



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 22nd May 2026
Time of Issue: 1415 hours IST

**Subject: (i) Heat wave to severe heat wave conditions likely to continue to prevail over plains of northwest India, Central & East India and parts of Peninsular India during next 6-7 days.
(ii) Isolated heavy to very rainfall likely over Kerala & Lakshadweep, Tamilnadu, Sub-Himalayan West Bengal & Sikkim, northeast & adjoining east India during many days of the week.**

Advance of Southwest Monsoon 2026 (Annexure I):

- ❖ The Northern Limit of Monsoon continues to pass through 6°N/70°E, 6°N/75°E, 7°N/80°E, 9°N/85°E, 12°N/90°E, 14°N/93°E, 16°N/96°E and 17.5°N/98°E.
- ❖ Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, Comorin Area, southwest and southeast Bay of Bengal, remaining parts of Andaman Sea, and some more parts of eastcentral Bay of Bengal during next 2-3 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 22nd May, 2026:

- ❖ **Heavy to very heavy rainfall (11-20 cm) at few places with extremely heavy rainfall (≥21 cm)** at isolated places has been recorded over Kerala.
- ❖ **Heavy to very heavy rainfall (11-20 cm)** has been recorded at isolated places over Assam.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Sub-Himalayan West Bengal, Bihar, Rayalaseema, South Interior Karnataka and Tamil Nadu.
- ❖ **Hailstorm** occurred at isolated places over South Interior Karnataka.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 80-120 kmph** prevailed at isolated places over Assam & Meghalaya & South Interior Karnataka; **with speed reaching 50-80 kmph** over Marathawada, Bihar, Odisha, Tamil Nadu and **with speed reaching 40-50 kmph** over Madhya Maharashtra, Coastal Andhra Pradesh, Kutch, Madhya Pradesh, Uttar Pradesh, Jammu-Kashmir, Punjab and Haryana.
- ❖ **Heat wave to severe heat wave conditions** prevailed in few pockets over East Uttar Pradesh & Vidarbha; **heat wave conditions** in many pockets of Haryana, Chandigarh & Delhi and Himachal Pradesh; in some pockets of East Madhya Pradesh; in isolated pockets of Uttarakhand, Punjab, West Uttar Pradesh, Chhattisgarh & Coastal Andhra Pradesh.
- ❖ **Warn night conditions** prevailed in isolated pockets over Punjab, Uttar Pradesh, East Madhya Pradesh and Vidarbha.

Temperature Conditions during past 24 hours till 0830 hours IST of today:

- ❖ **Day Temperatures/Maximum Temperatures (as on 21-05-2026):** Yesterday, Maximum temperatures were in the range of 40-47°C over northwest, west, central & adjoining east, north Peninsular and adjoining southeast coastal India. The highest maximum temperature of 47.6°C was reported at Banda (Uttar Pradesh).
- ❖ **Day Temperatures/Maximum Temperature Departures (as on 21-05-2026):** Yesterday, Maximum temperatures were **markedly above normal (> 5.1°C)** at isolated places over Coastal Andhra Pradesh & Yanam; **appreciably above normal (3.1°C to 5.0°C)** at a few places over Odisha, Vidarbha; at isolated places over Uttarakhand, Punjab, Delhi, East Uttar Pradesh, Jharkhand, Assam, Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at many places over East Madhya Pradesh, Telangana; at a few places over Chhattisgarh; at isolated places over Bihar, Gujarat State, Meghalaya, Madhya Maharashtra, Marathawada, Tripura, Rayalaseema, South Interior Karnataka, Kerala & Mahe and below normal or near normal over rest parts of the country.
- ❖ **Night Temperatures/Minimum temperatures (as on 22-05-2026)** were **markedly above normal (> 5.1°C)** at isolated places over Vidarbha; **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Bihar, Odisha, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam; **above normal (1.6°C to 3.0°C)** at isolated places over Jammu-Kashmir, Haryana, Chandigarh & Delhi, Uttar Pradesh, north Rajasthan, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Saurashtra & Kutch, Madhya Maharashtra,

Marathawada, Telangana, Tamil Nadu, Puducherry & Karaikal, Northeast India and below normal or near normal over rest parts of the country.

Weather Systems, Forecast and Warnings (Annexure II & III):

- ❖ The Western Disturbance now seen as a **cyclonic circulation** over north Pakistan & neighbourhood in lower tropospheric levels with a trough aloft in middle tropospheric levels roughly along Long. 71°E to the north of Lat. 28°N.
- ❖ An upper air **cyclonic circulation** lies over northwest Uttar Pradesh & neighbourhood in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over interior Odisha & neighbourhood in lower tropospheric levels.
- ❖ The **trough** runs from the upper air cyclonic circulation over northwest Uttar Pradesh to the upper air cyclonic circulation over interior Odisha in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over central Assam & neighbourhood in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over Southeast Bay of Bengal & neighbourhood in lower tropospheric levels.
- ❖ The upper air **cyclonic circulation** lies over eastcentral Arabian Sea & neighbourhood in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over southeast Arabian Sea & neighbourhood and a **trough** runs from this upper air cyclonic circulation to Comorin area in lower tropospheric levels.
- ❖ Another **trough** runs from the upper air cyclonic circulation over Southeast Bay of Bengal to north Kerala in lower tropospheric levels.

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

Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Assam & Meghalaya on 22nd & 23rd and Nagaland, Manipur and Mizoram on 22nd May.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh during 22nd-27th; Assam & Meghalaya during 22nd-28th and Nagaland, Manipur, Mizoram & Tripura during 22nd-24th May with **isolated very heavy rainfall** also likely over Arunachal Pradesh on 23rd & 24th; Assam & Meghalaya during 23rd-25th May.

South Peninsular India:

- ❖ **Widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Kerala & Mahe and Lakshadweep during 22nd-26th May.
- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal, Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during 22nd-26th May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Interior Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema on 22nd & 23rd May.
- ❖ **Isolated Heavy rainfall** also likely over Tamil Nadu & Lakshadweep during 22nd-26th; Kerala & Mahe during 22nd-28th; North Interior Karnataka & Rayalaseema on 22nd & 23rd; South Interior Karnataka during 22nd-24th May.
- ❖ **Isolated Hailstorm activity** likely over North Interior Karnataka on 22nd May.

East India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Andaman & Nicobar Islands during 22nd-28th; Sub-Himalayan West Bengal & Sikkim during 22nd -24th May.
- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Gangetic West Bengal, Bihar & Jharkhand during 22nd-28th; Odisha during 22nd-26th May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Gangetic West Bengal & Odisha on 22nd; Jharkhand on 24th & 25th; Bihar on 25th May.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 22nd-26th; Bihar on 25th May; **with isolated very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 22nd & 23rd May.
- ❖ **Isolated Hailstorm activity** likely over Odisha on 22nd May.

Northwest India:

- ❖ **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir during 22nd-25th; Himachal Pradesh and Uttarakhand on 22nd & 23rd May.

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Punjab on 22nd & 23rd; Haryana & Chandigarh and West Rajasthan on 22nd May.
- ❖ **Isolated Hailstorm activity** likely over Himachal Pradesh on 22nd & 23rd and Uttarakhand on 22nd May.
- ❖ **Dust storm activity likely** at isolated places over West Rajasthan on 22nd May.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Konkan & Goa, Madhya Maharashtra and Marathwada on 22nd & 23rd May.

Forecast of maximum/day temperatures:

- ❖ No significant change in maximum temperatures likely over East India till 26th May and gradual fall by 2-3°C on 27th & 28th May.
- ❖ No significant change in maximum temperatures likely over the rest parts of country till 28th May 2026.

Heat Wave, Hot & Humid weather and Warm Night conditions warning:

- ❖ **Heat wave conditions** very likely in isolated/some pockets over Uttar Pradesh and Madhya Pradesh during 22nd-28th May with **severe heat wave conditions** over East Uttar Pradesh and East Madhya Pradesh during same period.
- ❖ **Heat wave conditions** very likely in isolated/some pockets over Punjab and Haryana, Chandigarh & Delhi during 22nd-28th May with **severe heat wave conditions** likely in some/many pockets during 24th-27th May.
- ❖ **Heat wave conditions** very likely in isolated/some pockets over Rajasthan during 22nd-28th May with **severe heat wave conditions** likely in isolated/some pockets over West Rajasthan during 24th-28th May.
- ❖ **Heat wave conditions** very likely in isolated pockets over Vidarbha during 22nd-28th May with **severe heat wave conditions** likely in isolated pockets during 22nd-26th May.
- ❖ **Heat wave conditions** very likely in isolated pockets over Coastal Andhra Pradesh & Yanam during 22nd-26th May with **severe heat wave conditions** likely in isolated pockets during 22nd-24th May.
- ❖ **Heat wave conditions** very likely in isolated pockets over Bihar during 22nd-24th; Tamil Nadu on 22nd; Chhattisgarh, Jharkhand, Odisha & Telangana during 22nd-26th; Jammu-Kashmir, Himachal Pradesh & Uttarakhand during 26th-28th May.
- ❖ **Hot and humid weather conditions** likely to prevail over Gangetic West Bengal during 22nd-26th and Tamil Nadu on 23rd May.
- ❖ **Warm Night conditions** very likely to prevail in isolated pockets over Uttar Pradesh, Vidarbha during 22nd-24th; Odisha during 22nd-26th and Telangana on 22nd & 23rd May.

Fisherman Warning:

Fishermen are advised not to venture into the following areas:

Bay of Bengal:

over Gulf of Mannar, most parts of south Bay of Bengal, over south and adjoining north Andaman Sea on 22nd May; over Gulf of Mannar, most parts of south Bay of Bengal on 23rd May; over Gulf of Mannar, most parts of south Bay of Bengal on 24th & 25th May.

Arabian Sea:

along and off Keralam, Karnataka coasts, Lakshadweep, Maldives, Comorin areas, over most parts of southeast Arabian Sea, adjoining parts of southwest & westcentral Arabian Sea on 22nd May; along and off Keralam, Karnataka coasts, Lakshadweep, Maldives, Comorin areas, over most parts of southeast Arabian Sea on 23rd May; along and off Keralam, Karnataka coasts, Lakshadweep, Comorin areas, adjoining Maldives area on 24th to 27th May; Along and off Somalia coast, adjoining some parts of southwest Arabian Sea during 22nd to 27th May.

Weather conditions and forecast over Delhi/NCR during 22nd -25th May, 2026 (Annexure IV)

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>

For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

Significant rainfall recorded (in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Kerala:** Mavelikara (dist Alapuzha) 23, Kayamkulam_Agri (dist Alapuzha) 21, Kayamkulam (dist Alapuzha) 13, Mancompu (dist Alapuzha) 12, Nooranad (dist Alapuzha) 12, Karumadi (dist Alapuzha) 10, Haripad (dist Alapuzha) 10, Cherthala (dist Alapuzha) 9, Paripalli (dist Kollam) 9, Tellichery (dist Cannur) 9, Vaikkom (dist Kottayam) 9, Kozhikode (dist Kozhikode) 7;
- ❖ **Assam:** SCS_College_of_agriculture (dist Dhubri) 15, Bahalpur (dist Dhubri) 8;
- ❖ **Bihar:** Jhanjharpur (dist Madhubani) 9, Lakhaur (dist Madhubani) 7;
- ❖ **South Interior Karnataka:** Y N Hoskote (dist Tumakuru) 9; Bengaluru City (dist Bengaluru Urban) 6;

- ❖ **Sub-Himalayan West Bengal:** Sankos Tea Estate (dist Alipurduar) 7;
- ❖ **Rayalaseema:** Anantpur (dist Anantapuramu) 7;
- ❖ **Tamil Nadu:** Hosur_AWS (Krishnagiri) 7

Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Assam & Meghalaya:** Manas 80;
- ❖ **Tamil Nadu:** Natham_ISRO (Dindigul) 72; Kanchipuram 63;
- ❖ **Odisha:** Cuttack 61, Bhubaneshwar 41, Janhukuda 39, Udaygiri 37, Benakuda 35, Keonjhar 33;
- ❖ **Bihar:** Darbhanga 57, Madhepura 41, Sukhet 37, Pusa 33;
- ❖ **Marathwada:** Dharashiv 52, Ambejogai (Beed) 31;
- ❖ **East Madhya Pradesh:** Sagar 48, Rewa 37, Satna 33, Sidhi 30, Shadol 30;
- ❖ **Jammu-Kashmir:** Chattha 48;
- ❖ **Punjab:** Pathankot48, Amritsar 39, Hoshiarpur 39, Faridkot 39, Fazilka 43, Bathinda39, Mohali39, Sangrur39;
- ❖ **West Uttar Pradesh:** GB Nagar 48, Hindon 43, Jalaun 39, Agra 33;
- ❖ **East Uttar Pradesh:** Lucknow 46, Mirzapur 41, Varanasi & Fursatganj 39 Each, Kanpur 35;
- ❖ **Haryana:** Hisar 46, Sonipat 43, Charkhi Dadri 41, Rohtak 39;
- ❖ **West Madhya Pradesh:** Guna 46, Ashoknagar 44, Sehore 44, Galior 39, Agar 37, Bhopal 33, Barwani 31, Betul, Shivpuri 30;
- ❖ **Kutch:** Khawda 46;
- ❖ **Coastal Andhra Pradesh:** LAM Guntur 44;
- ❖ **Madhya Maharashtra:** Jalgaon 43, Baramati (Pune) 41

Annexure I

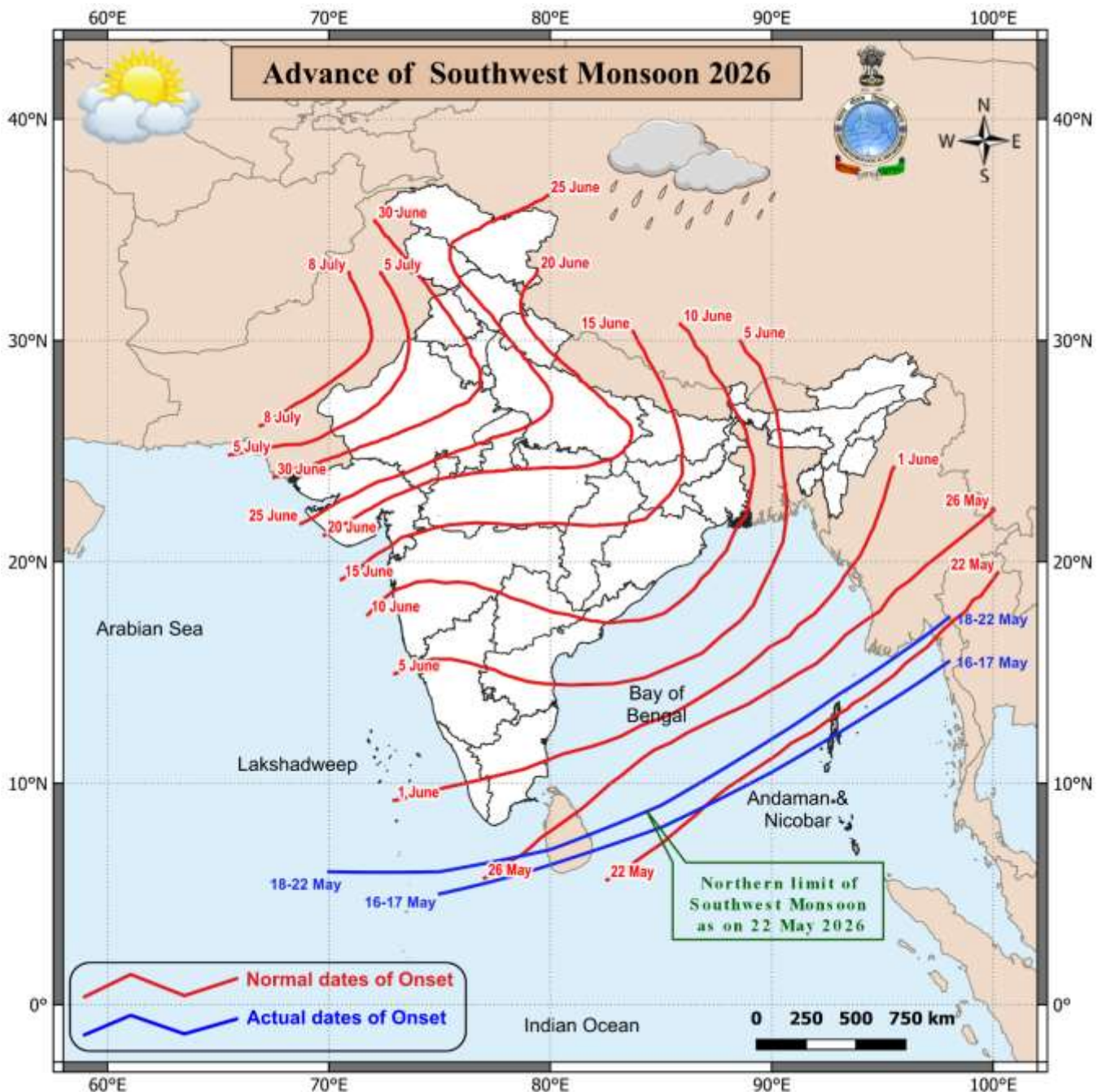
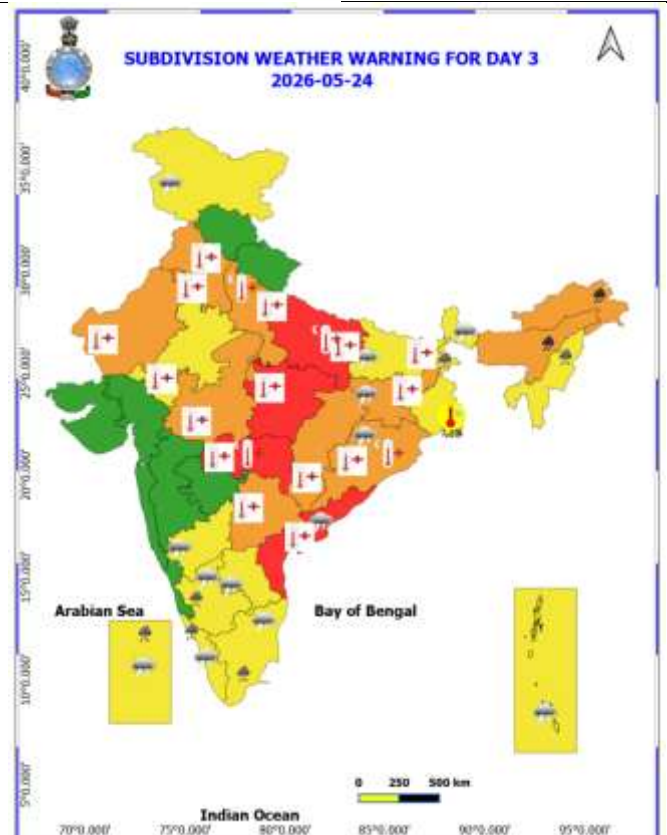
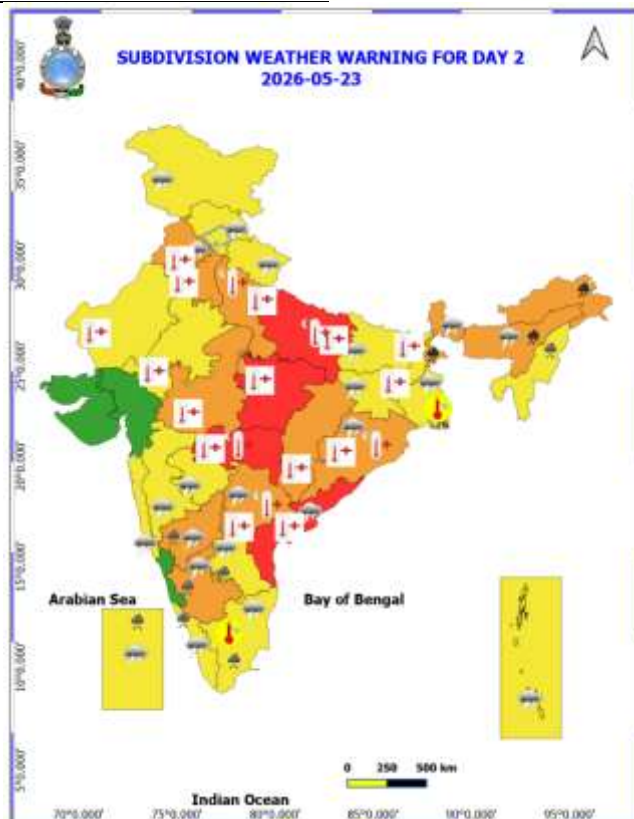
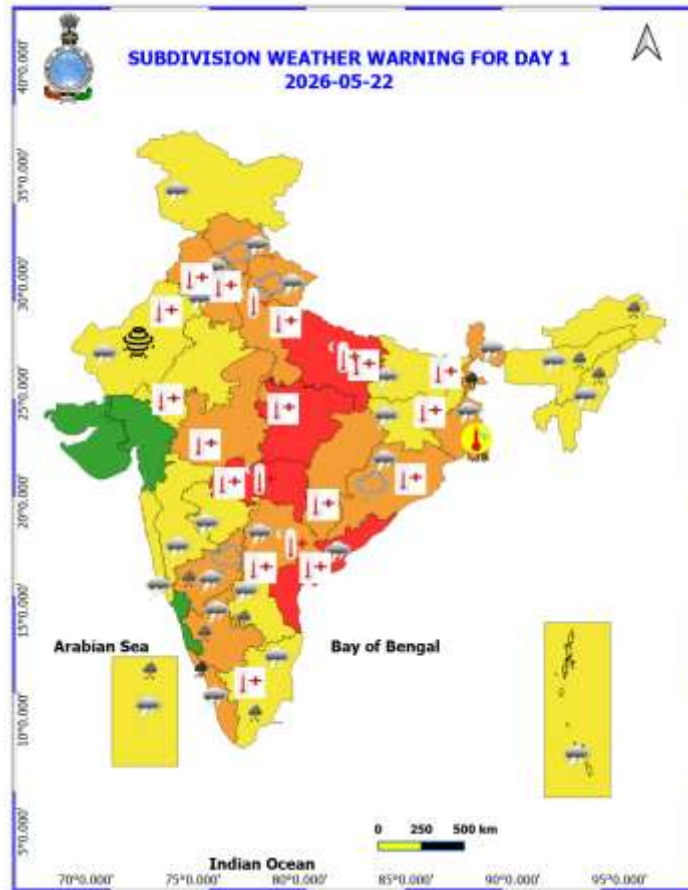
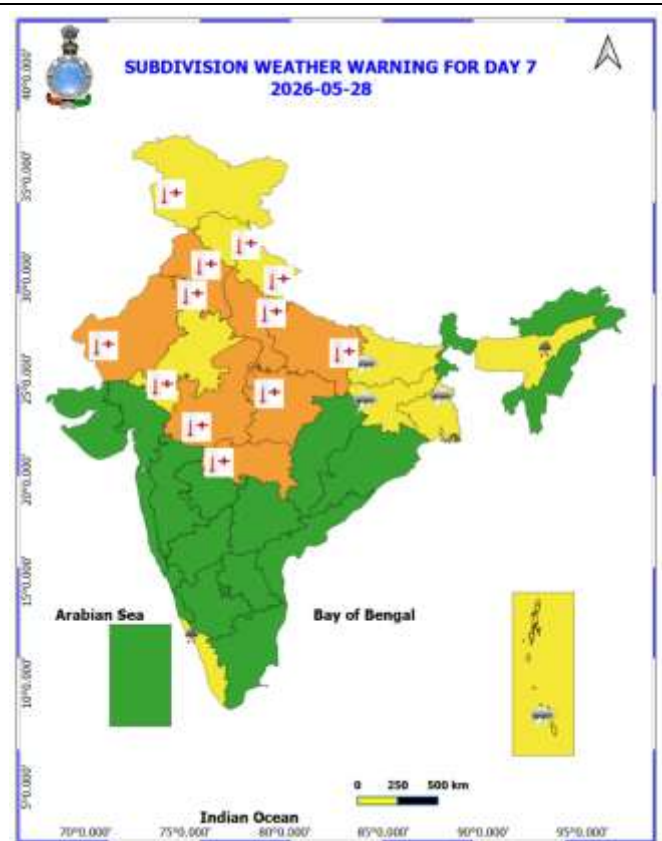
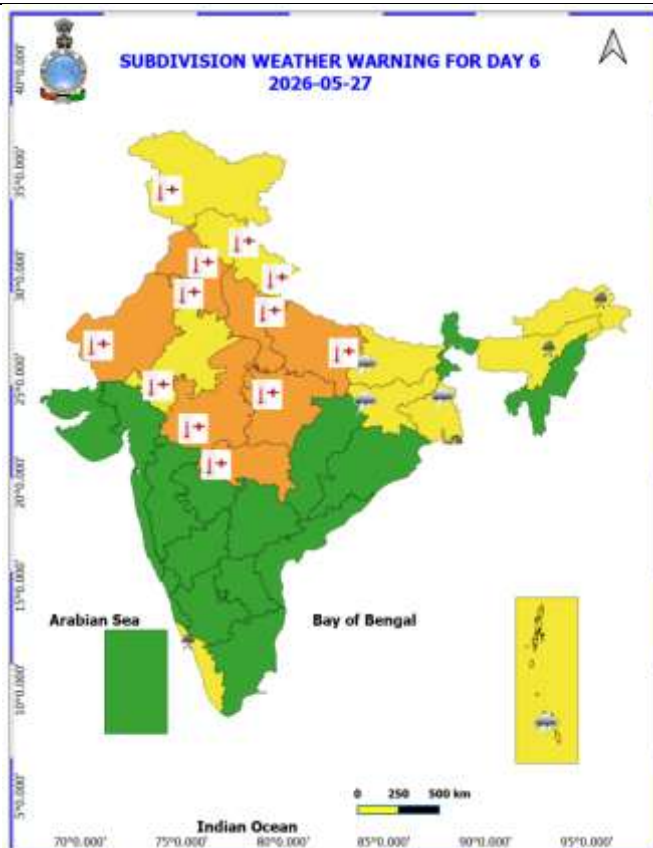
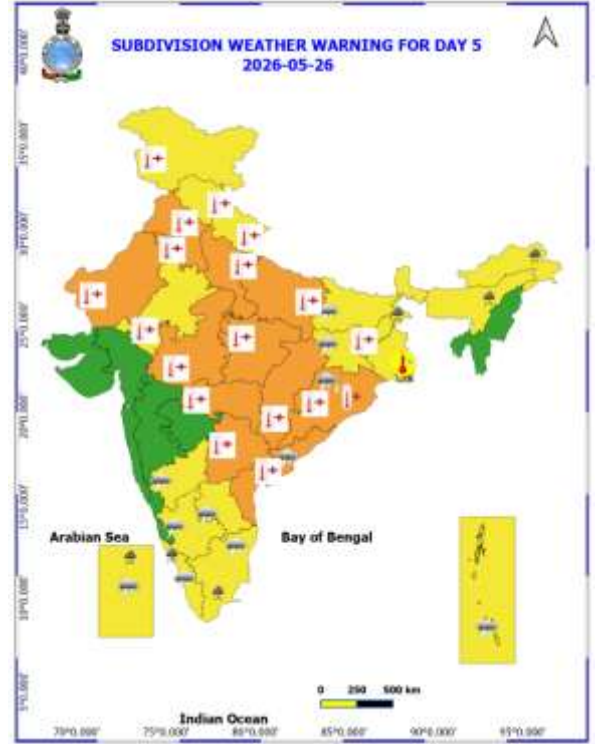
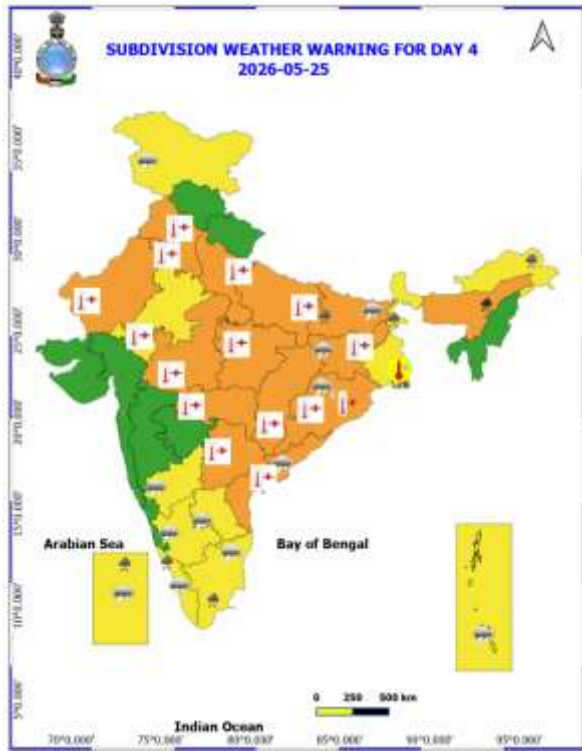


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	22- May	23- May	24- May	25- May	26- May	27- May	28- May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	FWS	WS	WS	WS	WS	FWS	FWS
3	ASSAM & MEHGHALAYA	WS	WS	WS	WS	WS	FWS	FWS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

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND REDCOLOUR 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 22nd May to 25th May 2026

Past Weather:

There has been a slight fall in maximum temperatures by 1°C and fall in minimum temperature by 2-3°C during past 24 hours over Delhi. The maximum temperatures were in the range of 44-45°C and the minimum temperatures are in the range 27-29°C respectively during past 24 hours over Delhi. The minimum temperatures were above normal (1.6°C to 3.0°C) at most places over Delhi. The maximum temperatures are markedly above normal (5.1°C or more) at isolated places, appreciably above normal (3.1°C to 5.0°C) at many places and above normal (1.6°C to 3.0°C) over remaining parts of Delhi. Mainly clear sky with surface wind speeds up to 22 kmph gusting to 50 kmph from west-southwest direction over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 20 kmph likely to prevailed from southwest direction over the region in the forenoon today.

Weather Forecast:

22.05.2026: Mainly clear sky. Heat wave conditions at a few places. Sustained strong surface winds speed reaching 15-25 kmph occasionally gusting to 35 kmph during the day. The maximum temperatures over Delhi are likely to be in the range of 44°C to 46°C. The maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the west direction with surface wind speed reaching up to 20 kmph during the afternoon hours. The wind speed will decrease becoming up to 15 kmph from the west direction during evening and night.

23.05.2026: Mainly clear sky. Heat wave conditions at a few places. Possibility of thundery development towards morning/afternoon/evening. Sustained strong surface winds speed reaching 20-30 kmph occasionally gusting to 40 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 43°C to 45°C and 27°C to 29°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching up to 15 kmph during the morning hours. The wind speed will increase becoming up to 20 kmph from west direction during the afternoon. The wind speed will decrease becoming up to 15 kmph from the southwest direction during evening and night.

24.05.2026: Mainly clear sky. Heat wave conditions at a few places. Sustained strong surface winds speed reaching 20-30 kmph occasionally gusting to 40 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 44°C to 46°C and 26°C to 28°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 15 kmph during the morning hours. The surface wind speed will be increase becoming up to 20 kmph from northwest direction during the afternoon. The wind speed will decrease becoming up to 15 kmph from the southwest direction during evening and night.

25.05.2026: Mainly clear sky. Heat wave conditions at a few places. Sustained strong surface winds speed reaching 20-30 kmph occasionally gusting to 45 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 44°C to 46°C and 29°C to 31°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the west direction with wind reaching up to 20 kmph during the morning hours. The surface wind speed will be up to 30 kmph from west direction during the afternoon. The surface wind speed will decrease up to 25 kmph from the west direction during evening and night.

Impact expected and action suggested due to heat wave conditions:

- **Warning:** Heat wave conditions are expected; however, temperatures are likely to remain above normal. There may be moderate health risks, particularly for vulnerable groups such as infants, the elderly, and individuals with chronic illnesses.
- **Advisory:** Avoid prolonged exposure to heat. Wear lightweight, light-colored, and loose cotton clothing. Cover your head using a cloth, hat, or umbrella when outdoors.

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 Interior Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema on 22nd & 23rd May; Gangetic West Bengal & Odisha on 22nd; Jharkhand on 24th & 25th and Bihar on 25th May.
- ❖ **Isolated Hailstorm activity** likely at isolated places over Uttarakhand, Odisha & North Interior Karnataka on 22nd May; Himachal Pradesh on 22nd & 23rd 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.
- 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 & Action Suggested due to heavy/very heavy rainfall over

- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh during 22nd-27th; Assam & Meghalaya, Kerala & Mahe during 22nd-28th; Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka during 22nd-24th; Sub-Himalayan West Bengal & Sikkim, Tamil Nadu & Lakshadweep during 22nd-26th; North Interior Karnataka & Rayalaseema on 22nd & 23rd; Bihar on 25th May; **with isolated very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 22nd & 23rd; Arunachal Pradesh on 23rd & 24th; Assam & Meghalaya during 23rd-25th May.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- 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/landslips/mudslips/landsinks/mudsinks.
- 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 Heat wave/ severe heat wave conditions:

- ❖ Heat wave to severe heat wave conditions likely to continue to prevail over plains of northwest India, central & East India, parts of Peninsular during next 6-7 days.

Red alert Areas

- Very high likelihood of developing heat illness and heat stroke in all ages.
- Extreme care needed for vulnerable people.

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 Hailstorms

- In **Himachal Pradesh and North Interior Karnataka**, use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage.
- Ensure effective field drainage to prevent waterlogging. Undertake picking of matured fruits at the earliest. Keep the harvested produce in safe places.

Agromet advisories for likely impact of Heavy Rainfall

- In **Arunachal Pradesh**, ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards. Keep the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places.
- In **Assam and Meghalaya**, make necessary arrangements to remove excess rainwater from the crop fields.
- In **Nagaland**, Maintain drainage in low-lying areas and in crop fields (potato, foxtail millet. Keep the maize field covered with locally available mulch, such as farm residue or paddy straw. Provide propping to the banana plant to prevent lodging.
- In **Manipur**, postpone sowing of soybean and groundnut. Drain out excess rainwater and top-dress the crop after the current rain spells. Avoid rainwater stagnation for long periods in crop fields (chilli, ginger, turmeric, banana, etc.).
- In **Mizoram**, create drainage channels surrounding the rice fields and utilize grass mulch to cover the seeds. Provide support to fruit-bearing or partially lodge plants/trees. Propping should be done to prevent maize plants from lodging.
- **Tripura** - Ensure proper drainage to prevent standing water in vegetable, watermelon, and orchard fields
- In **Sub-Himalayan West Bengal and Sikkim**, maintain proper drainage channels in the ginger, tomato, maize, bitter gourd and Dalle Khorsani fields. Provide staking to tomato, Dalley Khorsani seedlings. Harvest mature crops at the earliest and store them safely in dry places. Protect nurseries and young seedlings against heavy rainfall with temporary covers.
- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.
- In **Keralam**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants
- **Lakshadweep**, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing-crop fields to prevent waterlogging.
- In **South Interior Karnataka**, ensure proper drainage in paddy fields, arecanut and mango orchards.

- In **Andhra Pradesh - Rayalaseema** - Provide light irrigation to maintain adequate moisture in standing crops such as paddy, *rabi* maize, sorghum, chickpea, groundnut, sesame, sugarcane, vegetables, and fruit orchards.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Punjab**, apply light and frequent irrigation to vegetable, moong fruit plants orchards and onion nurseries.
- In **Haryana**, maintain adequate irrigation in standing sugarcane, cotton and summer fodder crops. Complete paddy nursery preparation with assured irrigation facilities and adopt mulching/moisture conservation practices to reduce water stress in newly sown crops
- In **Uttar Pradesh**, provide frequent irrigation and mulching for standing crops such as maize, green gram, black gram, sugarcane, sunflower, vegetables, and fruit plants such as mango, banana, and papaya.
- In **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops such as bottle gourd, pumpkin, ridge gourd, cucumber, bitter gourd, and summer ladyfinger, as well as to young fruit plants such as mango, amla, pomegranate, wood apple, and plum. Undertake soil mulching/mulching with straw/polythene to reduce water loss by evaporation.
- In **Bihar** - Apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures.
- In **Jharkhand**, provide light at frequent intervals for pulses and vegetables.
- In **Odisha** - Provide light irrigation to *Boro* paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Ensure adequate soil moisture is maintained in mango and cashew crops.
- In **Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **Chhattisgarh** - Apply light irrigation after weeding and hoeing in *rabi* maize, banana, and papaya plantations. Complete harvesting of wheat and chickpea, and ensure safe storage.
- In **Vidarbha**, provide light and frequent irrigation to vegetables and orchards during morning or evening hours, with increased frequency during critical growth stages. Irrigate sugarcane, summer groundnut, vegetables, and orchards as required; use organic or straw mulch in vegetables and orchards; cover banana bunches with leaves; and use shade nets in newly planted banana plantations.
- In **Telangana** - Provide irrigation to mango orchards and vegetable crops, as required.
- In **Coastal Andhra Pradesh** regions experiencing hot and humid conditions, apply light irrigation to summer crops and vegetables to maintain soil moisture.
- Apply mulching to conserve soil moisture in the standing crops.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Livestock / Poultry / Fisheries

- Keep the animals inside the shed during hailstorms/ heavy rainfall and provide them with balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In regions with high temperatures and heat waves, provide clean, hygienic, and ample drinking water for animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects.

Legends & abbreviations:

- ❖ **Heavy Rain:**64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; 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, Coastal Maharashtra (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 *	<p>Heavy: 64.5 to 115.5 mm/cm *</p> <p>Very Heavy: 115.6 to 204.4 mm/cm*</p> <p>Extremely Heavy: > 204.4 mm/cm *</p>
Heat Wave	<p>When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions</p> <p>(a) Based on Departure from normal</p> <p>Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C.</p> <p>Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$</p> <p>(b). Based on Actual maximum temperature</p> <p>Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.</p> <p>Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$</p> <p>(c). Criteria for heat wave for coastal stations</p> <p>When maximum temperature departure is $>4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$</p>
Warm Night	<p>When maximum temperature remains 40°C</p> <p>Warm Night: When minimum temperature departure 4.5°C to 6.4°C.</p> <p>Severe Warm Night: When minimum temperature departure $>6.4^{\circ}\text{C}$.</p>
Cold Wave	<p>When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.</p> <p>(a). Based on departure</p> <p>Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$</p> <p>(b) Based on actual Minimum Temperature (for Plains only)</p> <p>Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$</p> <p>Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$</p> <p>(c) For Coastal Stations</p> <p>When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$</p>
Cold Day	<p>When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions</p> <p>Based on departure</p> <p>Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$</p>
Fog	<p>Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$</p> <p>Moderate Fog: When the visibility between 500-200 metres</p> <p>Dense Fog: when the visibility between 50- 200 metres</p> <p>Very Dense Fog: when the visibility < 50 metres</p>
Thunderstorm	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
Dust/Sand Storm	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
Frost	<p>Ice deposits on ground</p> <p>Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)</p>
Squall	<p>A strong wind that rises suddenly, lasts for atleast 1 minute.</p> <p>Moderate: Wind speed 52-61 kmph</p> <p>Severe: Wind speed 62-67 kmph</p> <p>Very Severe: Wind speed >67 kmph</p>
Sea State	<p>Effect of various waves in the sea over specific area</p> <p>Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre</p> <p>High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre</p> <p>Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre</p>
Cyclone	<p>Cyclonic Storm: Wind speed 62-67 kmph (34-47 knots)</p> <p>Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)</p> <p>Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)</p> <p>Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)</p> <p>Super Cyclone Storm: Wind speed >220 kmph (>119 knots)</p>

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