Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 10th March 2026
Time of Issue: 1345 hours IST

Subject: i) Day temperatures likely to remain above normal by 5-7°C over Jammu-Kashmir & Himachal Pradesh; by 4-6°C over plains of Northwest India, Gujarat State, Madhya Pradesh during next 3 days till 12th March.
ii)Scattered to fairly widespread rainfall/snowfall likely over Western Himalayan Region till 16th March with isolated thunderstorm, lightning & gusty winds along with hailstorm over Jammu-Kashmir, Himachal Pradesh during 10th-12th and with isolated heavy falls over Jammu-Kashmir on 10th & 11th March.
iii) A fresh western disturbance likely to affect Northwest India from 14th March, 2026.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 10th March, 2026:

- **Heat wave to severe heat wave conditions** prevailed in many places of Saurashtra & Kutch, in some places of Gujarat region and isolated pockets over Himachal Pradesh.
- **Dense to very Dense fog (visibility <50 m) conditions** prevailed in isolated pockets of East Uttar Pradesh and **dense fog (visibility 50-199 m) conditions** in isolated pockets over West Uttar Pradesh and Punjab.
- **Visibility Reported (in meters <200 m): East Uttar Pradesh:** Prayagraj 30m, Fursatganj 50m; **West Uttar Pradesh:** Meerut 100m; **Punjab:** Patiala 150m.

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

- **Maximum/day temperatures** were in the range of 38-41°C at many places over West Rajasthan, Vidarbha, Saurashtra & Kutch; at a few places over Madhya Pradesh, Telangana, East Rajasthan, Gujarat State; at isolated places over Coastal Karnataka, Odisha, Konkan & Goa, Marathwada; 35-38°C at many places over Delhi, Madhya Maharashtra, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal; at a few places over East Uttar Pradesh, Haryana-Chandigarh, South Interior Karnataka, Kerala; at isolated places over Gangetic West Bengal, Jharkhand. Yesterday, the highest maximum temperature of **41.6°C** was reported at **Rajkot, Surendranagar (Saurashtra & Kutch).**
- **Maximum Temperatures/day temperatures** were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir, Himachal Pradesh, Delhi, West Rajasthan, Punjab, Gujarat; at a few places over Madhya Pradesh, Arunachal Pradesh; at isolated places over Uttarakhand, West Uttar Pradesh, Konkan & Goa; appreciably above normal (3.1°C to 5.0°C) at many places over Vidarbha; at a few places over Coastal Karnataka, East Uttar Pradesh, Haryana; above normal (1.6°C to 3.0°C) at a few places over Odisha, Jharkhand, Marathwada; at isolated places over Uttarakhand, North Interior Karnataka, Konkan & Goa, Madhya Maharashtra, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura and near normal over rest parts of the country.
- **Minimum/night temperatures** were in the range of 14–18°C over Himachal Pradesh, Haryana, Rajasthan, Madhya Pradesh, Sikkim, Assam, Madhya Maharashtra. They were in the range of 18–22°C over remaining parts of the plains of the country, except Gangetic West Bengal, north Odisha, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Andaman & Nicobar Islands and Lakshadweep, where they are in the range of 22–27°C. **The lowest minimum temperature of 11.4°C** was observed at **Fatehpur (Rajasthan))** over the plains of India.
- **Minimum/night Temperature** were markedly above normal (5.1°C or more) over Jammu-Kashmir, Himachal Pradesh, Punjab, West Rajasthan, Uttar Pradesh, Bihar, Gangetic West Bengal; appreciably above normal (3.1°C to 5.0°C) over Haryana, Chandigarh & Delhi, remaining parts of Rajasthan, Madhya Pradesh, Gujarat State, Jharkhand, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam; above normal (1.6°C to 3.0°C) over Mizoram, Maharashtra, Karnataka, Telangana, Kerala & Mahe and below normal (-3.0°C to -1.6°C) at isolated places over Rayalaseema, Tamil Nadu and near normal over rest parts of the country.

Weather Systems, Forecast and Warnings (refer to ANNEXURE I & II):

- An upper air **cyclonic circulation** lies over east Bangladesh in lower tropospheric levels, with a trough aloft in middle tropospheric westerlies roughly along Long. 90°E to the north of Lat. 23°N.
- An upper air **cyclonic circulation** lies over south Jharkhand and adjoining north Chhattisgarh and a **trough** runs from this cyclonic circulation to Marathwada in lower tropospheric levels.
- The **Western Disturbance** as a trough in middle level tropospheric westerlies roughly along Long. 48°E to the north of Lat. 28°N.
- An upper air **cyclonic circulation** lies over central Pakistan in lower tropospheric levels.
- A **trough** in easterlies over Lakshadweep runs roughly along 75°E to the north of latitude 6°N in lower tropospheric levels.
- An upper air **cyclonic circulation** lies over southwest Bay of Bengal and adjoining north Sri Lanka in lower tropospheric levels.
- **Subtropical westerly Jet Stream** with core winds of the order of 75 knots at 12.6 km above mean sea level prevails over Northwest India.
- A fresh Western Disturbance likely to affect Northwest India from 14th March, 2026.

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

- **Scattered to fairly widespread light to moderate rainfall/snowfall** likely over Jammu-Kashmir during 10th-12th and decrease to **Isolated** light rainfall/snowfall during 13th-16th March. **Isolated to scattered** light rainfall/snowfall also likely over Himachal Pradesh and Uttarakhand during 10th-16th March. **Thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Jammu-Kashmir on 10th & 11th and over Himachal Pradesh on 11th, 12th & during 14th -16th March.
- **Isolated** light rainfall also likely over Punjab, Haryana, Chandigarh during 14th-16th; West Uttar Pradesh on 15th & 16th; West Rajasthan on 14th; East Rajasthan on 14th & 15th March.
- **Isolated to Scattered** light/moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Punjab during 14th-16th; Odisha on 10th & 11th; Vidarbha, Chhattisgarh on 13th & 14th; Sub-Himalayan West Bengal & Sikkim during 10th-13th; Gangetic West Bengal, Jharkhand during 10th-12th; Bihar on 11th, 15th & 16th March and with **thunderstorm & lightning** over Rajasthan on 14th; Kerala & Mahe, Lakshadweep on 10th and over East India during 10th-16th March.
- **Hailstorm** very likely at isolated places over Jammu-Kashmir on 10th and Himachal Pradesh on 11th & 12th March.
- **Heavy Rainfall/snowfall** likely at isolated places over Jammu-Kashmir on 10th & 11th; Arunachal Pradesh on 12th & 13th; **Heavy Rainfall** at isolated places over Assam & Meghalaya on 14th March.

Heat Wave and Hot & Humid weather Warnings:

- **Heat wave to severe heat wave conditions** very likely in isolated pockets over Himachal Pradesh and north Konkan on 10th and Gujarat State on 10th & 11th and **heat wave conditions** in isolated pockets over West Rajasthan, Vidarbha on 10th & 11th; north Konkan on 11th and Gujarat State on 12th March.
- **Hot & humid conditions** very likely to prevail in isolated pockets over coastal areas of Gujarat State during 10th-13th March.

Forecast of maximum/day temperatures:

- Gradual fall in maximum temperature by 5-6°C over Western Himalayan region during next 7days & no significant change in maximum temperature likely over plains of Northwest India during next 2 days and gradual fall by 2-4°C during subsequent 5 days except Uttar Pradesh where no significant change in maximum temperature during next 5 days and gradual fall by 2-3°C during subsequent 2 days. **Hence, Day temperatures likely to continue to remain above normal by 5-7°C over Jammu-Kashmir & Himachal Pradesh during next 2 days till 10th March; by 4-6°C over plains of Northwest India, Gujarat State, Madhya Pradesh during next 3 days till 11th March.**
- No significant change in maximum temperatures likely over Central & Northeast India during next 3 days and gradual fall by 3-4°C during subsequent 4 days.
- No significant change in maximum temperatures likely over Gujarat and Konkan & Goa during next 2-3 days and gradual fall by 2-3°C during subsequent 5 days.
- No significant change in maximum temperature likely over interior Maharashtra during next 7days.
- No significant change in maximum temperature likely over South Peninsular India during next 2 days and gradual rise by 2-3°C during subsequent 5 days. **Day temperatures likely to be above normal by 2-3°C over Southeast Peninsular India during next 5 days.**
- No significant change in maximum temperatures likely over rest parts of the country.

Fishermen Warning:

Fishermen are advised not to venture into the following areas during 10th March to15th March, 2026:

- ❖ Bay of Bengal: No warning.
- ❖ Arabian Sea: Along and off the parts of south and adjoining north Gujarat coasts.

Weather conditions and forecast over Delhi/NCR during 10th-13th March, 2026 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php
For District wise warnings refer: https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php
For Fishermen warning refer https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php

ANNEXURE I

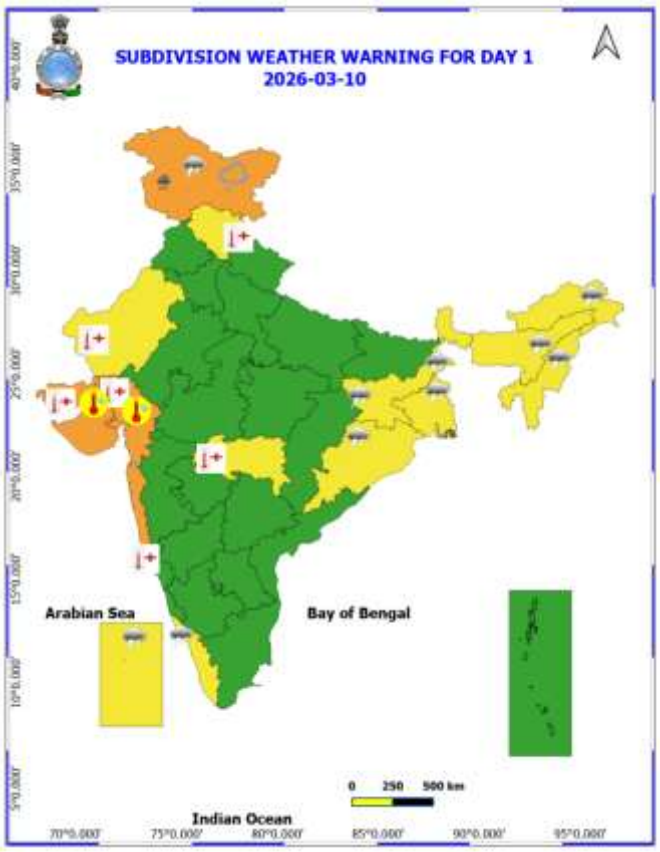
Table-1

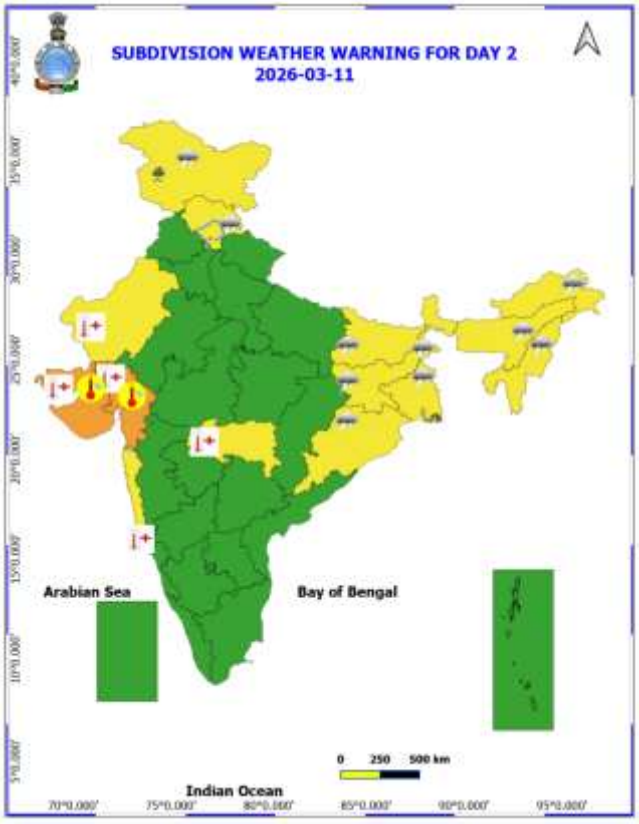
7 Days Rainfall Forecast

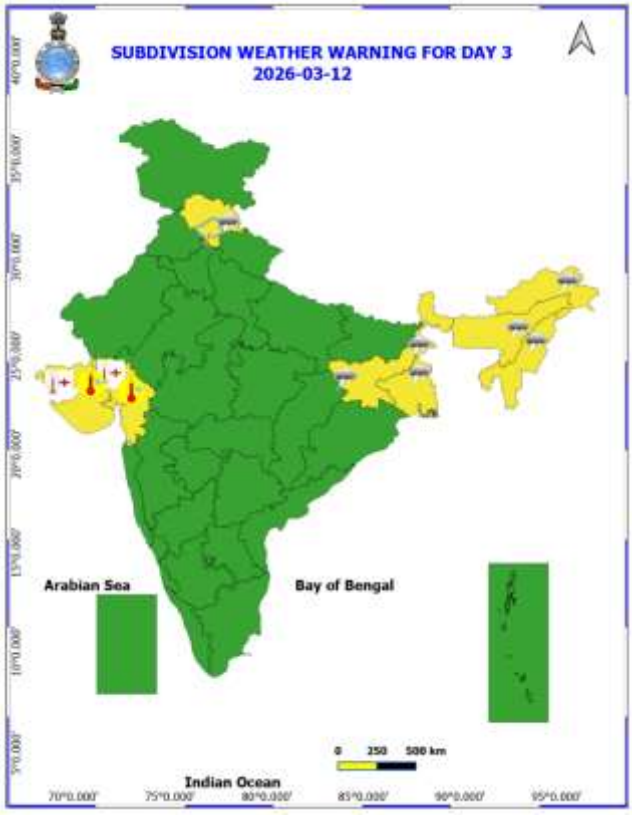
S.No.	Subdivision	10- Mar	11- Mar	12- Mar	13- Mar	14- Mar	15- Mar	16- Mar
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	SCT	SCT	FWS	FWS	FWS	FWS
3	ASSAM & MEHGHALAYA	ISOL	ISOL	SCT	FWS	FWS	FWS	FWS
4	NAGALAND, MANIPUR,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

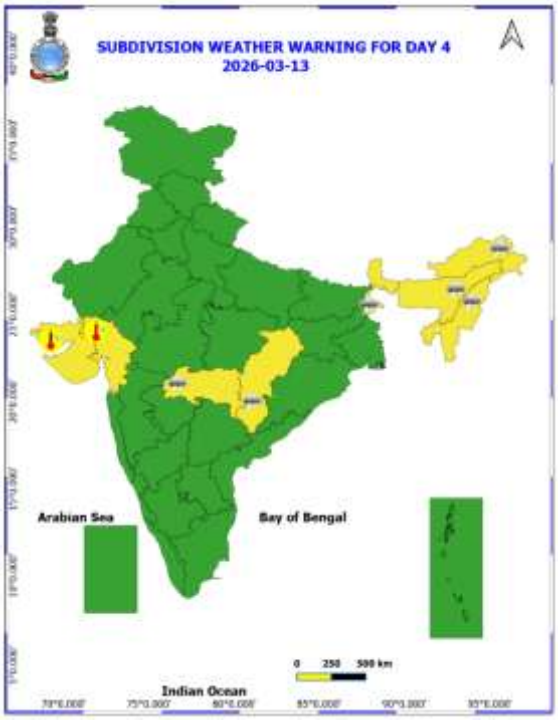
- **As the lead period increases forecast accuracy decrease.**

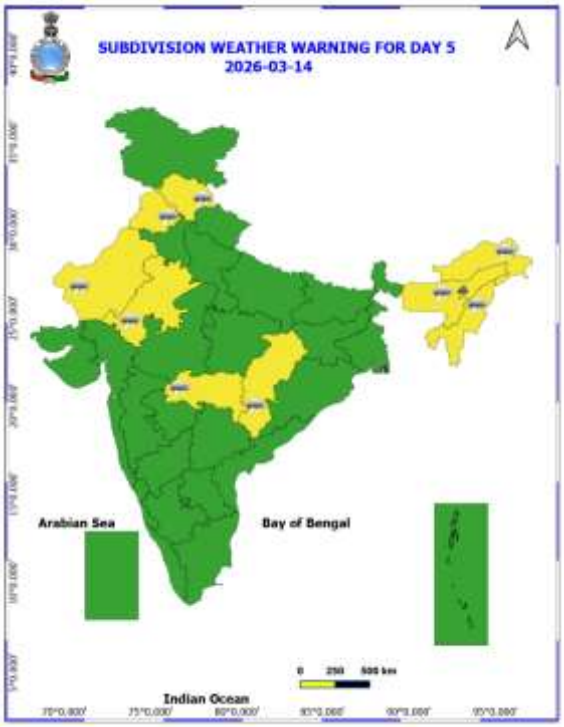
ANNEXURE II

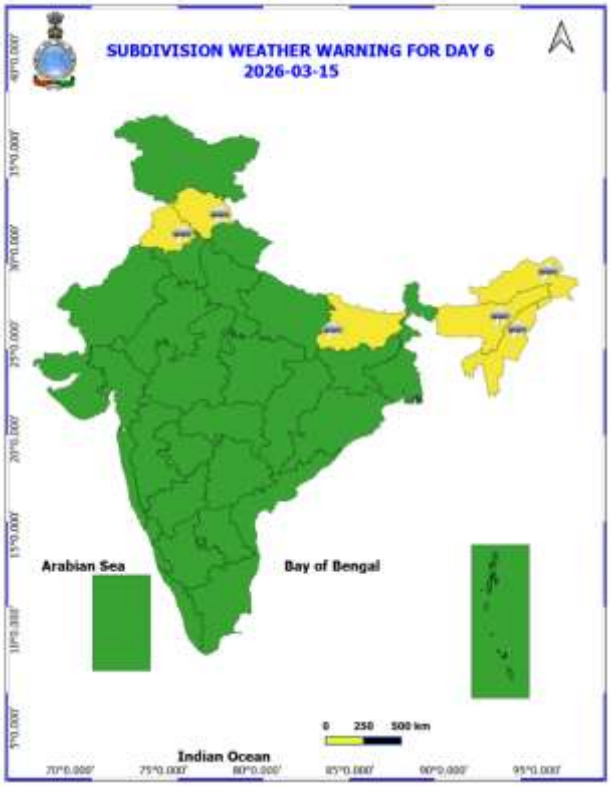

SUBDIVISION WEATHER WARNING FOR DAY 1
2026-03-10
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km

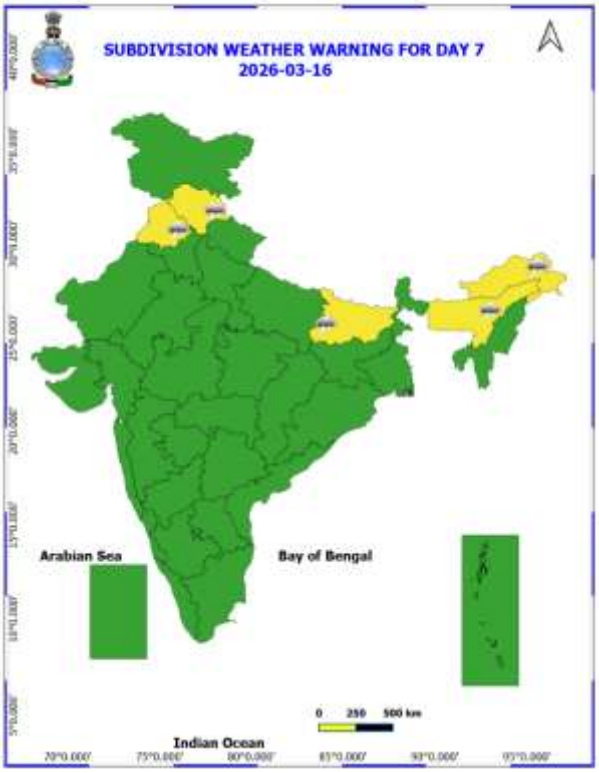

SUBDIVISION WEATHER WARNING FOR DAY 2
2026-03-11
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 3
2026-03-12
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km









- **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.**

DetaileddistrictwiseMultiHazardweatherwarningfornextfivedaysavailableat
https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

ANNEXURE III

Weather forecast over Delhi/NCR during 10th to 13th March 2026

Past Weather:

There has been no large change in minimum temperatures and a fall in maximum temperatures by 1-3°C over the past 24 hours in Delhi. The maximum temperatures were in the range of 33-36°C, and the minimum temperatures were in the range of 18-20°C, respectively, during the past 24 hours over Delhi. The minimum temperatures are markedly above normal (5.1°C or more) at a few places & appreciably above normal (3.1°C to 5.0°C) at many places over Delhi. Maximum temperatures were markedly above normal (5.1°C or more) at many places and appreciably above normal (3.1°C to 5.0°C) at isolated places over Delhi. Partly cloudy sky with sustained surface wind from the west direction reaching up to 15 kmph prevailed during the past 24 hours. Partly cloudy sky with wind speed reaching up to 10 kmph from the west-northwest direction prevailed over the region in the forenoon today.

Weather Forecast:

10.03.2026: Partly cloudy sky. The maximum temperatures over Delhi are likely to be in the range of 35°C to 37°C. The maximum temperatures will be markedly above normal (5.0°C or more) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 15 kmph during the afternoon hours. The wind speed will gradually decrease, becoming less than 08 kmph from the west-southwest direction during the evening and night.

11.03.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°C and 17°C to 19°C, respectively. The minimum temperature will be appreciably above normal (3.1°C to 5.0°C) at most places and markedly above normal (5.0°C or more) at isolated places. The maximum temperature will be markedly above normal (5.0°C or more) at most places over Delhi. The predominant surface wind is likely to be from the west direction with wind speed less than 06 kmph during the morning hours. The wind speed will increase up to 15 kmph from the west-northwest direction during the afternoon. The wind speed will gradually decrease, becoming less than 06 kmph from the south-southwest direction during the evening and night.

12.03.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 34°C to 36°C and 17°C to 19°C, respectively. The minimum temperature will be appreciably above normal (3.1°C to 5.0°C) at most places and markedly above normal (5.0°C or more) at isolated places. The maximum temperature will be markedly above normal (5.0°C or more) at most places over Delhi. The predominant surface wind is likely to be from the west-northwest direction with wind reaching up to 05 kmph during the morning hours. The wind speed will remain the same up to 10 kmph from the northwest direction during the afternoon. The wind speed will gradually increase, becoming less than 16 kmph from the south direction during the evening and night.

13.03.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 34°C to 36°C and 17°C to 19°C, respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places and appreciably above normal (3.1°C to 5.0°C) at isolated places. The maximum temperature will be markedly above normal (5.0°C or more) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 12 kmph during the morning hours. The wind speed will increase up to 15 kmph from the northwest direction in the afternoon. The wind speed will gradually decrease, becoming less than 12 kmph from the northwest direction during the evening and night.

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

- ✓ **Hailstorm** very likely at isolated places over Jammu-Kashmir on 10th and Himachal Pradesh on 11th & 12th March.
- ✓ **Isolated thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Jammu-Kashmir, Odisha on 10th & 11th; Himachal Pradesh on 11th, 12th & during 14th -16th; Sub-Himalayan West Bengal & Sikkim during 10th-13th; Gangetic West Bengal, Jharkhand during 10th-12th; Bihar on 11th, 15th & 16th; Vidarbha, Chhattisgarh on 13th & 14th; Punjab during 14th-16th March.

Impact expected:

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

Action suggested:

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

Impact expected and action suggested due Heat wave/severe heat wave conditions

- ❖ **Heat wave to severe heat wave conditions** very likely in isolated pockets over Himachal Pradesh and north Konkan on 10th and Gujarat State on 10th & 11th and **heat wave conditions** in isolated pockets over West Rajasthan, Vidarbha on 10th & 11th; north Konkan on 11th and Gujarat State on 12th March.

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 Above normal Temperatures

- ➢ Agromet advisories for likely impact of Hailstorms
- ➢ Use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage in Himachal Pradesh.
- ➢ Agromet advisories for likely impact of Heavy Rainfall
- ➢ In Arunachal Pradesh, undertake harvesting of cabbage, pea, mustard and late-maturing paddy varieties, digging of mature potatoes and shift the harvested produce to safe places.

- In Sub-Himalayan West Bengal, undertake digging of matured potatoes as early as possible during clear weather.

Likely Impact of Above normal Temperatures

- Increased evapotranspiration leading to soil moisture depletion and moisture stress, which may adversely affect crop growth, seed development and yield.
- Accelerated crop maturity, shortened grain filling duration and shrivelled grain formation, resulting in possible yield reduction in wheat crop.
- Increased moisture stress and reduced grain filling in cereals and other rabi crops such as rabi maize, sorghum and other late sown rabi crops (vegetative to reproductive stages).
- Flower drop, poor pod setting, premature pod drying and reduction in seed size and seed weight in oilseed and pulse crops.
- Reduced tuber bulking and early plant senescence in tuber crops such as potato.
- Flower drop, fruit sunscald and reduction in marketable yield in vegetable crops such as tomato, capsicum, cabbage and cauliflower.
- Flower drop, reduced fruit setting, premature fruit drop, fruit sunburn (or sunscald), reduction in fruit size, uneven ripening, deformities such as spongy tissue (especially in mango), along with an overall decrease in yield and quality in horticultural crops (such as mango, apple, orange, etc.),
- Increased crop water requirements and higher risk of water stress under limited irrigation conditions.
- Reduced feed intake, milk yield and egg production along with increased water requirement in livestock and poultry.
- Agromet advisories for likely impact of Above normal Temperatures
- In Jammu and Kashmir, apply light irrigation to wheat, mustard and vegetables.
- In Himachal Pradesh, provide protective irrigation to wheat and early vegetables. Maintain ventilation in polyhouses for capsicum and tomato.
- In Punjab, maintain optimum soil moisture through irrigation in mustard, gobhi sarson and potato. Provide irrigation to wheat at grain filling stage as required.
- In Haryana, provide light irrigation to mustard and gram at flowering and pod formation stages. Maintain optimum soil moisture in wheat during grain filling stage.
- In Uttarakhand, provide light and frequent irrigation in wheat, lentil, chickpea and mustard during critical growth stages (flowering and grain filling in wheat, pod formation in mustard and gram etc.).
- In Rajasthan, provide protective irrigation in cumin, isabgol, mustard and gram during morning or evening hours to minimize heat stress.
- In Uttar Pradesh, provide light irrigation in wheat (grain filling stage), mustard and gram crops during morning or evening hours to reduce adverse impacts of heat.
- In Gujarat, apply light irrigation in wheat (grain filling stage), chickpea and cumin.
- In Maharashtra, apply irrigation at frequent intervals to reduce premature fruit drop and sun scorching in mango and undertake pre-harvest bagging of mango fruits using newspaper bags to prevent sun scalding in Konkan. Apply irrigation in late sown rabi crops like wheat, groundnut, sesame, safflower, sorghum, orchards and vegetables as per requirement and use straw mulch to reduce evaporation losses in Vidarbha.
- In Madhya Pradesh, provide light and frequent irrigation in wheat and chickpea during critical stages. Complete harvesting of matured mustard during morning/evening hours and keep the produce in safe places.
- In Chhattisgarh, provide light and frequent irrigation in standing crops such as wheat, chickpea, lentil and mustard to minimize heat stress and maintain adequate soil moisture.
- In Arunachal Pradesh, provide regular irrigation to winter vegetables (cabbage, cauliflower, tomato) during early morning or evening hours. Undertake harvesting of matured mustard crops and keep harvested produce in safe places.
- In Assam, maintain optimum water level (2–5 cm) in Boro rice fields.
- In Andhra Pradesh, apply light irrigation in rabi maize, groundnut, and pulses to avoid moisture stress. Apply mulching or light watering to conserve soil moisture in standing rabi crops under dry and sunny conditions. Maintain a standing water depth of about 5 cm in the main field during the tillering stage in rice.
- Take appropriate action for conservation of soil moisture through mulching, proper field bunding, and avoiding unnecessary intercultivation.

Livestock / Poultry

- Provide clean, hygienic and plenty of drinking water to animals.
- To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass.

Legends & abbreviations:

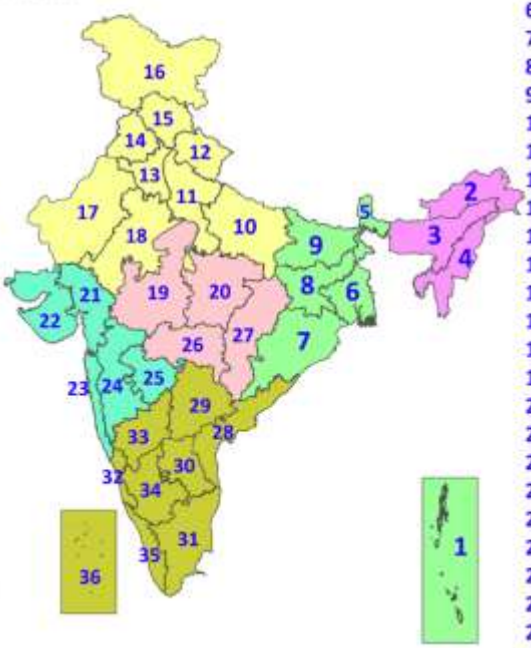
- **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO**: 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, 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.

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

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 Rain
Very Heavy Rain
Extremely Heavy Rain
Thunder & Lightning
Hailstorm
Dust Raising Winds
Heavy Snow
Dust Storm
Heat Wave
Warm Night
Hot Day
Hot & Humid
Strong Surface Winds
Cold Wave
Cold Day
Ground Frost

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 ≥40° C for plains and ≥30° 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 ≥6.5° C **(b). Based on Actual maximum temperature** **Heat Wave:** When actual maximum temperature ≥45°C. **Severe Heat Wave:** When actual maximum temperature ≥47°C **(c). Criteria for heat wave for coastal stations** When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°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 °C.
Cold Wave	**When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C **(b) Based on actual Minimum Temperature (for Plains only)** **Cold Wave :** When Minimum Temperature is ≤ 4.0 °C **Severe Cold Wave:** When Minimum Temperature is ≤ 2.0 °C **(c) For Coastal Stations** When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C
Cold Day	**When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C
Fog	**Phenomenon of small droplets suspended in air and the horizontal visibility < 1km** **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 ≤4°C (over Plains)
Squall	**A strong wind that rises suddenly, lasts for atleast 1 minute.** **Moderate**: Wind speed 52-61 kmph **Severe**: Wind speed 62-87 kmph **Very Severe**: Wind speed >87 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 Strom**: Wind speed >220 kmph (>119 knots)

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