South West Khasi Hills) 7, Mawsynram (dist East Khasi Hills) 7
- ❖ **Konkan & Goa:** Pernem (dist North Goa) 21, Mapusa (dist North Goa) 20, Dabolim N.a.s.- Navy (dist South Goa) 19, Quepem (dist South Goa) 17, Dodamarg (dist Sindhudurg) 14, Panjim - Imd Obsy (dist North Goa) 14, Mormugao - Pmo Imd (dist South Goa) 13, Sawantwadi (dist Sindhudurg) 13, Rameshwar\_agri (dist Sindhudurg) 12, Malvan (dist Sindhudurg) 11, Sanguem (dist South Goa) 11, Sangameshwar Devrukh (dist Ratnagiri) 9, Mulde\_ Agri (dist Sindhudurg) 9, Canacona (dist South Goa) 9, Ratnagiri - Imd Obsy (dist Ratnagiri) 9, Roha (dist Raigad) 8, Kudal (dist Sindhudurg) 7, Ponda (dist North Goa) 7, Murud (dist Raigad) 7, Khalapur (dist Raigad) 7, Mangaon (dist Raigad) 7, Shriwardhan (dist Raigad) 7;
- ❖ **TAMILNADU, PUDUCHERRY & KARAİKAL:** Arcot (dist Ranipet) 15, Arakonam (dist Ranipet) 12, Keelpennathur (dist Tiruvannamalai), Vembakkam (dist Tiruvannamalai), Palar Anicut (dist Ranipet), Tiruttani (dist Tiruvallur) 10 each, Ranipet (dist Ranipet), Red Hills (dist Tiruvallur) 8 each;
- ❖ **KERALA & MAHE:** Taliparamba (dist Cannur) 15, Hosdurg (dist Kasargod) 13, Kannur (dist Cannur) 12, Mahe (dist Mahe) 10;
- ❖ Sub Himalaya West Bengal & Sikkim: Mangan (dist Mangan) 14, Singhik (dist Mangan) 10, Tadong (dist Gangtok) 9, Rongo (dist Kalimpong) 8, Maynaguri College (dist Jalpaiguri) 7, Chalouni Tea Estate (dist Jalpaiguri) 7, Gangtok (dist Gangtok) 7;
- ❖ **MADHYA MAHARASHTRA:** Chinchwad - Arg (dist Pune) 10, Nda Pune -Arg (dist Pune) 7, Ambegaon Ghodegaon (dist Pune) 7, Lonavala\_agri (dist Pune) 6, Velhe (dist Pune) 6, Satara - Imd Obsy (dist Satara) 6, Paud Mulshi (dist Pune) 6;
- ❖ **NORTH INTERIOR KARNATAKA:** Kalghatgi (dist Dharwad) 7, Bidar (dist Bidar) 5, Bidar Pto (dist Bidar) 5, Kudalasangama (dist Bagalkote) 5;
- ❖ **TELANGANA:** Sadasivanagar (dist Kamareddy) 9, Dhar Palle (dist Nizamabad) 7, Mahbubnagar (dist Mahabubnagar) 7;
- ❖ **MARATHWADA:** Renapur (dist Latur) 9, Chakur (dist Latur) 7;
- ❖ Tripura: Ashapara Aws (dist North Tripura) 9, Belonia (dist South Tripura) 9, Belonia Arg (dist South Tripura) 9, Teliamura\_arg (dist Khowai) 9

**Realised Gusty Winds (KMPH) during past 24hours ending at 0300 UTC of today i.e. 21.05.2025;**

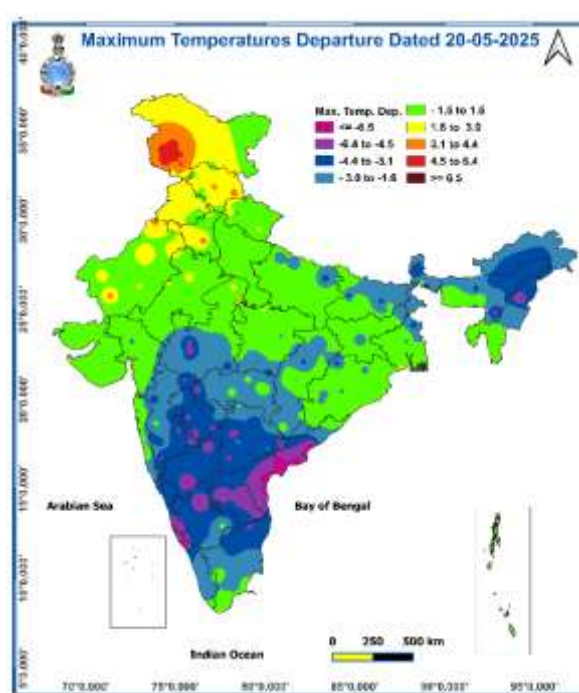
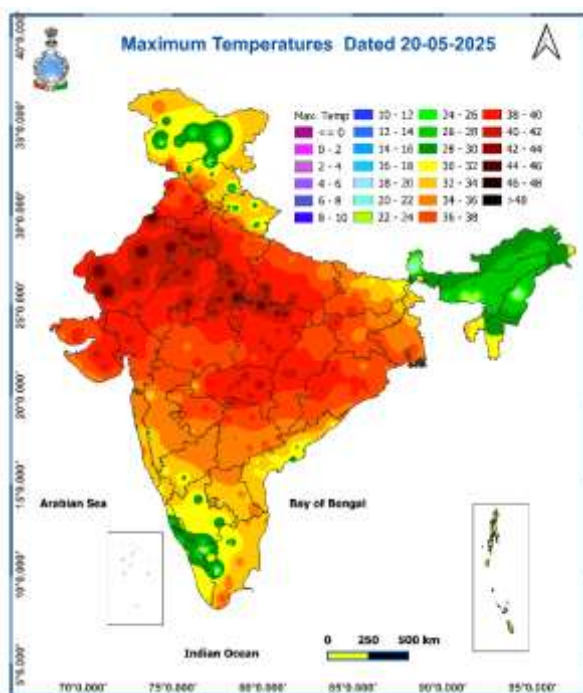
- ❖ **Himachal Pradesh:** Kufri 96, Shimla 59, Hamirpur\_Neri 48;
- ❖ **Madhya Maharashtra:** Baramati (Pune) 78, Cagmo Pune 59, Jalgaon 50, Khutbhav-Dhaund (Pune) 57, Satara 54;
- ❖ **Marathawada:** Ambejogai (Beed) 74, Chh. Sambhaji Nagar 48, Jalna 57, Tondapur\_AWS400(Hingoli) 54;
- ❖ **Jharkhand:** Jamtara 74, Ranchi 54;
- ❖ **Konkan:** Dapoli (Ratnagiri) 74, Devgad-Sindhudurg 50, Mumbai 27;
- ❖ **East Madhya Pradesh:** Sagar 69;
- ❖ **Vidarbha:** Wardha 59;
- ❖ **Chhattisgarh:** Balod 56;
- ❖ **West Madhya Pradesh:** Bhopal 51;
- ❖ **Tamilnadu Puducherry & Karaikal:** Tiruttani 50, Natham 43, Tenkasi 41, Coimbatore 41, Tiruppur\_Collector\_Office 41;
- ❖ **Gangetic West Bengal:** Purulia 48, Raidighi 46, Barrackpore 43, Alipore 35, Uluberia 39, Asansol, Durgapur, Canning, Dum Dum 37 each, Amta 35, Digha 33, Agarpura, Berhampore, Gangasagar, Sonarpur 30 each;
- ❖ **East Uttar Pradesh:** Prayagraj (IAF) 46, Ayodhya AP)-46, Bahraich\_AMFU (AWS) 41, Hardoi (AWS) 41, Kushinagar (AP) 37, Lucknow (AP) 33;
- ❖ **Punjab:** Faridkot 46;
- ❖ **West Uttar Pradesh:** Bareilly (IAF) 45;
- ❖ **Haryana:** Gurugram 44;
- ❖ **Uttarakhand:** Jollygrant 42;
- ❖ **Odisha:** Mayurbhanj 41;
- ❖ **Bihar:** Katihar 39;
- ❖ **Andaman & Nicobar Islands:** Sri Vijayapuram 30;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Kalashiv 53;
- ❖ **Assam:** Algaipur 37

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

- ❖ Yesterday, Maximum Temperatures were in the range of 40-46°C in many parts of Rajasthan, Punjab, East Madhya Pradesh; in a few parts of Vidarbha, West Madhya Pradesh, Haryana-Chandigarh-Delhi, Chhattisgarh, Gujarat state; in isolated parts of Uttar Pradesh, Odisha, Jharkhand, Rayalaseema; in the range 36-40°C in few parts of Marathwada; in isolated parts of Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra and they were less than 36°C elsewhere over remaining parts of the country. Yesterday, the highest maximum temperature of 46.6°C was reported at **Banda (East Uttar Pradesh)** over the country.
- ❖ Yesterday, Maximum Temperature were markedly above normal (>5.1°C) 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, West Rajasthan. above normal (1.6°C to 3.0°C) at Isolated places over Punjab, West Madhya Pradesh, Uttarakhand, Odisha, East Rajasthan. near normal (-1.5°C to 1.5°C) at Many places over Madhya Maharashtra, Konkan & Goa, Marathwada, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Kerala & Mahe, Rayalaseema; at a few places over Tamil Nadu, Puducherry & Karaikal, East Uttar Pradesh, Gangetic West Bengal, Assam & Meghalaya, Jharkhand; at Isolated places over Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Interior Karnataka. (Fig. 2).

Fig. 1: Maximum Temperatures

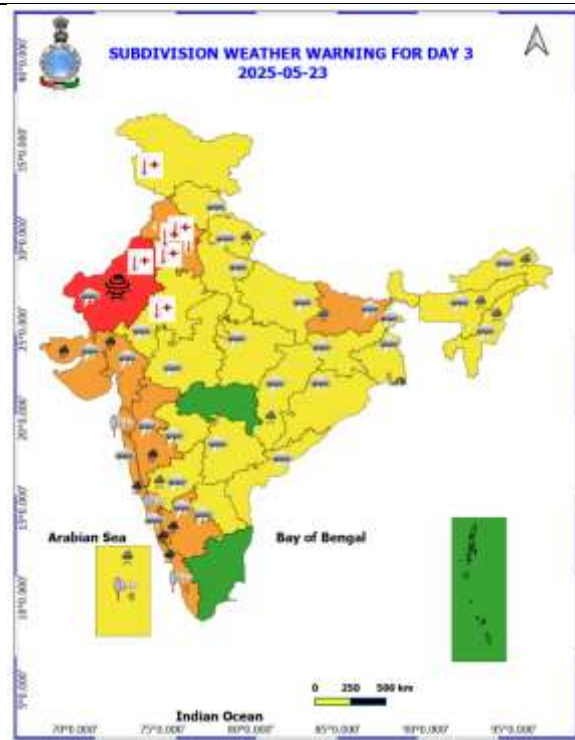
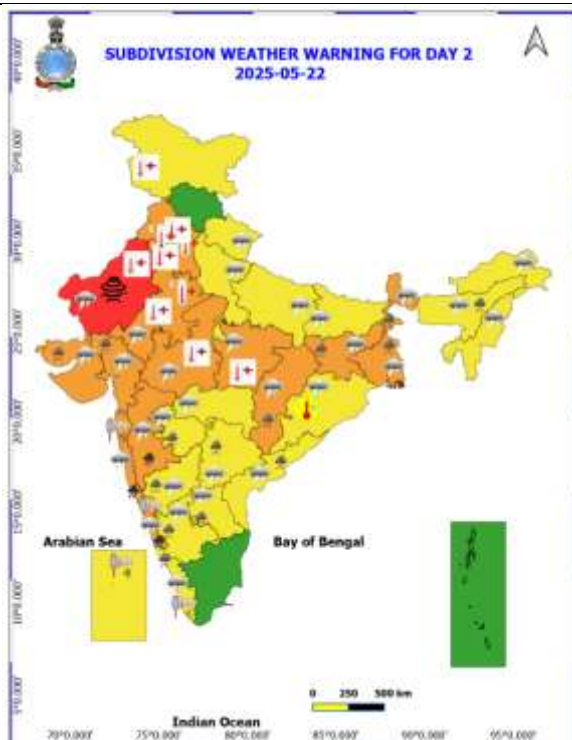
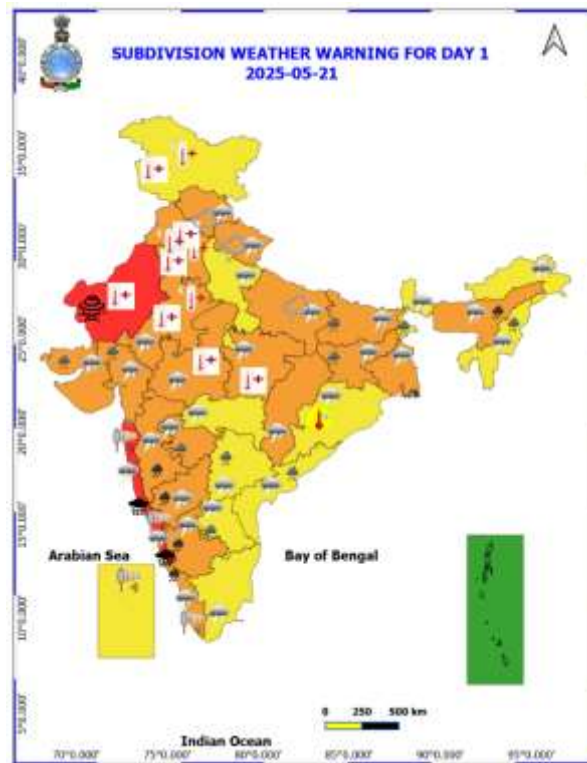
Fig. 2: Departure of Maximum Temperatures

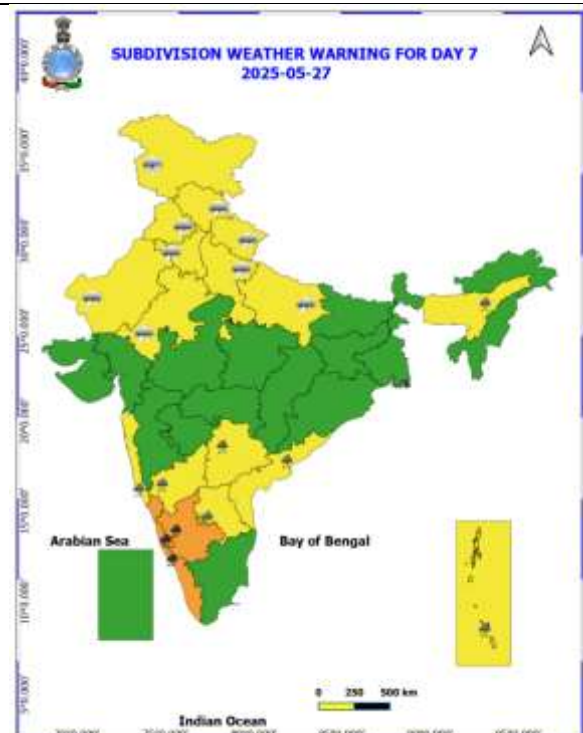
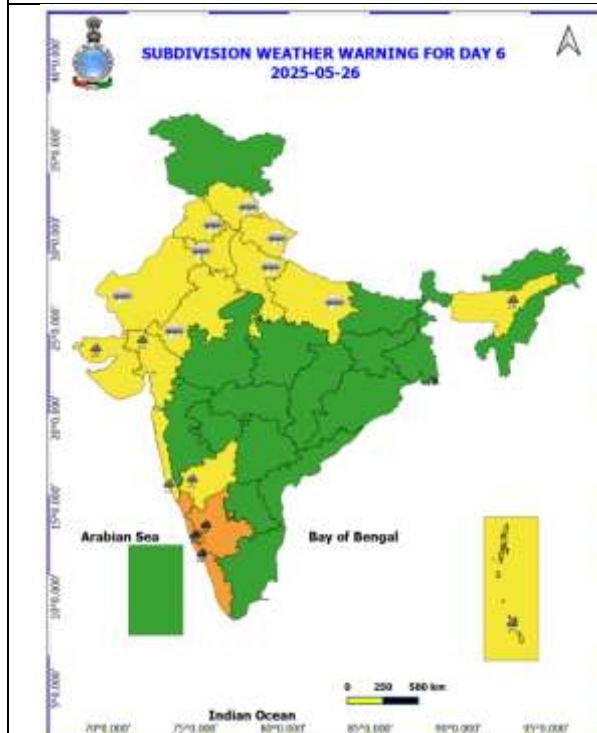
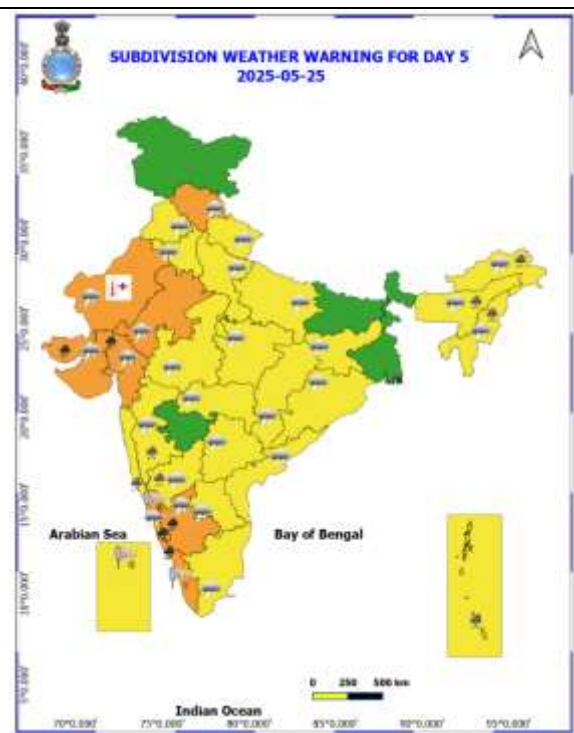
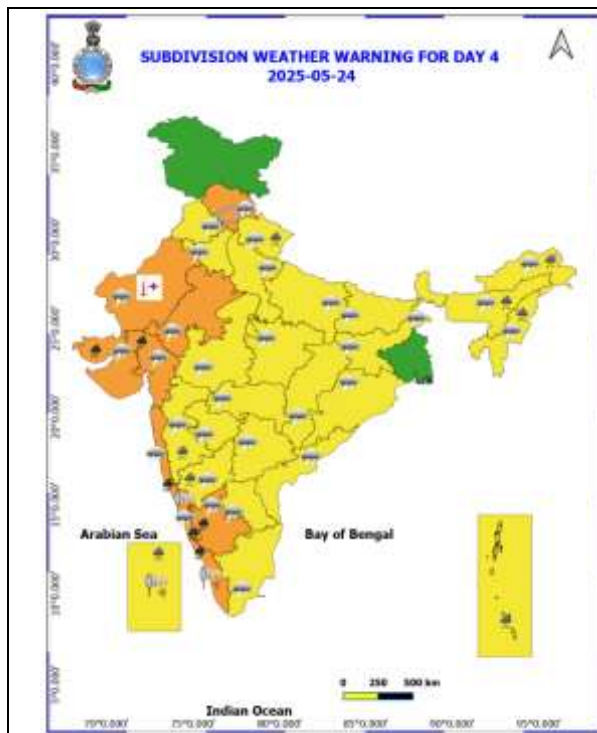


7 Days Rainfall Forecast								
S. No.	Subdivision	21-May	22-May	23-May	24-May	25-May	26-May	27-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	WS	WS	FWS	FWS	WS	WS	WS
4	NAGALAND, MANIPUR,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

- As the lead period increases forecast accuracy decreases.





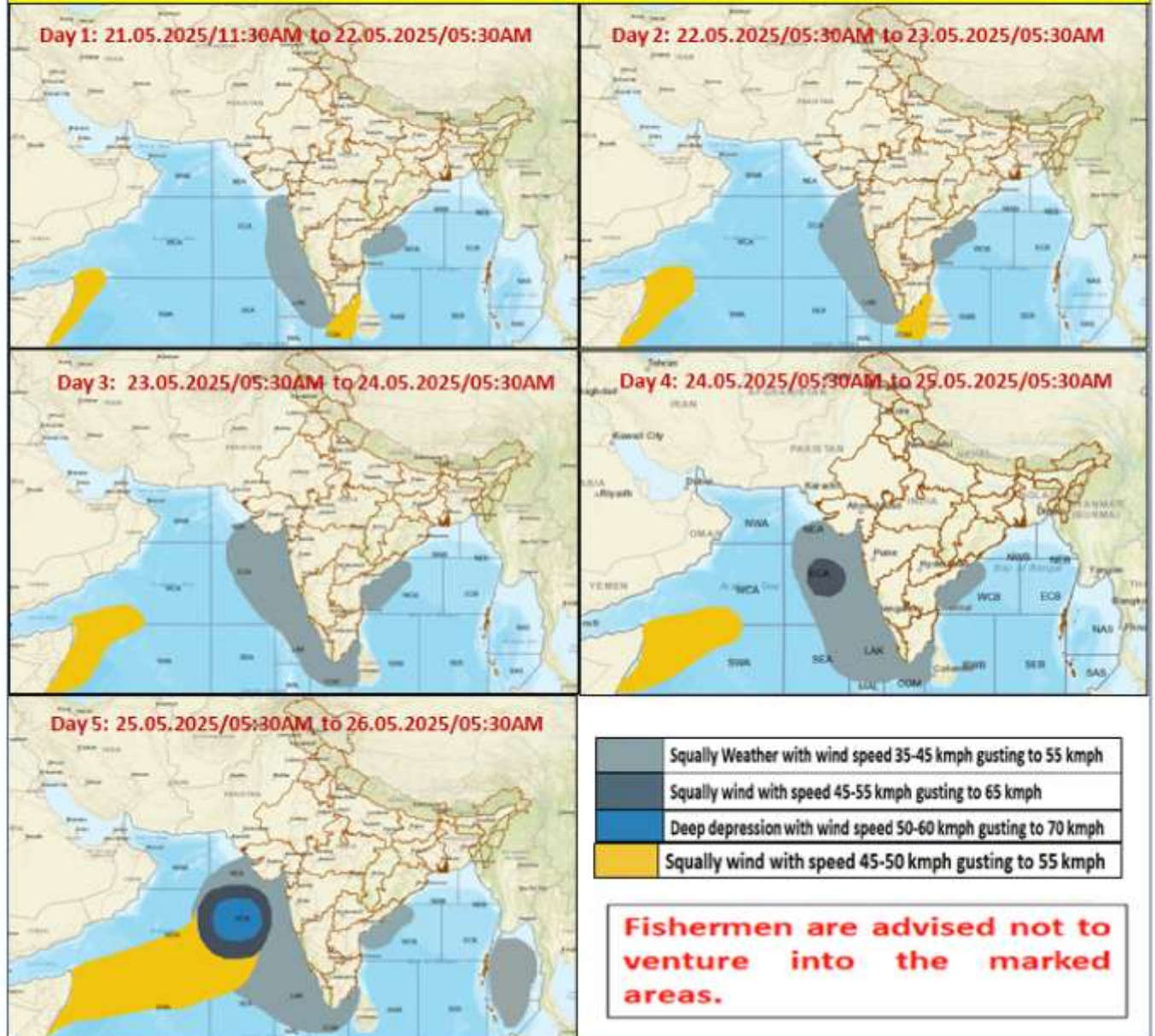


- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

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



### Fishermen Warning Graphics



**Weather forecast over Delhi/NCR during 21<sup>th</sup> to 24<sup>th</sup> May 2025****Past Weather:**

There has been rise in minimum temperature up to 02°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 41 to 42°C and 28 to 30°C respectively. The minimum temperature was above normal up to 01 - 04°C and the maximum temperature was above normal up to 01°C at most places over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the southeast direction with wind speeds less than 16 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 12 kmph from the southeast direction prevailed over the region in the forenoon today.

**Weather Forecast:**

**21.05.2025:** Partly cloudy sky. Thundery development with dust raising winds towards evening. 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 winds towards evening/night. The maximum temperatures over Delhi are likely to be in the range of 40 to 42°C. The maximum temperature will be near normal. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 20 kmph till evening. It would decrease becoming less than 12 kmph from the northeast direction during the night.

**22.05.2025:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 38 to 40°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 below normal up to 01 - 02°C. The predominant surface wind will likely be from the northeast direction with a wind speed of 10-15 kmph during morning hours. The wind speed will gradually increase becoming 16-20 kmph from the southeast direction in the afternoon. It will increase becoming less than 22 kmph from the southeast direction during evening and night.

**23.05.2025:** 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 winds towards evening/night. 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 southeast direction with a wind speed of less than 20 kmph during the morning hours. The wind speed will gradually decrease becoming 10-15 kmph from the southeast direction in the afternoon. It will increase becoming less than 25 kmph from the southeast direction during evening and night.

**24.05.2025:** 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 winds towards evening/night. The maximum and minimum temperatures over Delhi are likely to be in the range of 37 to 39°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 - 03°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 20 kmph during the morning hours. The wind speed will gradually decrease becoming 10-15 kmph from the southeast direction in the afternoon. It will increase becoming less than 20 kmph from the east 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 Extremely and heavy to very heavy rainfall over (For Red & Orange colour warning areas of Peninsular India & Maharashtra)**

- ✓ **Extremely heavy rainfall** at isolated places over Coastal Karnataka & Konkan & Goa on 21<sup>st</sup> May.
- ✓ **Isolated very heavy rainfall** over Kerala, Coastal & South Interior Karnataka during 21<sup>st</sup>-27<sup>th</sup>; Madhya Maharashtra during 21<sup>st</sup>-23<sup>rd</sup>; Konkan & Goa during 21<sup>st</sup>-24<sup>th</sup>; Gujarat State during 23<sup>rd</sup> -25<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** over Konkan & Goa, Gujarat State & Madhya Maharashtra during 21<sup>st</sup>-23<sup>rd</sup> and over Marathawada on 21<sup>st</sup>; West Madhya Pradesh, Gangetic West Bengal, Jharkhand, Chhattisgarh on 21<sup>st</sup> & 22<sup>nd</sup>; Sub-Himalayan West Bengal & Sikkim on 22<sup>nd</sup>; Bihar on 23<sup>rd</sup>; Uttarakhand on 21<sup>st</sup>; Rajasthan, Himachal Pradesh on 24<sup>th</sup> & 25<sup>th</sup> May.
- ✓ **Isolated hailstorm** over Uttarakhand & East Uttar Pradesh on 21<sup>st</sup>; Himachal Pradesh on 21<sup>st</sup> & 24<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 to severe heat wave conditions** in isolated pockets of West Rajasthan during 21<sup>st</sup>-23<sup>rd</sup> May; **Heat wave conditions** in isolated pockets of Jammu-Kashmir, Punjab, Haryana Chandigarh & Delhi, East Rajasthan during 21<sup>st</sup>-23<sup>rd</sup>; West Rajasthan on 24<sup>th</sup> & 25<sup>th</sup>; south Uttar Pradesh & north Madhya Pradesh on 21<sup>st</sup> & 22<sup>nd</sup> May.

### **Orange alert Areas**

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

### **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 / Hailstorms / Gusty Winds / Heat Wave**

- In **Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, Jharkhand, Bihar, Chhattisgarh, Konkan & Goa, Madhya Maharashtra, Marathwada, Gujrat, Tamil Nadu, Kerala, Karnataka, Andhra Pradesh and Telangana**, drain out excess water and ensure proper drainage in fields with standing crops and vegetables.
- In **Uttarakhand and East Uttar 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.
- In **Jammu & Kashmir, Punjab, Haryana, South Uttar Pradesh, Rajasthan and North Madhya Pradesh**, 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 / 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.

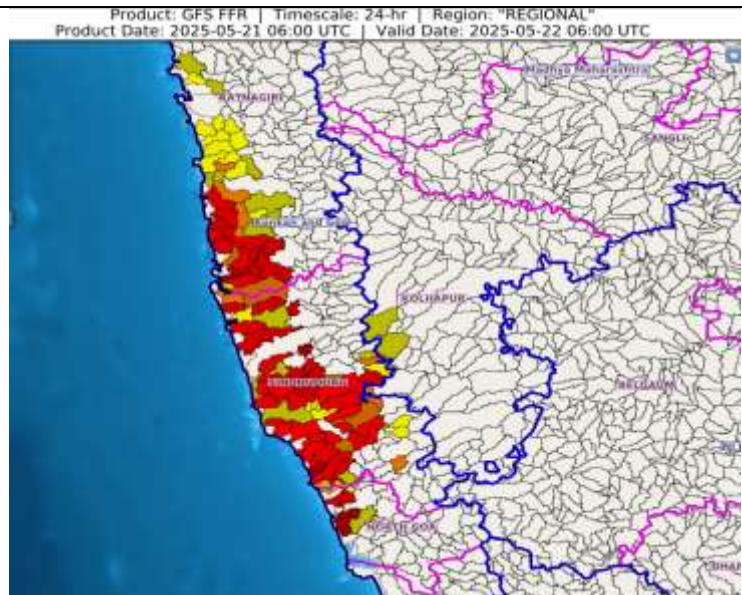
## Flash Flood Guidance:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 22-05-2025:

Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Konkan & Goa - North Goa, Ratnagiri and Sindhudurg districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



### 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

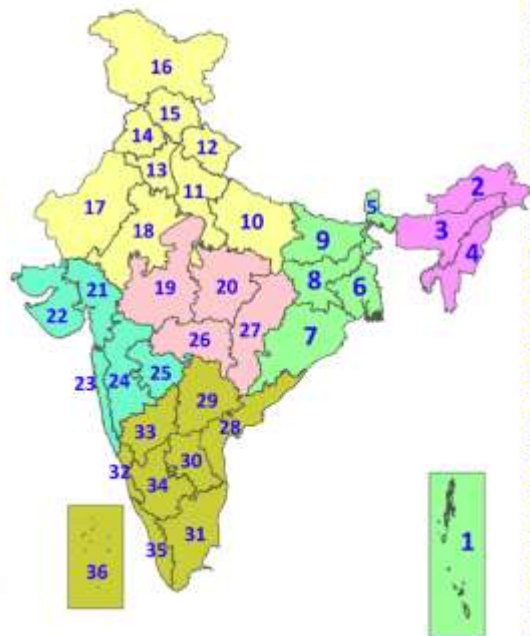
32. तटीय कर्नाटक

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.