



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 20th May 2026
Time of Issue: 1445 hours IST

**Subject: (i) Heat wave to severe heat wave conditions likely to continue to prevail over northwest & central India during the week and over East India during next 5 days.
(ii) Isolated heavy rainfall likely over Andaman & Nicobar Islands during the week; and over northeast & adjoining east India during 21st to 26th May, 2026.**

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 3-4 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 20th May, 2026:

- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Tamil Nadu.
- ❖ **Hailstorm** reported at isolated places over Telangana, Uttarakhand.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 80-100 kmph** over North Interior Karnataka, Coastal Andhra Pradesh & Yanam; **with speed reaching 50-65 kmph** over Haryana, Saurashtra Kutch, Odisha, West Uttar Pradesh and **with speed reaching 40-50 kmph** prevailed at isolated places over Andaman & Nicobar Islands, Jharkhand, Himachal Pradesh, Madhya Maharashtra, Kerala & Mahe.
- ❖ **Heat wave to severe heat wave conditions** prevailed in isolated pockets over East Uttar Pradesh; **heat wave** conditions in few pockets of Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh; in isolated pockets over Jammu Division, Madhya Pradesh and Vidarbha.
- ❖ **Warm Night conditions** prevailed at isolated places over East Rajasthan, Odisha.

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

- ❖ **Day Temperatures/Maximum Temperatures (as on 19-05-2026):** Yesterday, Maximum temperatures are in the range of 40-47°C over northwest India except western Himalayan region, West, Central & adjoining East and North Peninsular India. **The highest maximum temperature of 48.2°C was reported at BANDA (UTTAR PRADESH).**
- ❖ **Day Temperatures/Maximum Temperature Departures (as on 19-05-2026):** Yesterday, Maximum temperatures are **markedly above normal (5.1°C or more)** at isolated places over Jammu & Kashmir; Himachal Pradesh, Punjab, Haryana-Chandigarh-Delhi, ; **appreciably above normal (3.1°C to 5.0°C)** at a few places over Haryana-Chandigarh-Delhi, Punjab, Madhya Maharashtra, Marathwada, Vidarbha; at isolated places over West Madhya Pradesh, East Madhya Pradesh, East Rajasthan, East Uttar Pradesh, Gangetic West Bengal, Gujarat Region, Odisha, Uttarakhand, West Rajasthan, West Uttar Pradesh; **above normal (1.6°C to 3.0°C)** at many places over Jharkhand; at a few places over Saurashtra & Kutch; at isolated places over Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Konkan & Goa, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Telangana and Below normal/ near normal over rest parts of the country.
- ❖ **Night Temperatures/Minimum temperatures (as on 20-05-2026)** were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Jammu-Kashmir; **above normal (1.6°C to 3.0°C)** at many places over Northwest India & Northeast India, Madhya Pradesh, Bihar, Chhattisgarh, West Bengal, Odisha, Marathawada, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and below normal or near normal over rest parts of the country.

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

- ❖ The **Western Disturbance** as a cyclonic circulation over north Pakistan and adjoining Jammu division persists in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Punjab & adjoining Pakistan in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over central parts of north Uttar Pradesh in lower tropospheric levels.
- ❖ A **trough** from the above **cyclonic circulation** runs from above central parts of north Uttar Pradesh to north Telangana in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over west Bihar & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over east Bangladesh & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Gangetic West Bengal & adjoining Bangladesh in lower tropospheric levels.
- ❖ A **trough** runs from southeast Arabian Sea to the central Bay of Bengal in lower tropospheric levels.
- ❖ Another **Western disturbance** seen as a trough in westerlies in middle tropospheric level runs roughly along Long. 52°E to the north of Lat. 30°N.

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

Northeast India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Assam & Meghalaya on 23rd & 24th; Nagaland, Manipur, Mizoram & Tripura on 20th & 21st May.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 22nd, 25th & 26th; Assam & Meghalaya on 21st, 22nd & 26th; Nagaland, Manipur, Mizoram & Tripura during 22nd – 26th May; with **isolated very heavy rainfall** over Arunachal Pradesh on 23rd & 24th; Assam & Meghalaya during 23rd-25th May.
- ❖ **Thunderstorm with light to moderate lightning** likely over Assam & Meghalaya, on 20th & 21st May.

South Peninsular India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 20th – 24th, Kerala & Mahe, Lakshadweep during 20th – 22nd, North Interior Karnataka on 24th, South Interior Karnataka during 22nd – 24th, Rayalaseema, Telangana on 20th & 21st May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over North Interior Karnataka during 20th – 23rd, South Interior Karnataka on 20th & 21st, Coastal Andhra Pradesh & Yanam during 20th – 24th, Rayalaseema during 22nd-24th May.
- ❖ **Isolated Heavy rainfall** also likely over Tamil Nadu during 20th-22nd; Kerala & Mahe, South Interior Karnataka on 20th & 21st; Lakshadweep on 20th 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 20th-26th; Sub-Himalayan West Bengal & Sikkim during 20th-24th May.
- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Gangetic West Bengal during 21st-23rd; Bihar during 20th-26th; Jharkhand during 21th-26th; Odisha during 22nd – 24th May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Gangetic West Bengal on 20th; Bihar on 22nd; Jharkhand on 20th, 23rd & 24th; Odisha on 20th & 21st May.
- ❖ **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 20th-22nd and on 25th & 26th; Sub-Himalayan West Bengal & Sikkim on 21st, 25th & 26th May; **with very heavy rainfall** at a few places over Sub-Himalayan West Bengal & Sikkim on 23rd May; **with isolated very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 22nd & 24th May.

Northwest India:

- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir during 20th - 22nd; Himachal Pradesh on 21st & 23rd; Uttarakhand on 22nd & 23rd May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jammu-Kashmir on 21st May.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Konkan & Goa and Madhya Maharashtra on 20th & 21st, Marathwada on 20th May.

Forecast of maximum/day temperatures:

- ❖ Gradual Fall in maximum temperatures by 2-3°C likely over Maharashtra till 21st and no significant change during 22nd – 26th May.
- ❖ No significant change in maximum temperatures likely over rest parts of the country till 26th May 2026.

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

- ❖ **Heat wave to severe heat wave conditions** very likely in many/some pockets over Punjab; Haryana Chandigarh & Delhi on 20th & 21st and during 24th – 26th May.
- ❖ **Heat wave to severe heat wave conditions** in a few pockets over Vidarbha during 20th – 23rd; Punjab on 22nd & 23rd; West Uttar Pradesh during 20th – 26th; East Uttar Pradesh during 20th – 23rd May.
- ❖ **Heat wave to severe heat wave conditions** very likely in isolated/some pockets over Madhya Pradesh during 20th – 25th East Uttar Pradesh during 24th – 26th; **Heat wave conditions** in isolated pockets over Madhya Pradesh on 26th; Vidarbha during 24th – 26th; Chhattisgarh during 20th – 24th, Coastal Andhra Pradesh & Yanam, Telangana, Odisha during 20th – 24th; Bihar during 20th – 23rd, Rajasthan during 20th – 26th May.
- ❖ **Heat wave conditions** very likely in isolated pockets over Jammu-Kashmir, Himachal Pradesh on 20th; Uttarakhand on 20th & 21st May
- ❖ **Warm Night conditions** very likely to prevail in isolated pockets over Odisha during 20th – 24th; Uttar Pradesh, on 21st & 22nd; Vidarbha on 20th & 21st May.
- ❖ **Hot and humid weather conditions** likely to prevail over Tamil Nadu, Puducherry & Karaikal during 20th – 23rd; Gangetic West Bengal, Odisha during 20th – 24th May.

Fisherman Warning:

Fishermen are advised not to venture into the following areas:

- ❖ **Bay of Bengal:**
Over Gulf of Mannar, adjoining Comorin area, many parts of southwest Bay of Bengal, most parts of southeast Bay of Bengal on 20th May; over many parts of southwest Bay of Bengal, most parts of southeast Bay of Bengal on 21st May; over some parts of southwest Bay of Bengal, many parts of southeast Bay of Bengal on 22nd May; many parts of southwest & southeast Bay of Bengal on 23rd May; over many parts of southwest & southeast Bay of Bengal on 24th May.
Over Gulf of Mannar, adjoining Comorin area 20th to 25th May.
Over Andaman Sea during 20th to 23rd May.
- ❖ **Arabian Sea:**
Along and off Keralam, Karnataka coasts, over Lakshadweep area, adjoining Maldives, over Comorin areas on 20th May; Along and off Keralam coast, over Lakshadweep area, adjoining Maldives, over Comorin areas on 21st May along and of Somalia coast, over many parts of southwest Arabian Sea during 20th to 25th May.

Weather conditions and forecast over Delhi/NCR during 20th -23rd 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>

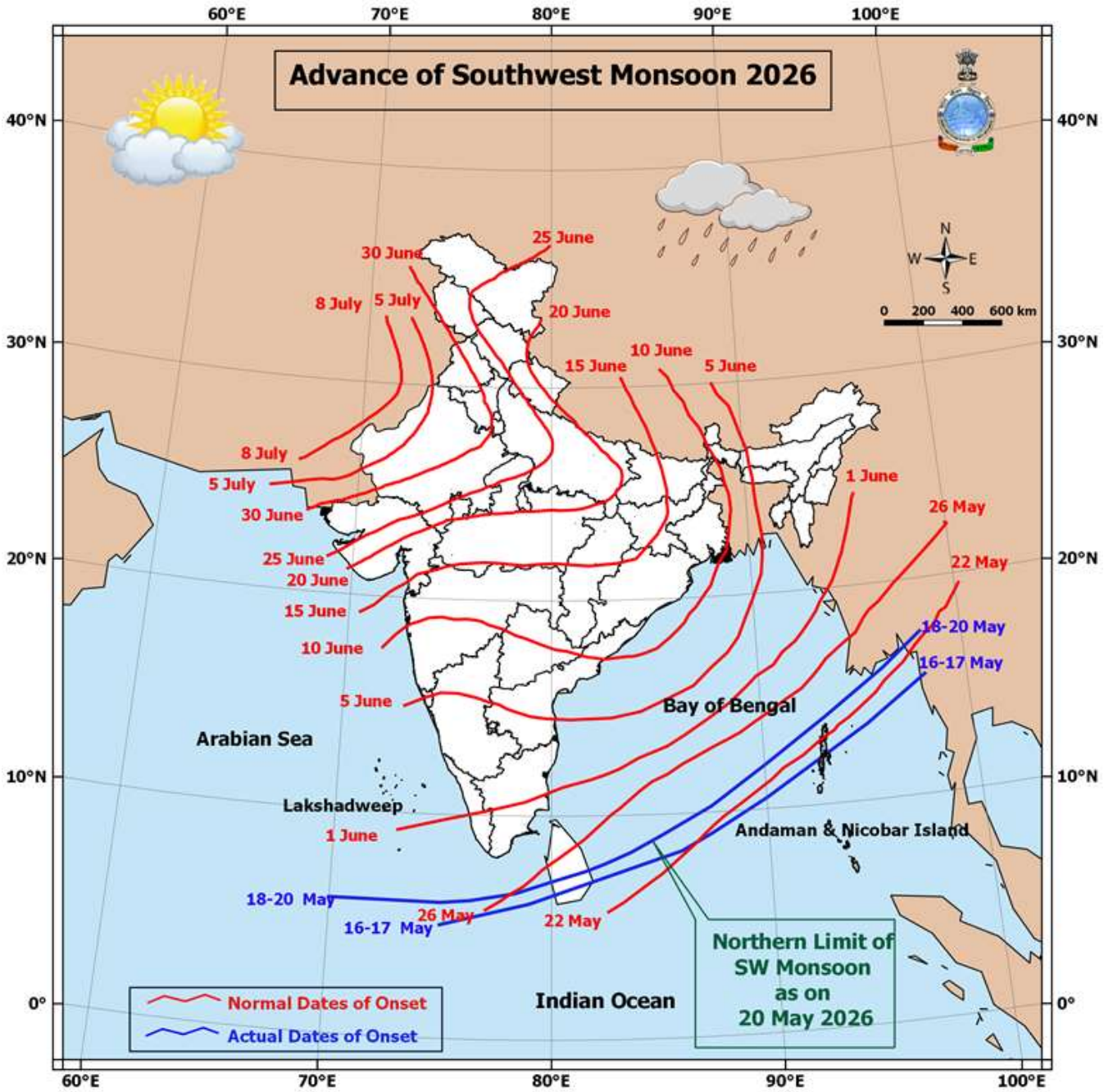
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

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

- ❖ **Tamil Nadu, Puducherry & Karaikal:** Varanatapalli (7)

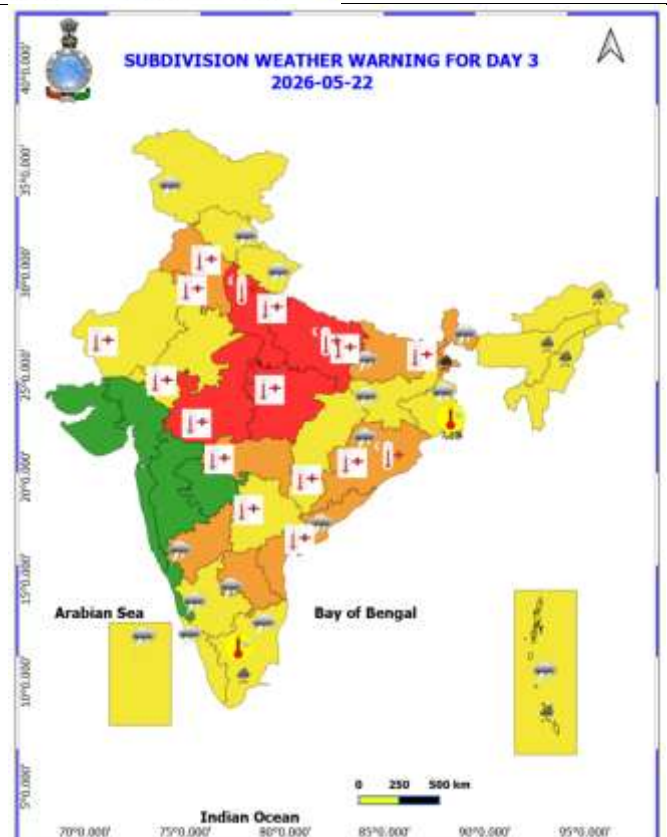
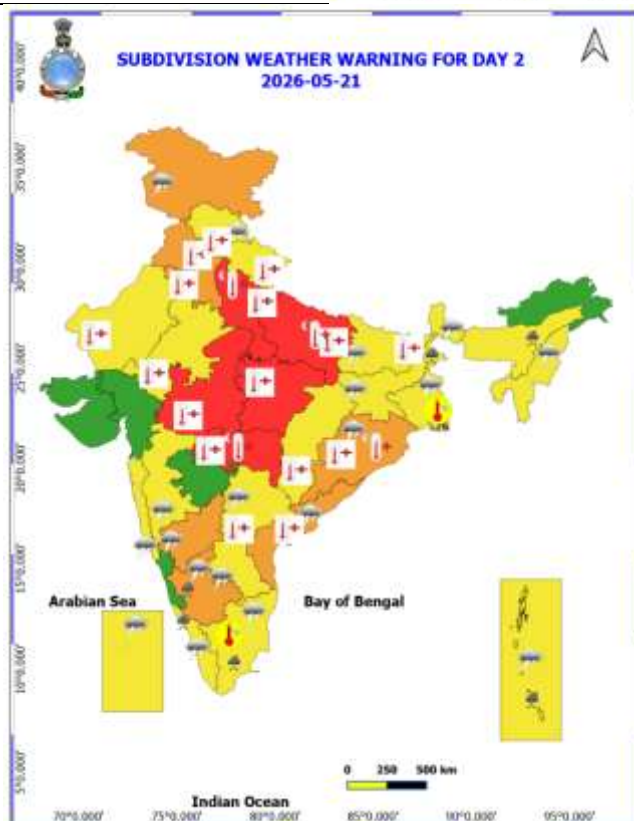
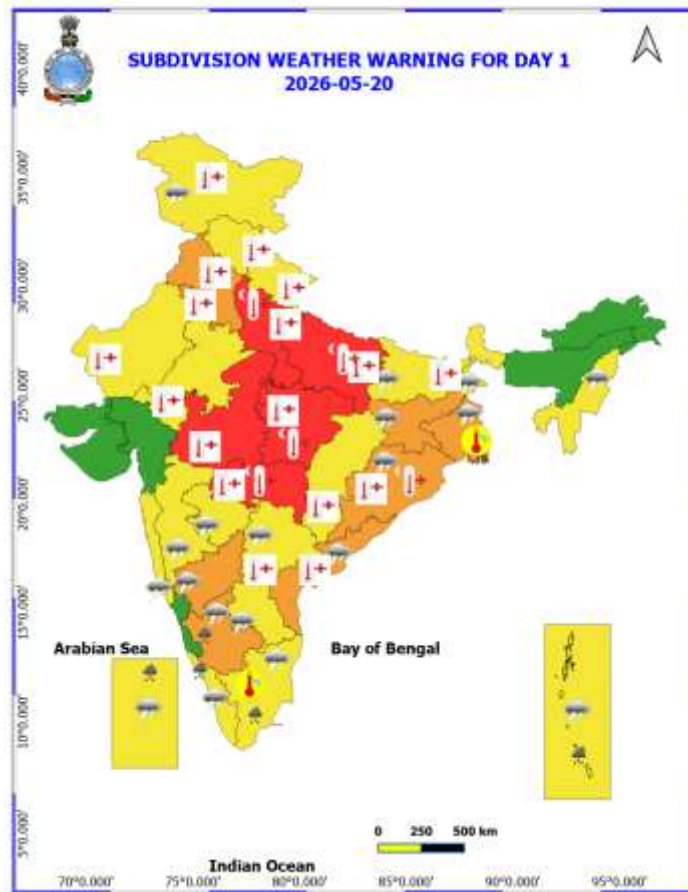
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

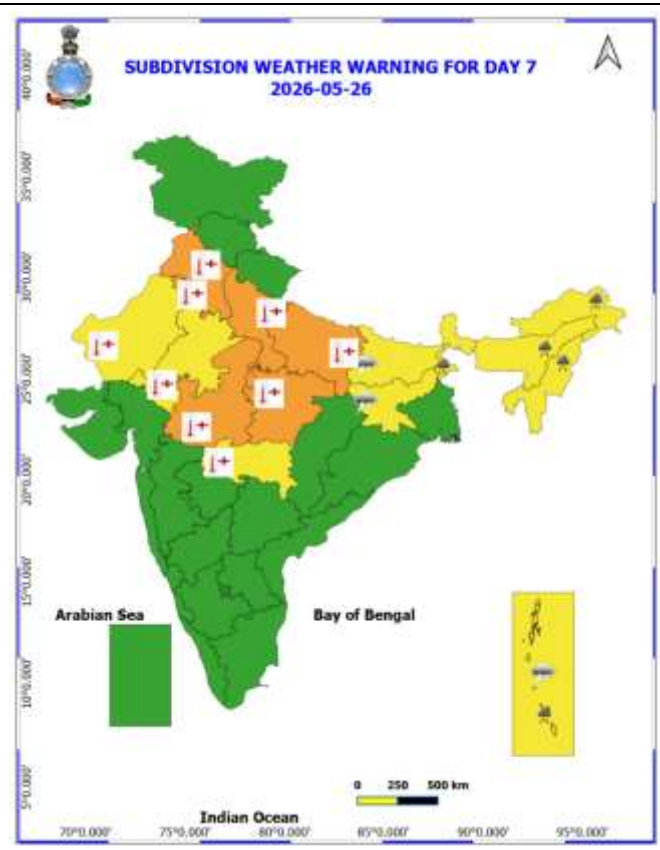
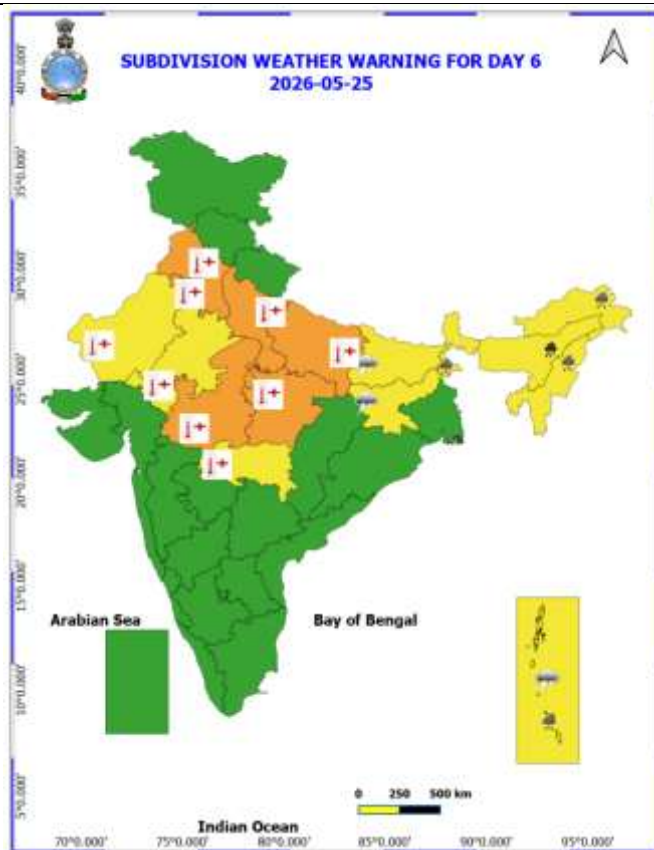
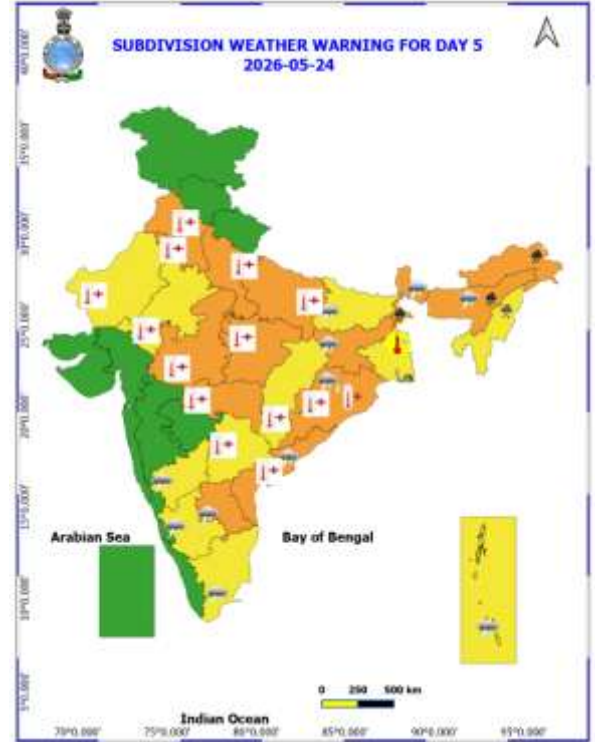
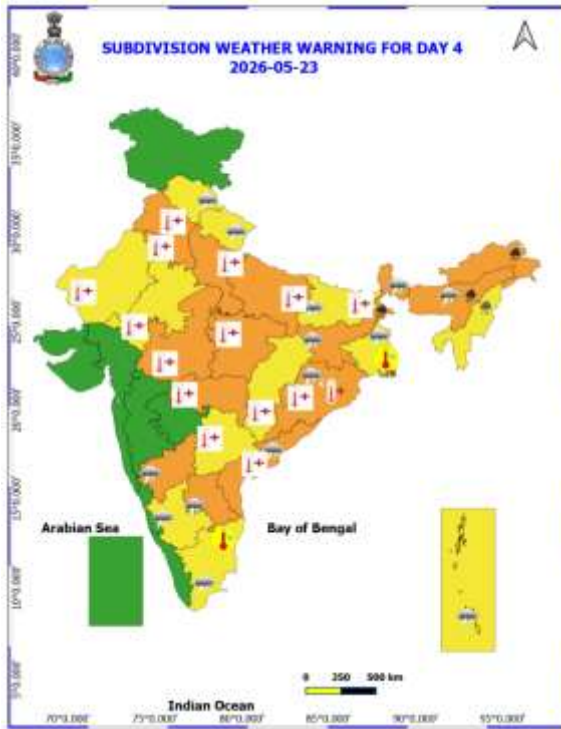
- ❖ **Haryana:** Sonipat 61
- ❖ **Saurashtrakutch:** Bhachau Amfukutch 57
- ❖ **Odisha:** Mayurbhanj 56
- ❖ **West Uttar Pradesh:** Agraaws54, Hamirpuraws43, G. B. Nagaraws43, Bulandshaharaws 39, Mathuraaws 39, Agraiaf 37
- ❖ **Andaman & Nicobar Islands:** Sri Vijayapuram 50
- ❖ **Jharkhand:** Saraikela 50
- ❖ **Himachal Pradesh:** Seobagh Amfu48
- ❖ **Madhya Maharashtra :** Shahada Nandurbar 44 , Baramati Pune 41 , Kalwan Nashik 37 , Solapur 37
- ❖ **Kerala & Mahe:** Palakkad 44, Ernakulam 41.
- ❖ **Gujarat Region:** Arnejahmd 43
- ❖ **Gangetic West Bengal:** Gangasagar 37
- ❖ **Uttarakhand:** Mukteshwar 39, Ranichauri 39, Chamoli 37, Pantnagar 37, Kosiyakutoli 37, Champawat 33, Kashipur 33, Jollygrant 31
- ❖ **Punjab:** Hoshiarpur 39
- ❖ **East Uttar Pradesh:** Kanpurdehataws 39, Bahraichaws 39
- ❖ **West Madhya Pradesh:** Ashoknagar 37 , Sehore 37,Guna 35,Agar 33
- ❖ **Konkan & Goa:** Karjat Raigad 37 ,Dapoli Ratnagiri 28
- ❖ **Marathwada:** Tondapur Hingoli 35 , Ambejogai Beed 30 ,
- ❖ **Bihar:** Sukhet 35
- ❖ **East Madhya Pradesh:** Satna 31 , Sagar 30, Shahdol 30
- ❖ **Chattisgarh:** Raipur 31, Janjgir 31, Balrampur 31



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

- 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 20th May to 23rd May 2026**Past Weather:**

There has been rise in maximum temperatures up to 1-2°C and no large change in minimum temperatures during past 24 hours over Delhi. The maximum temperatures were found 45-47°C and the minimum temperatures are in the range 27-29°C respectively during past 24 hours over Delhi. The minimum temperatures are above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) at remaining places over Delhi. The maximum temperatures were markedly above normal (5.1°C or more) at few places and appreciably above normal (3.1°C to 5.0°C) at remaining parts over Delhi. Mainly clear sky with westerly winds prevailed with speed 20 kmph gusting to 33 kmph over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 20 kmph likely to prevail from west direction over the region in the forenoon today.

Weather Forecast:

20.05.2026: Mainly clear sky. Heat wave conditions at many places with severe heat wave conditions at isolated places. The maximum temperatures over Delhi are likely to be in the range of 45°C to 47°C. 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 increase becoming up to 22 kmph from the west direction during evening and night.

21.05.2026: Mainly clear sky. Heat wave conditions at many places with severe heat wave conditions at isolated places. Sustained strong surface winds speed reaching 15-25 kmph occasionally gusting to 35 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 45°C to 47°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 markedly above normal (5.1°C or more) at most places over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will be increase becoming up to 22 kmph from the west direction during afternoon hours. The wind speed will be increase becoming up to 25 kmph from the west direction during evening and night.

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 and minimum temperatures over Delhi are likely to be in the range of 45°C to 47°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 the maximum temperature will be markedly above normal (5.1°C or more) over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will be increase becoming up to 25 kmph from the west direction during afternoon hours. The wind speed will be increase becoming up to 20 kmph from the west direction during evening and night.

23.05.2026: 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 27°C to 29°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and the maximum temperature will be markedly above normal (5.1°C or more) at many places over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will be increase becoming up to 25 kmph from the west direction during afternoon hours. The wind speed will be increase becoming up to 20 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 over

- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over North Interior Karnataka during 20th – 23rd, South Interior Karnataka on 20th & 21st, Coastal Andhra Pradesh & Yanam during 20th – 24th, Rayalaseema during 22nd -24th, Gangetic West Bengal on 20th; Bihar on 22nd; Jharkhand on 20th, 23rd & 24th; Odisha on 20th & 21st, Jammu-Kashmir on 21st 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 on 22nd, 25th & 26th; Assam & Meghalaya on 21st, 22nd & 26th; Nagaland, Manipur, Mizoram & Tripura during 22nd – 26th ; Tamil Nadu during 20th -22nd; Kerala & Mahe, South Interior Karnataka on 20th & 21st; Lakshadweep on 20th ; Andaman & Nicobar Islands during 20th-22nd and on 25th & 26th; Sub-Himalayan West Bengal & Sikkim on 21st, 25th & 26th May; **with very heavy rainfall** at a few places over Sub-Himalayan West Bengal & Sikkim on 23rd May; with **isolated very heavy rainfall** over Arunachal Pradesh on 23rd & 24th; Assam & Meghalaya during 23rd-25th ; Sub-Himalayan West Bengal & Sikkim on 22nd & 24th 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 northwest and central India during the week.

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 Heavy Rainfall

- In **Andaman & Nicobar Islands**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.
- In **Sub-Himalayan West Bengal**, complete harvesting of rice, maize, mustard and potato. Maintain proper drainage in standing crops.
- In **Assam and Meghalaya**, make necessary arrangements to remove excess rainwater from the crop fields.
- In **Keralam**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants.
- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.
- In **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.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- **Jammu & Kashmir** - apply light and frequent irrigation to the standing crops, use temporary shade nets to protect the fruit plants from high temperatures.
- In **Uttarakhand**: Provide irrigation to sunflower, fodder maize, tomato, brinjal, etc.
- 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 melon, 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 **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.
- Coastal states (especially Tamil Nadu, Kerala and Lakshadweep), fishermen are advised not to venture into sea.

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 | Hot Day |
| Thunder & Lightning | Hot & Humid | Strong Surface Winds |
| Hailstorm | | |
| Dust Raising 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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