



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 12th March 2026
Time of Issue: 1330 hours IST

- Subject:** i) Heat wave to severe heat wave conditions likely to continue over Gujarat state and adjoining southwest Madhya Pradesh on 12th & 13th March and abating thereafter.
ii) Isolated heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim on 12th & 13th; Arunachal Pradesh and Assam & Meghalaya during 12th-14th; Nagaland, Manipur, Mizoram & Tripura on 16th & 17th March with isolated very heavy rainfall over Arunachal Pradesh on 13th March.
iii) Isolated thunderstorm, lightning & gusty winds likely over Western Himalayan Region on 12th & during 14th-16th and adjoining plains on 15th & 16th March.
iv) Isolated thunderstorm, lightning & gusty winds also likely over Central India during 14th-16th and over East India during 15th-17th March.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 12th March, 2026:

- ❖ **Heat wave to severe heat wave conditions** prevailed in many places of Saurashtra & Kutch, in some places of Gujarat region and in isolated pockets over Himachal Pradesh; **Heat wave conditions** prevailed in isolated pockets of Vidarbha.
- ❖ **Heavy rainfall** has been recorded at isolated places over Arunachal Pradesh and Sub-Himalayan West Bengal.
- ❖ **Hailstorm** has been recorded at isolated places over Shillong (Meghalaya).

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

- ❖ **Maximum/day temperatures** were in the range of 38-42°C at many places over Gujarat state, West Rajasthan, Vidarbha; at a few places over Madhya Pradesh, Marathwada; at isolated places over Chhattisgarh, Odisha; 35-38°C at most places over Delhi; at many places over Madhya Maharashtra and South Peninsular India; at isolated places over south Haryana, south Uttar Pradesh, west Jharkhand. **Yesterday, the highest maximum temperature of 42.4°C was reported at Nandurbar (Madhya Maharashtra).**
- ❖ **Maximum Temperatures/day temperatures** were markedly above normal (> 5.1°C) at most places over Haryana-Chandigarh-Delhi, Rajasthan; at many places over Punjab, Gujarat State; at a few places over Arunachal Pradesh, Uttar Pradesh, Uttarakhand, Himachal Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, Konkan & Goa, Vidarbha and Chhattisgarh; appreciably above normal (3.1°C to 5.0°C) at many places over Sub Himalayan West Bengal & Sikkim; at a few places over Madhya Maharashtra and Coastal Karnataka; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, Bihar, Marathwada and Coastal Andhra Pradesh & Yanam; above normal (1.6°C to 3.0°C) at isolated places over Gangetic West Bengal, Telangana and Kerala & Mahe and near normal over rest parts of the country.
- ❖ **Minimum/night temperatures** were in the range of 14-18°C over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Madhya Pradesh, Sikkim, Assam & Meghalaya, Mizoram, Madhya Maharashtra, South Interior Karnataka. They were in the range of 18-22°C over remaining parts of the plains of the country, except Bihar, Gangetic West Bengal, Konkan & Goa, Gujarat State, Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Tamil Nadu, Andaman & Nicobar Islands and Lakshadweep, where they are in the range of 22-27°C. **Today, the lowest minimum temperature of 13.7°C was observed at Ambikapur (Chhattisgarh) over the plains of India.**
- ❖ **Minimum/night Temperature** were markedly above normal (5.1°C or more) over Himachal Pradesh, Punjab, Bihar; appreciably above normal (3.1°C to 5.0°C) over Jammu-Kashmir, Uttarakhand, Haryana, Chandigarh & Delhi, West Rajasthan, Uttar Pradesh, West Madhya Pradesh, Gujarat Region, West Bengal & Sikkim, Assam & Meghalaya; above normal (1.6°C to 3.0°C) over Jharkhand, Odisha, Saurashtra & Kutch, East Madhya Pradesh, Maharashtra, and below normal (-3.0°C to -1.6°C) at isolated places over Chhattisgarh, South Interior Karnataka, Coastal Andhra Pradesh & Yanam and near normal over rest parts of the country.

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

- ❖ The **Western Disturbance** as a trough in middle level tropospheric westerlies runs roughly along Long. 69°E to the north of Lat. 33°N.
- ❖ An upper air **cyclonic circulation** lay over Central Assam & neighbourhood in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lay over Comorin area & neighbourhood in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lay over Bangladesh and adjoining Gangetic West Bengal in lower tropospheric levels and the trough aloft in lower level westerlies roughly along Long. 90°E to the north of Lat. 22°N.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 90 knots at 12.6 km above mean sea level prevails over North India.
- ❖ A fresh **Western Disturbance** is likely to affect northwest India from 14th March 2026.

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

Northwest India:

- ✓ **Fairly widespread** light to moderate rainfall/snowfall likely over Jammu-Kashmir-Ladakh and Himachal Pradesh on 12th and decrease to **isolated light rainfall/snowfall on 13th & 14th; increase to scattered to fairly widespread light to moderate rainfall/snowfall during 15th-18th**. **Isolated** light rainfall/snowfall also likely over Uttarakhand during 12th-14th March with **scattered to fairly widespread light to moderate rainfall/snowfall on 15th & 16th March**. **Thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Jammu-Kashmir-Ladakh, Himachal Pradesh on 12th, 15th & 16th and Uttarakhand on 12th & during 14th-16th March.
- ✓ **Isolated** light rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** also likely over Punjab on 12th & during 14th-17th; Haryana Chandigarh during 15th-17th; Uttar Pradesh on 15th & 16th; with **thunderstorm & lightning** over Rajasthan on 14th & 15th March.

Northeast India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall with **thunderstorm & lightning** likely over Northeast India during 12th-18th March; with **gusty winds speed reaching (30-40 kmph)** over Arunachal Pradesh during 13th-15th; Assam & Meghalaya during 12th-15th and Nagaland, Manipur, Mizoram & Tripura on 13th March.
- ✓ Isolated **heavy rainfall/snowfall** very likely over Arunachal Pradesh during 12th-15th with **heavy to very heavy rainfall/snowfall** on 13th March.
- ✓ Isolated **heavy rainfall** over Assam & Meghalaya during 12th-15th; Nagaland, Manipur, Mizoram & Tripura on 16th & 17th March.

East & Central India:

- ✓ **Isolated to Scattered** light/moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Vidarbha & Chhattisgarh during 13th-16th; West Madhya Pradesh on 15th; East Madhya Pradesh on 15th & 16th; Sub-Himalayan West Bengal & Sikkim during 12th-16th; Gangetic West Bengal, Bihar on 12th & during 15th-17th; Jharkhand on 12th & during 15th-18th; Odisha on 12th, 15th & 16th March.
- ✓ Isolated **heavy rainfall** very likely over Sub-Himalayan West Bengal & Sikkim on 12th & 13th March.

South Peninsular India:

- ✓ **Isolated** light/moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-40 kmph)** likely over Telangana on 15th & 16th; with **thunderstorm & lightning** over Coastal Andhra Pradesh & Yanam during 16th -18th; Rayalaseema on 17th & 18th March.

West India:

- ✓ **Isolated** light/moderate rainfall with **thunderstorm & lightning** likely over Madhya Maharashtra and Marathwada during 14th-17th March.

Forecast of maximum/day temperatures:

- ❖ No significant change in maximum temperatures likely over Western Himalayan region during next 24 hours; gradual rise by 3-5°C during subsequent 2 days and gradual fall by 3-5°C during subsequent 4 days.
- ❖ Gradual fall in maximum temperature by 2-3°C likely over plains of Northwest India during next 2 days and no significant change during subsequent 5 days except over Uttar Pradesh where no significant change in maximum temperatures likely during next 2 days and rise by 2°C during subsequent 2 days and gradual fall by 2-3°C thereafter.
- ❖ No significant change in maximum temperatures likely over Central India during next 2 days and gradual fall by 3-5°C thereafter.

- ❖ No significant change in maximum temperatures likely over East India during next 24 hours; gradual rise by 2-3°C during subsequent 2 days and gradual fall by 2-3°C thereafter.
- ❖ Gradual fall in maximum temperature by 4-5°C likely over Northeast India during next 2 days and no significant change during subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over Gujarat State during next 24 hours and gradual fall by 2-4°C during subsequent 6 days.
- ❖ No significant change in maximum temperatures likely over Maharashtra during next 3 days and gradual fall by 2-3°C during subsequent 4 days.
- ❖ No significant change in maximum temperatures likely over South Peninsular India during next 5 days.

Heat Wave, Hot & Humid weather and Warm Night Warnings:

- ❖ **Heat wave to severe heat wave conditions** very likely in some places over Saurashtra & Kutch on 12th and **heat wave conditions** in isolated pockets on 13th March. Isolated Heat Wave conditions likely over Gujarat region on 12th & 13th March.
- ❖ **Heat wave to severe heat wave conditions** very likely in isolated pockets over South west Madhya Pradesh on 12th & 13th March.
- ❖ **Heat wave conditions** in isolated pockets over Vidarbha on 12th; Himachal Pradesh and north Konkan on 13th & 14th March.
- ❖ **Hot & humid conditions** very likely to prevail in isolated pockets over coastal areas of Saurashtra & Kutch, Coastal Karnataka, Kerala & Mahe on 12th & 13th March and over Gujarat region during 12th-14th March.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over Saurashtra & Kutch on 12th & 13th and Gujarat Region on 12th March.

Weather conditions and forecast over Delhi/NCR during 12th-15th March, 2026 (ANNEXURE III)

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>

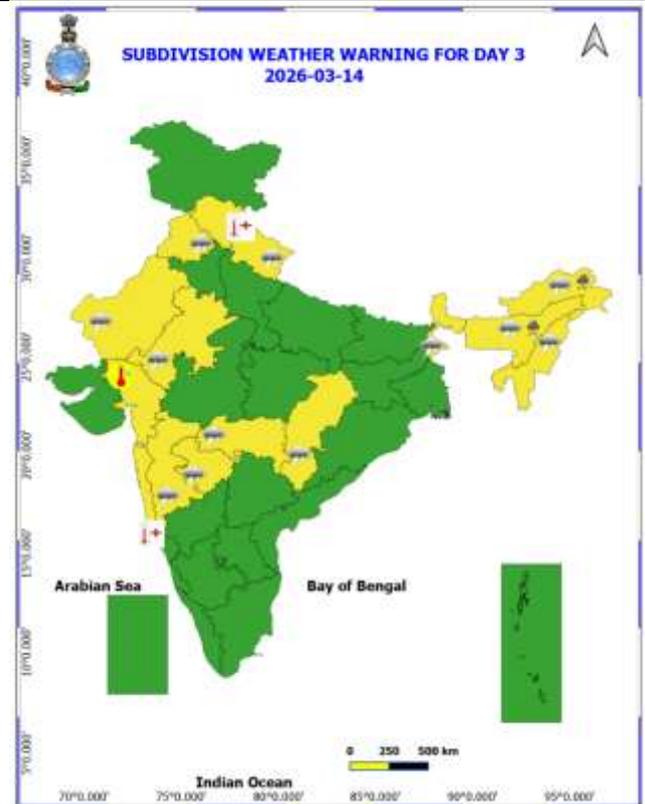
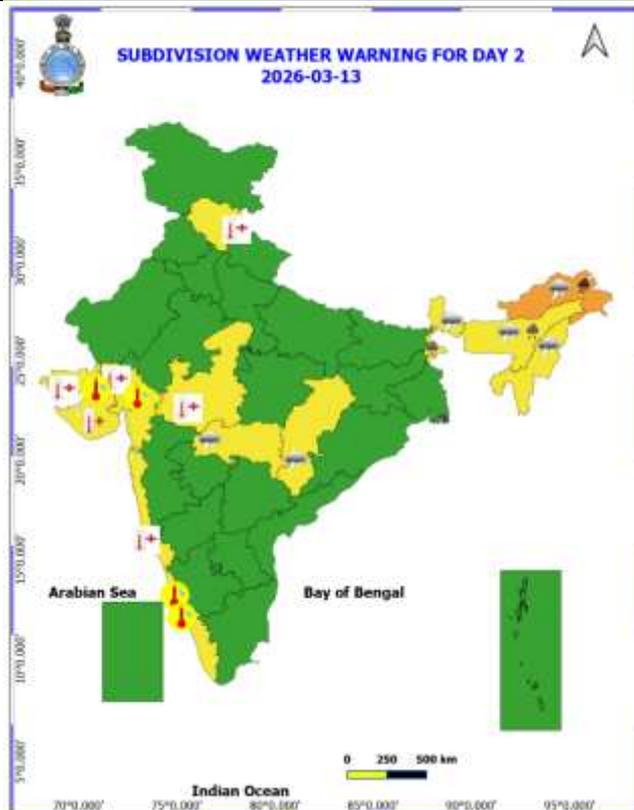
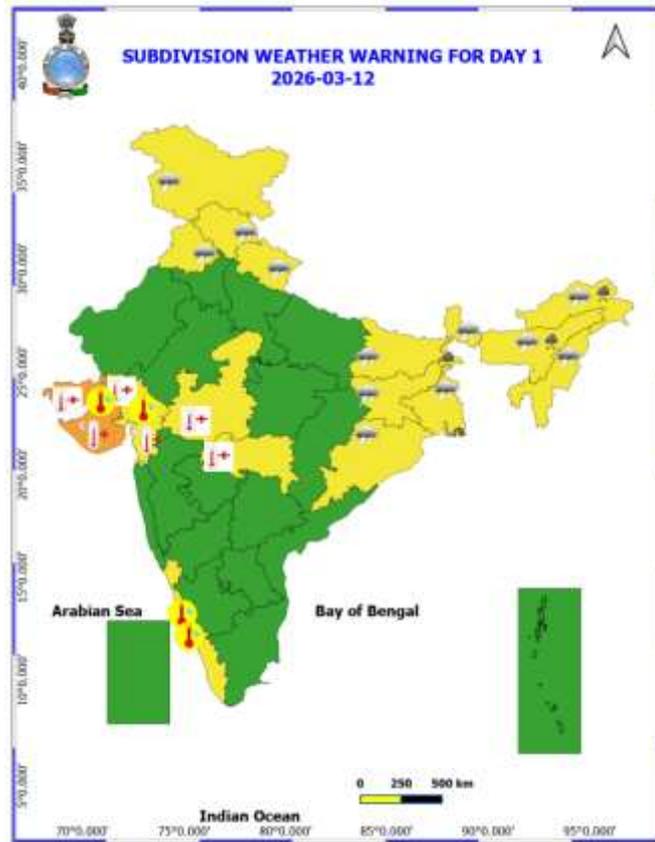
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

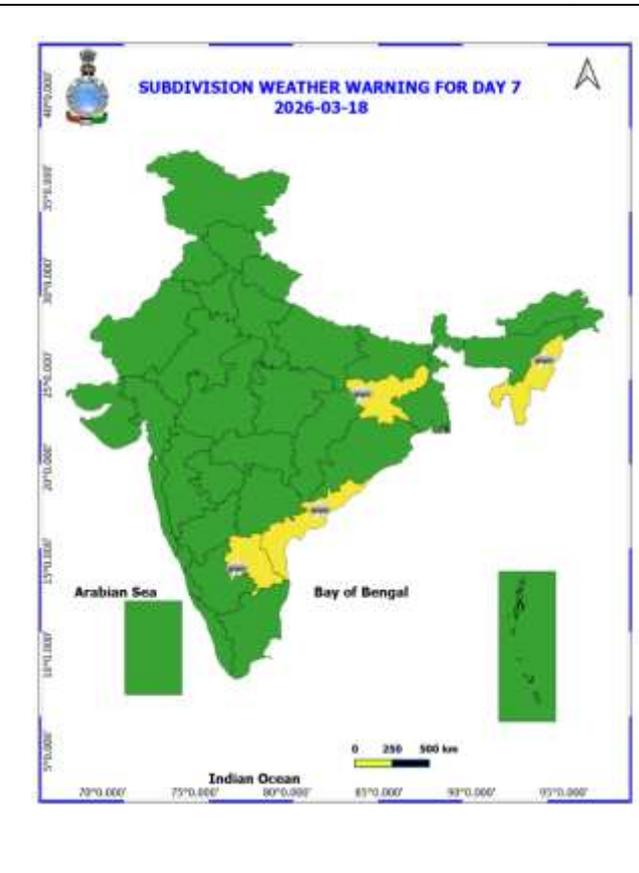
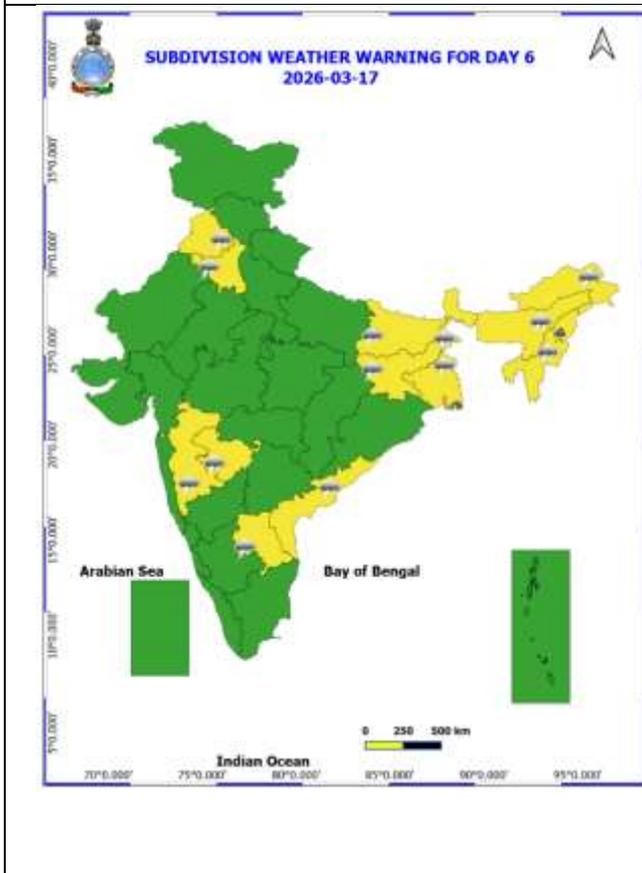
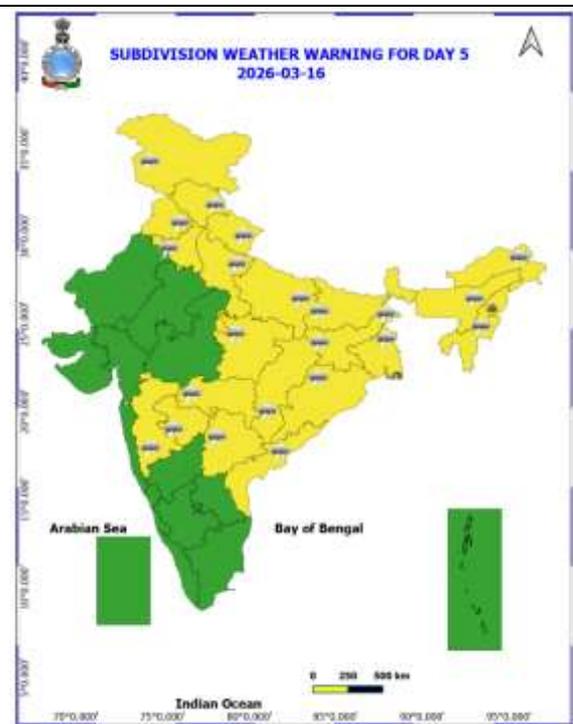
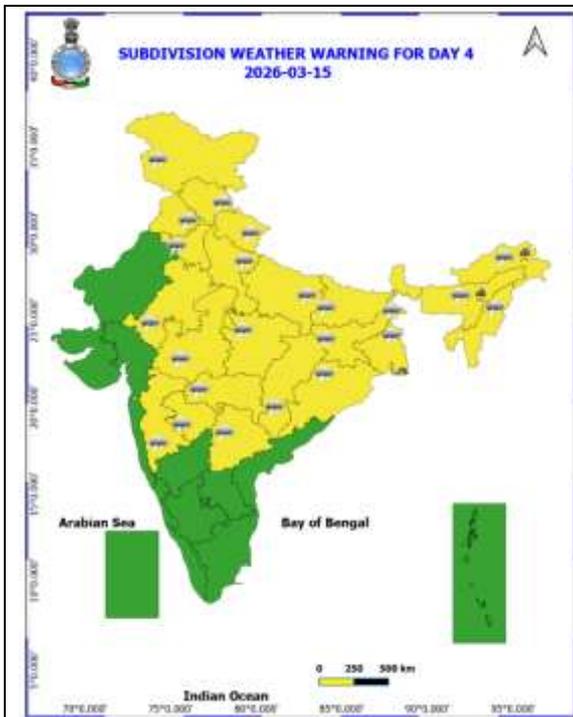
Significant rainfall recorded (in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Sub-Himalayan West Bengal:** Raiganj (dist North Dinajpur) 10, Majhian (dist South Dinajpur) 7;
- ❖ **Arunachal Pradesh:** Tuting 9.

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

- 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 districtwise MultiHazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 12th to 15th March 2026**Past Weather:**

There has been rise in minimum temperatures and maximum temperatures by 1-2 °C during past 24 hours over Delhi. The maximum temperatures were in the range of 35-37 °C and the minimum temperatures are in the range 17-20 °C, respectively during past 24 hours over Delhi. The minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places and above normal (1.6°C to 3.0°C) at isolated places over Delhi. The maximum temperatures are markedly above normal (5.1°C or more) at most places over Delhi. Partly cloudy sky with sustained surface wind from the west direction reaching upto 15 kmph prevailed during past 24 hours. Partly cloudy sky with wind speed reaching up to 10 kmph from west direction prevailed over the region in the forenoon today.

Weather Forecast:

12.03.2026: 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 upto 10 kmph during the afternoon hours. The wind speed will gradually decrease becoming less than 05 kmph from the west direction during evening and night.

13.03.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°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 from west-northwest direction with wind speed reaching upto 10 kmph during the morning hours. The wind speed will increase upto 15 kmph from northwest direction during the afternoon. The wind speed will remain upto 15 kmph from the northwest direction during evening and night.

14.03.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35 °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 associated with calm wind and then reaching upto 05 kmph from the north direction during the morning hours. The wind speed will increase upto 10kmph from northeast direction during the afternoon. The wind speed will gradually decrease becoming less than 06 kmph from the north direction during evening and night.

15.03.2026: Generally cloudy sky. A spell of very light rain/drizzle accompanied with thunderstorm/lightning during morning/forenoon Hours. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 30°C to 32°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 above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is associated with calm wind and then reaching upto 05 kmph from southeast direction with wind speed reaching during the morning hours. The wind speed will increase upto 10 kmph from the east direction in the afternoon. The wind speed will remain upto less than 10 kmph from the east direction during evening and night.

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

- ❖ **Heat wave to severe heat wave conditions** very likely in some places over Saurashtra & Kutch on 12th and **heat wave conditions** in isolated pockets on 13th March. Isolated Heat Wave conditions likely over Gujarat region on 12th & 13th March.
- ❖ **Heat wave to severe heat wave conditions** very likely in isolated pockets over South west Madhya Pradesh on 12th & 13th March.
- ❖ **Heat wave conditions** in isolated pockets over Vidarbha on 12th; Himachal Pradesh and north Konkan on 13th & 14th 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.

Impact & Action Suggested due to heavy/very heavy rainfall:

- ❖ Isolated heavy rainfall/snowfall very likely over Arunachal Pradesh during 12th-15th with heavy to very heavy rainfall/snowfall on 13th March.
- ❖ Isolated heavy rainfall over Sub-Himalayan West Bengal & Sikkim on 12th & 13th; Assam & Meghalaya during 12th-15th; Nagaland, Manipur, Mizoram & Tripura on 16th & 17th March.

Impact Expected

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

Action Suggested

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

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 **Meghalaya**, make necessary arrangements for proper drainage in summer vegetable crops. Carry out staking and propping of plantation crops and protect young seedlings from heavy rainfall. Harvest garden peas when the pods are green, tender, and fully developed, and keep the harvested pods in safer place immediately.
- In **Sub-Himalayan West Bengal**, dig out mature potatoes as soon as possible during clear weather and store the produce in a ventilated, dry, and cool place.

Agromet advisories for likely impact of Thunderstorm / Gusty 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.

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 **Gujarat**, apply light irrigation in wheat (grain filling stage), chickpea, cumin and vegetable crops in the morning and evening hours. Apply mulching with crop residues in vegetable crops to prevent heat damage and conservation of soil moisture. Protect vegetable nurseries and orchards against hot winds by physical barrier like wet gunny bag barriers of hay or sorghum.
- In **Maharashtra**, provide light and frequent irrigation during the evening or early morning hours to sapota, chilli, brinjal and tomato. 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**, apply light irrigation in wheat, chickpea and sugarcane to minimize the impact of high temperature. 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 **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 **Haryana**, provide light irrigation to mustard and gram at flowering and pod formation stages. Maintain optimum soil moisture in wheat during grain filling stage.
- Take appropriate action for conservation of soil moisture through mulching, proper field bunding, and avoiding unnecessary intercultivation.

Livestock / Poultry

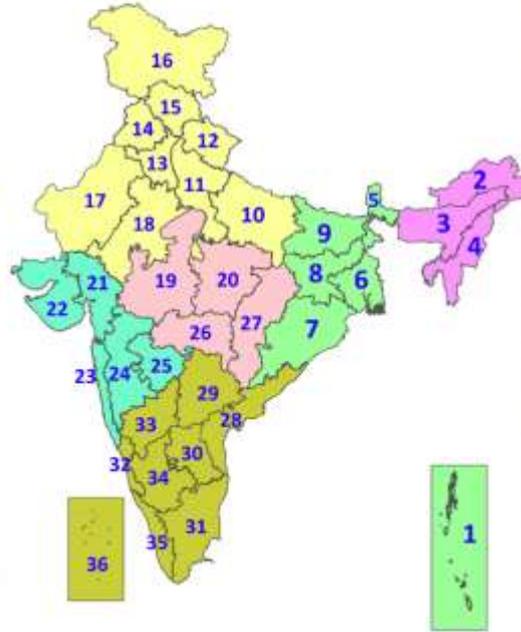
- Provide clean, hygienic and plenty of drinking water to animals.
- To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass.

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.

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 62-87 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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