



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 19th May, 2025

Time of Issue: 1430 hours IST

Subject: i) Heavy to very heavy Rainfall over west coast (Karnataka, Konkan & Goa and Kerala) and adjoining Peninsular India during 19th-25th May with extremely heavy falls over Karnataka on 20th & 21st and Konkan on 21st May.
ii) Heavy to very heavy rainfall accompanied with thunderstorms & lightning likely over Northeast India and over Sub-Himalayan West Bengal & Sikkim during next 4 days.
iii) Heat wave conditions likely over West Rajasthan during 19th-23rd and Haryana & East Rajasthan during 19th-21st 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 19th 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, 8°N/80°E, 10.5°N/85°E, 15°N/90°E and 21°N/95°E.
- ❖ Conditions are favourable for further advance of southwest Monsoon over some more parts of south Arabian Sea, remaining parts of Maldives & Comorin area; some more parts of South Bay of Bengal; some more parts of central Bay of Bengal, and some more parts of northeast Bay of Bengal during next 2-3 days.

Realised weather during past 24 hours till 0830 hours IST of today, the 19th May 2025 (Annexure II):

- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 60-100 kmph prevailed at isolated places over Jharkhand, Jammu-Kashmir, West Madhya Pradesh, Madhya Maharashtra, Tamilnadu Puducherry & Karaikal; with speed 40-60 kmph prevailed at isolated places over Assam & Meghalaya, Gangetic West Bengal, Bihar, Himachal Pradesh, East Madhya Pradesh, Vidarbha, Marathawada, Rayalaseema.
- ❖ **Heavy to very heavy rainfall** has been recorded at isolated places over Sub-Himalayan West Bengal, Bihar, Tamil Nadu, South Interior Karnataka; **Heavy rainfall** at isolated places over Uttarakhand, Assam, Kerala, North Interior Karnataka, Coastal Andhra Pradesh, Telangana, Rayalaseema, Goa, Madhya Maharashtra, Marathawada.
- ❖ **Hailstorm** observed at isolated places over Himachal Pradesh and West Madhya Pradesh.
- ❖ **Heat wave to severe Heat wave conditions** prevailed in isolated pockets of Jammu Division and **Heat wave conditions** at isolated pockets of West Rajasthan.
- ❖ **Warm night conditions** prevailed in isolated pockets of Rajasthan.

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):

- ❖ A **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along Long. 72°E to the north of Lat. 32°N.
- ❖ An **upper air cyclonic circulation** lies over south Haryana & adjoining northeast Rajasthan and a **trough** runs from central parts of Punjab to central parts of Madhya Pradesh across above cyclonic circulation over south Haryana & adjoining northeast Rajasthan in lower tropospheric levels.
- ❖ An east-west **trough** runs from Punjab to north Bangladesh across Haryana, Uttar Pradesh, Bihar & Sub-Himalayan West Bengal in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over central Assam in lower tropospheric levels.
- ❖ A **trough** in westerlies runs roughly along Long. 91°E to the north of Lat. 23°N in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Madhya Maharashtra and a **trough** from this cyclonic circulation to Rayalaseema in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over westcentral Bay & adjoining southwest Bay of Bengal and a **trough** runs from southeast Bay of Bengal to North Interior Karnataka across the above cyclonic circulation over westcentral Bay & adjoining southwest Bay of Bengal, south Coastal Andhra Pradesh, Rayalaseema in lower & middle 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 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 to very heavy rainfall** likely over Tamilnadu Puducherry & Karaikal on 19th & 20th; Kerala & Mahe, Karnataka during 19th-25th; Lakshadweep on 19th; Rayalaseema during 19th-21st; Coastal Andhra Pradesh & Yanam, Telangana on 19th & 20th May.
- ✓ **Extremely heavy rainfall** at isolated places over Karnataka on 20th & 21st May.

West India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Konkan & Goa, Madhya Maharashtra during next 7 days and isolated to scattered rainfall over Gujarat State, Marathawada during 22nd-24th may.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Konkan & Goa, Madhya Maharashtra during 19th-23rd and Marathawada during 19th-21st May.
- ✓ **Isolated heavy to very heavy rainfall** very likely over south Madhya Maharashtra, Konkan & Goa during 19th-25th May and isolated heavy rainfall over Marathawada during 19th-21st May.
- ✓ **Extremely heavy rainfall** very likely at isolated places over Konkan on 21st May.

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 on 20th; Assam & Meghalaya during 19th-22nd, Mizoram & Tripura on 19th & 20th with isolated **very heavy rainfall** over Assam & Meghalaya on 19th & 20th May.

East & Central India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-60 kmph** likely over West Bengal & Sikkim, Jharkhand, Andaman & Nicobar Islands during next 7 days and Bihar during 19th-21st; **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha during next 7 days.

- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Gangetic West Bengal on 19th; Sub-Himalayan West Bengal & Sikkim on 20th; Bihar during 19th-21st; Jharkhand on 19th & 20th; Chhattisgarh on 21st May.
- ✓ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim, Bihar during 19th-22nd; Jharkhand on 19th & 20th; with **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 20th 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 on 19th; Himachal Pradesh on 19th & 20th and Uttarakhand 19th, 20th & during 23rd-25th May.
- ✓ Isolated light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over plains of Northwest India on 19th & during 23rd-25th May.
- ✓ **Isolated hailstorm** very likely over Himachal Pradesh on 19th and over Uttarakhand on 19th & 20th May.
- ✓ **Isolated heavy rainfall** likely over Uttarakhand during 23rd-25th May.
- ✓ **Duststorm (40-50 kmph)** very likely over West Rajasthan during 19th-22nd and Haryana & Punjab on 19th May.

Maximum Temperature Forecast:

- ❖ No significant change in maximum temperatures likely over Central 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 rest parts of the country.

Heat wave and Hot & Humid weather warning:

- ❖ **Heat wave conditions** very likely in isolated pockets of West Rajasthan during 19th-24th; East Rajasthan during 19th-22nd and Haryana during 19th-21st May.
- ❖ **Hot & humid weather** is likely to prevail over Odisha on 19th & 20th May.
- ❖ **Warm night conditions** very likely in isolated pockets of Haryana and Rajasthan during 19th-21st May.

FISHERMEN WARNING:

DAY 1 (19TH MAY TO 20TH MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail western parts of Westcentral Arabian Sea, along and off Oman coast, over Gulf of Mannar and adjoining Comorin area, along and off South Sri Lanka coast.

Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off south Konkan, Goa coasts, along and off Kerala, Karnataka coasts & adjoining Lakshadweep area, along and off south Andhra Pradesh, Tamil Nadu coasts, over northern parts of southwest Bay of Bengal and adjoining westcentral Bay of Bengal.

DAY 2 (20TH MAY TO 21ST MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail western parts of Westcentral Arabian Sea, along and off Oman coast, along and off Somalia coast, over Gulf of Mannar and adjoining Comorin area, along and off South Sri Lanka coast.

Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off south Konkan, Goa coasts, along and off Kerala, Karnataka coasts and adjoining Lakshadweep area.

DAY 3 (21ST MAY TO 22ND MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off Somalia coast & adjoining southwest Arabian Sea, over Gulf of Mannar and adjoining Comorin area, along and off South Sri Lanka coast.

Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off Konkan, Goa coasts, along and off Kerala, Karnataka coasts and adjoining Lakshadweep area.

DAY 4 (22ND MAY TO 23RD MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off Somalia coast & adjoining parts of southwest Arabian Sea, over Gulf of Mannar and adjoining Comorin area, along and off South Sri Lanka coast.

Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off Konkan, Goa coasts, along and off Kerala, Karnataka coasts and adjoining Lakshadweep area.

DAY 5 (23RD MAY TO 24TH MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off Somalia coast & adjoining parts of southwest Arabian Sea, over Gulf of Mannar and adjoining

Comorin area. Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off south Gujarat, Konkan, Goa coasts, along and off Kerala, Karnataka coasts and adjoining Lakshadweep area.

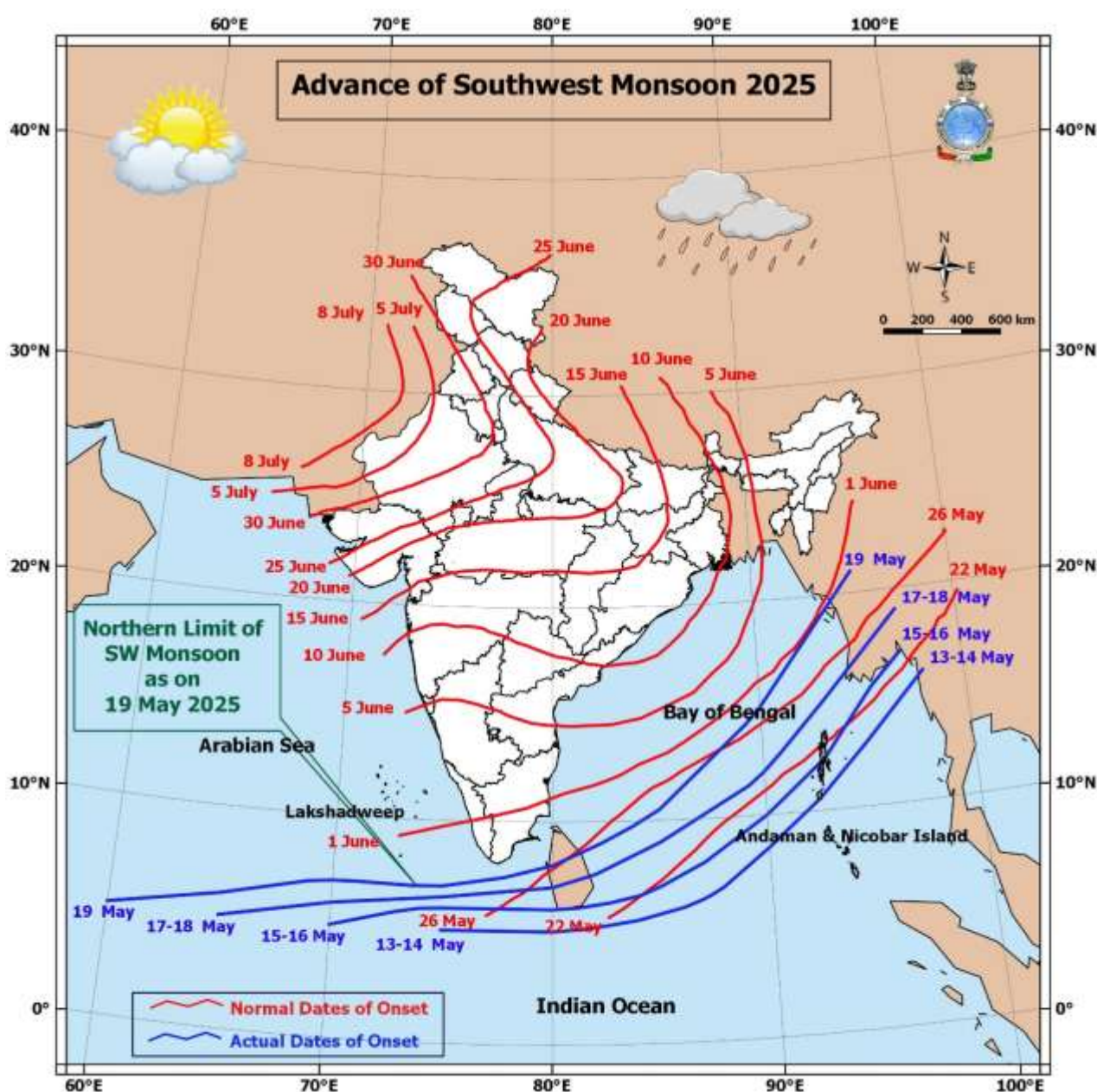
iv. Weather conditions and forecast over Delhi/NCR during 19th May to 22nd May, 2025 (Annexure VI)

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>

ANNEXURE I



Significant weather reported during past 24 hours till 0830 hours IST of today:

- ❖ **Light/moderate Rainfall with thunderstorm & lightning** observed **at most places over** Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Tamilnadu Puducherry & Karaikal, Interior Karnataka, Rayalaseema; **at many places** over Andaman & Nicobar Islands, Jharkhand, Gangetic West Bengal, Bihar, Arunachal Pradesh, Himachal Pradesh, Kerala & Mahe, Lakshadweep, Coastal Karnataka, Coastal Andhra Pradesh & Yanam; **at a few places** over Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Uttarakhand, Telangana; **at isolated places** over Odisha, Konkan & Goa, Marathwada, East Uttar Pradesh, East Rajasthan,, Punjab, Haryana, Madhya Pradesh, Vidarbha, Chhattisgarh.

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

- ❖ **Sub Himalayan West Bengal & Sikkim:** Raiganj PTO (dist North Dinajpur) 19;
- ❖ **Bihar:** Dhenraghat (dist Purnea) 16; Narpaganj (dist Araria) 14; Forbesganj (dist Araria) 12; Kasba (dist Purnea) 10; Kishanganj (dist Kishanganj), Jalalgarh (dist Purnea), Dagarua (dist Purnea) 9 Each; Araria (dist Araria), Raniganj (dist Araria), Baisa (dist Purnea) 8 Each; Barsoi (dist Katihar), Srinagar (dist Purnea) 7 Each;
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Dscl Rishivandhiyam (dist Kallakurichi) 14; Dscl Kalayanallur (dist Kallakurichi) 13; Namakkal (dist Namakkal), Rasipuram (dist Namakkal), Tiruvaiyaru (dist Thanjavur), Pullambadi (dist Trichy), Annamalai Nagar (dist Cuddalore), Dscl Thiyyagadurgam (dist Kallakurichi) 12 Each; Rameswaram (dist Ramanathapuram), Vepur (dist Cuddalore), Lalpet (dist Cuddalore), Basl Manalurpet (dist Kallakurichi), Kallakudi (dist Trichy) 11 Each;
- ❖ **Telangana:** Makthal (dist Narayanpet) 11; Narva (dist Narayanpet) 8;
- ❖ **Marathwada:** Renapur (dist Latur) 10;
- ❖ **South Interior Karnataka:** Bengaluru City (dist Bengaluru Urban) 10; Chamarajanagar (dist Chamarajanagar) 9; Kanakapura (dist Ramanagara), Bengaluru HAL AP (dist Bengaluru Urban) 8 Each; T G Halli HMS (dist Bengaluru Urban) 7;
- ❖ **Assam & Meghalaya:** Dhubri CWC (dist Dhubri) 10; Bajali AWS (dist Bajali) 9; Manash Nh Xing (dist Barpeta), Tikrikilla (dist West Garo Hills) 8 Each; Barpeta (dist Barpeta), Nongstein (dist West Khasi Hills), Hatsingimari ARG (dist South Salmara) 7 Each;
- ❖ **Madhya Maharashtra:** Dhule (dist Dhule), Sankh (dist Sangli) 9 Each;
- ❖ **Rayalaseema:** Palamaner (dist Chittoor) 7;
- ❖ **Kerala & Mahe:** Konni (dist Pathanamthitta) 7;
- ❖ **Konkan & Goa:** Mormugao - Pmo IMD (dist South Goa) 7;
- ❖ **Uttarakhand:** Berinag (dist Pithoragarh) 7.

Realised Gusty Winds (KMPH) during past 24hours ending at 0300 UTC of today i.e. 19.05.2025;

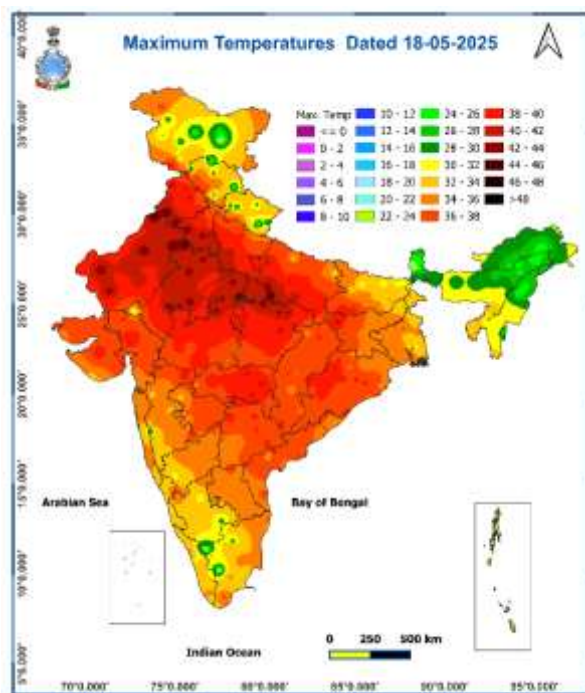
- ❖ **Jharkhand:** Simdega (96); Ranchi (85); Palamu (63)
- ❖ **Jammu-Kashmir:**
RAMBAN=81,SRINAGAR=75,BARAMUA=68,SHOPIAN=63,JAMMU(CHATA)=55,SAMBA=52,KATHUA=41,POONCH=48,KUPWARA=45
- ❖ **Tamil Nadu:** NATHAM_ISRO(70 Kmph), COIMBATORE_AMFU(44 Kmph), TIRUPPUR_Collector_Office(41 Kmph), ADUTHURAI_AMFU(43 Kmph), TIRUTTANI_PTO_ISRO(46 Kmph)
- ❖ **Gangetic West Bengal:** Raidighi, Dum Dum, Barrackpore (48); Nimpith (44); Amta (39); Canning (35); Purulia (33); Durgapur, Sonarpur (31); Gangasagar, Uluberia (30);
- ❖ **Madhya Maharashtra:** Cagmo PUNE(43 Kmph), Dhule(59 Kmph, Jalgaon (63 Kmph), Kalwan(NASHIK)(50 Kmph)
- ❖ **Marathwada:** Ambejogai(BEED) (56 Kmph), Tondapur_Aws400(HINGOLI) (48 Kmph)
- ❖ **Bihar:** Aurangabad (48)
- ❖ **Assam & Meghalaya:** MAWKRWAT-56,SRIBHUMI=40
- ❖ **West Madhya Pradesh:** (sehere 70, khandwa 39)
- ❖ **Vidarbha:** yavatmal 43 kmph
- ❖ **East Madhya Pradesh:** (singraouli 40, sagar 37)
- ❖ **Punjab:** MOHALI 46 JALANDHAR 44
- ❖ **Haryana:** GURUGRAM AWS 57
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** DHALAI=44

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, Punjab; in many parts of East Madhya Pradesh; in a few parts of East Uttar Pradesh, West Madhya Pradesh, Haryana-Chandigarh-Delhi; in isolated parts of West Uttar Pradesh, Vidarbha, Odisha, Saurashtra & Kutch; in the range 36-40°C in most parts of Telangana; in many parts of Coastal Andhra Pradesh & Yanam, Chhattisgarh; in a few parts of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Gujarat Region, Marathwada; in isolated parts of Bihar, Gangetic West Bengal, Madhya Maharashtra, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal 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 **Suratgarh (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 few places over Punjab, Haryana, Rajasthan; at isolated places over Uttar Pradesh. These were **markedly above normal (> 5.1°C)** at many places over Arunachal Pradesh, Assam & Meghalaya; at isolated places over Madhya Pradesh, Chhattisgarh, Vidarbha, Madhya Maharashtra, Marathwada, North Interior Karnataka, Rayalaseema, Telangana; **appreciably below normal (-3.1°C to -5.0°C)** at a few places Coastal Andhra Pradesh & Yanam, Bihar, South Interior Karnataka; at isolated places over Bihar, Gangetic West Bengal, Gujarat Region, Tamil Nadu, Puducherry & Karaikal; **below normal (-1.6°C to -3.0°C)** at many places over Sub-Himalayan West Bengal & Sikkim, Coastal Karnataka; at a few places over Konkan & Goa, Odisha, Nagaland, Manipur, Mizoram & Tripura; at isolated place over West Uttar Pradesh and normal over rest parts of the country. (Fig. 2).

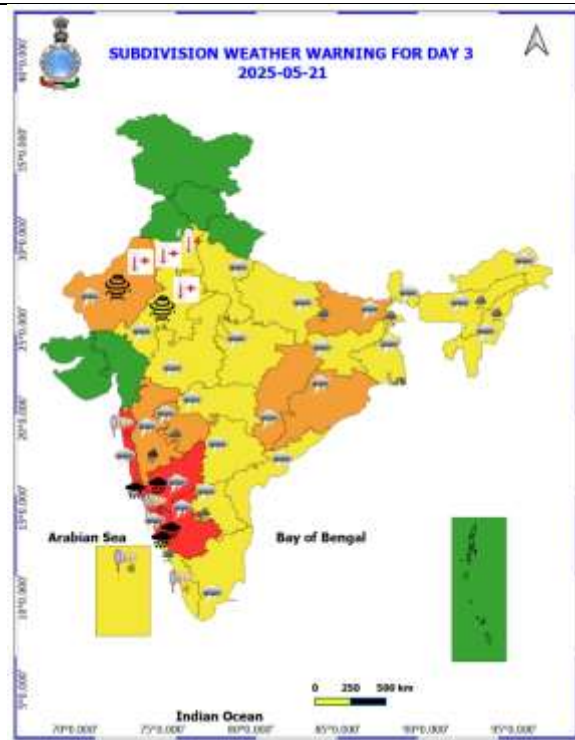
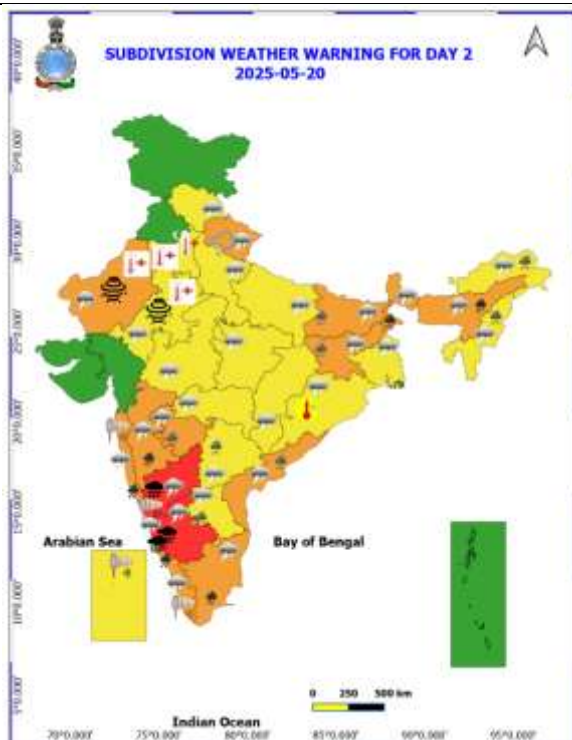
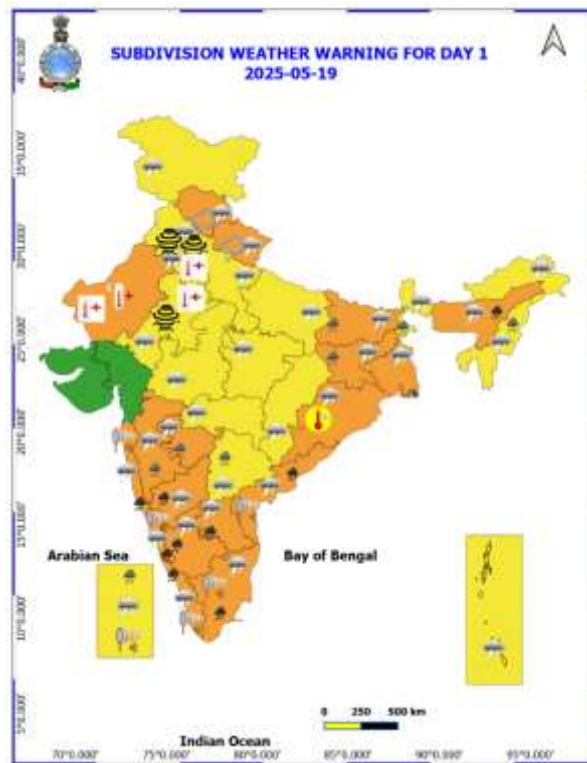
Fig. 1: Maximum Temperatures

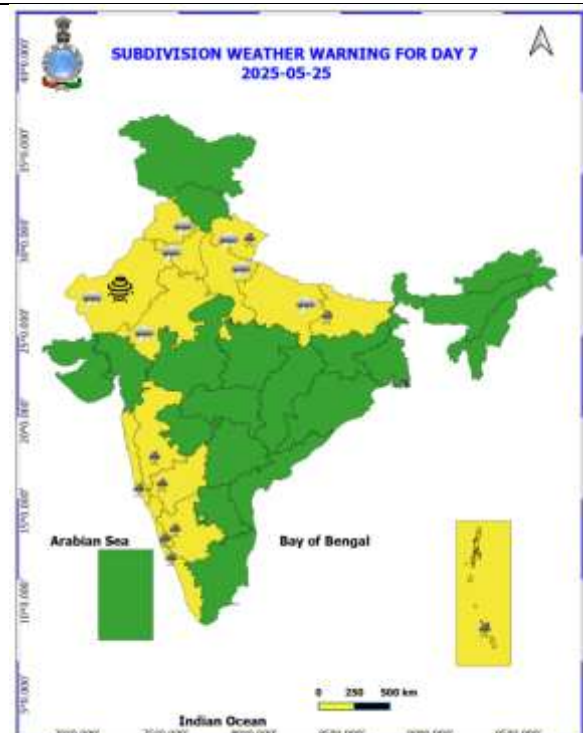
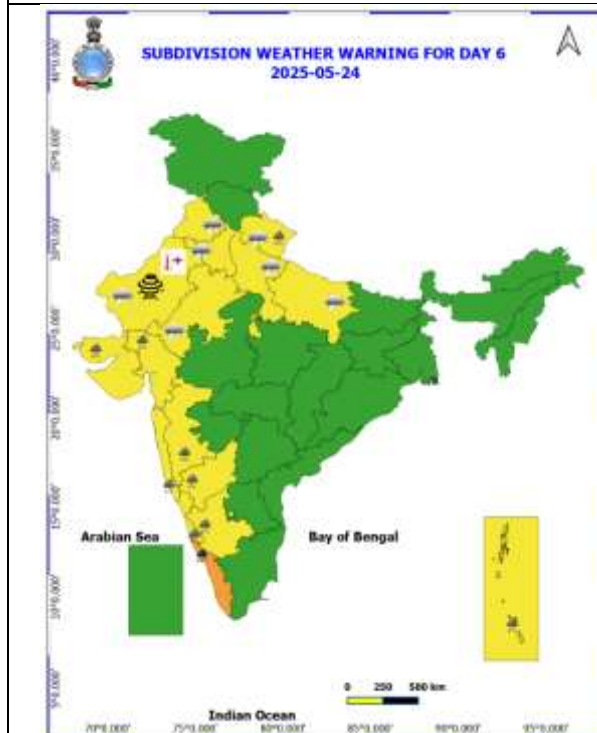
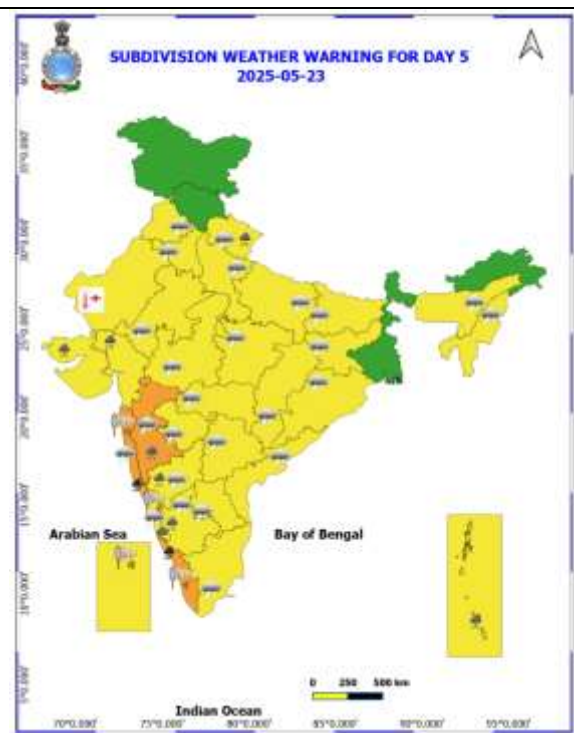
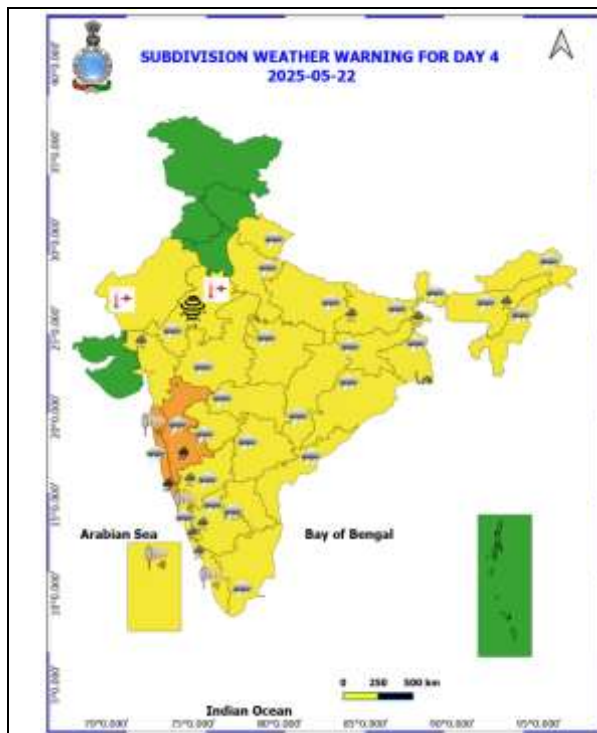
Fig. 2: Departure of Maximum Temperatures



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

Weather forecast over Delhi/NCR during 19th to 22th 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 43°C and 26 to 28°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 prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 15 kmph from the east direction prevailed over the region in the forenoon today.

Weather Forecast:

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 winds towards evening/night. The maximum temperatures over Delhi are likely to be in the range of 38 to 40°C. The maximum temperature will be below normal up to 01 - 03°C. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 20 kmph till evening. It would decrease becoming less than 12 kmph from the southwest direction during the 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 winds. 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 12-18 kmph during morning hours. The wind speed will gradually increase becoming 16-20 kmph from the west direction in the afternoon. It will decrease becoming less than 18 kmph from the west 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 winds. 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 northwest direction with a wind speed of less than 25 kmph during the morning hours. The wind speed will gradually decrease becoming 15-20 kmph from the northwest direction in the afternoon. It will decrease becoming less than 16 kmph from the west direction during evening and night.

22.05.2025: 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. 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 west direction with a wind speed of less than 10 kmph during the morning hours. The wind speed will gradually increase becoming 15-20 kmph from the west direction in the afternoon. It will decrease becoming less than 16 kmph from the southeast 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 Karnataka on 20th & 21st and Konkan on 21st May.
- ✓ **Isolated very heavy rainfall** likely over Tamilnadu Puducherry & Karaikal, Assam & Meghalaya on 19th & 20th; Kerala & Mahe, Karnataka, Konkan & Goa, Madhya Maharashtra during 19th-23rd; Coastal Andhra Pradesh & Yanam, Rayalaseema on 19th May.

Impact Expected

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

Action Suggested

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

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

- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Gangetic West Bengal on 19th; Sub-Himalayan West Bengal & Sikkim on 20th; Bihar, Marathawada during 19th-21st; Jharkhand on 19th & 20th; Chhattisgarh on 21st; Konkan & Goa, Madhya Maharashtra during 19th-23rd May.
- ✓ **Isolated hailstorm** very likely over Himachal Pradesh on 19th and over Uttarakhand on 19th & 20th May.

Impact expected:

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

Action suggested:

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

Impact expected and action suggested due to Heat wave conditions over West Rajasthan during 19th-24th; East Rajasthan during 19th-22nd and Haryana during 19th-21st 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, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Bihar, Konkan & Goa, Madhya Maharashtra, Marathwada, Tamil Nadu, Kerala, Karnataka, Andhra Pradesh and Telangana**, drain out 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 **Haryana** 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 / 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

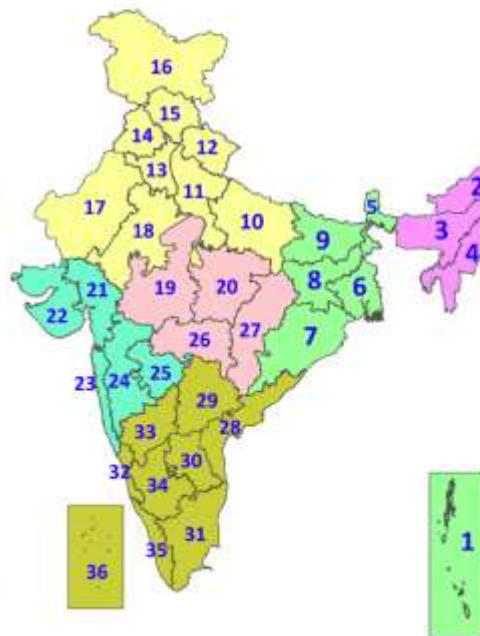
32. तटीय कर्नाटक

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.