



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release  
Date: 23<sup>rd</sup> March 2026  
Time of Issue: 1310 hours IST

**Subject: (i) Due to active consecutive three Western Disturbances, isolated to scattered rainfall activity with thunderstorm & gusty winds likely to continue over northwest India during the week.  
(ii) Scattered to fairly widespread rainfall along with thunderstorm/lightning & gusty wind likely over Northeast & adjoining east India during the week with possibility of isolated heavy rainfall over Arunachal Pradesh and Assam & Meghalaya on 24<sup>th</sup> and 27-28<sup>th</sup> March, 2026.  
(iii) Hot & Humid conditions likely to prevail at isolated pockets over Konkan and Kerala during 23<sup>rd</sup> to 25<sup>th</sup> March.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 23<sup>rd</sup> March, 2026:**

- ❖ **Heavy rainfall (7-11cm)** has been recorded at isolated places over Assam.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 30-50 kmph at isolated places over Arunachal Pradesh, Assam & Meghalaya, Imphal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Haryana, West Madhya Pradesh, Vidarbha, Chhattisgarh, Konkan & Goa, Madhya Maharashtra, Marathwada, Gujarat Region, Kutch

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

- ❖ **Maximum/day temperatures** were in the range (35°C-38°C) at many pockets over Rayalaseema, at few places over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Telangana, Marathwada, Madhya Maharashtra, Interior Gujarat, North Interior Karnataka; in the range (30°C-35°C) at many pockets over Central and adjoining areas, western parts of Indo-Gangetic plains. **The highest maximum temperature of 38.5°C is reported at Kurnool (Andhra Pradesh).**
- ❖ **Maximum Temperatures/day temperatures** were appreciably above normal (3.1°C to 5.0°C) at few places over Jammu-Kashmir Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Konkan & Goa and Kerala & Mahe. above normal (1.6°C to 3.0°C) at few places over Coastal Karnataka; at isolated places over Himachal Pradesh, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal. near normal(-1.5°C to 1.5°C) at many places over Uttarakhand and Gujarat Region; at most places over Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Lakshadweep; at few places over Odisha, Punjab, West Rajasthan, Madhya Maharashtra and Telangana; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, East Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Marathwada, Vidarbha, Rayalaseema and North Interior Karnataka.
- ❖ **Minimum/night temperatures** were in the range of 12-18°C over Punjab, Haryana Chandigarh & Delhi, East Rajasthan, Uttar Pradesh, Madhya Pradesh, East India, Assam & Meghalaya, Madhya Maharashtra, Vidarbha, Mizoram and Tripura. They were in the range of 18-25°C over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 12.0 °C was observed at Bhiwani (Haryana) over the plains of India.**
- ❖ **Minimum/night Temperature** were appreciably above normal (3.0°C to 5.1°C) over Rajasthan above normal (1.6°C to 3.0°C) over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, West Uttar Pradesh, Gujarat State, Assam & Meghalaya below normal (-3.0°C to -1.6°C) over Madhya Pradesh, Jharkhand, Odisha, West Bengal & Sikkim, Chhattisgarh, Marathwada, Vidarbha and near normal over rest parts of the country.

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

- ❖ The **Western Disturbance** as an upper air cyclonic circulation now lies over Jammu & neighbourhood. Thereafter, two **Western Disturbances** in quick succession are likely to affect northwest India, 1st from 26th and 2nd from the night of 28th March 2026, respectively.

- ❖ An **upper air cyclonic circulation** lies over central Pakistan & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over northeast Rajasthan & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over northeast Assam & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over north Coastal Andhra Pradesh & neighbourhood in lower tropospheric level.
- ❖ The **trough/wind** discontinuity runs from Gulf of Mannar to West Vidarbha in lower tropospheric level.

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

#### **Northwest India:**

- ❖ **Isolated to scattered** light rainfall/snowfall with isolated thunderstorm, lightning & gusty winds speed reaching (30-50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 26<sup>th</sup> & 28<sup>th</sup>; Himachal Pradesh on 23<sup>rd</sup> & 26<sup>th</sup>; Uttarakhand on 23<sup>rd</sup> & 27<sup>th</sup> March.
- ❖ **Isolated** thunderstorm, lightning & gusty winds speed reaching (30-50 kmph) likely over Punjab and Haryana Chandigarh & Delhi on 26<sup>th</sup>; Rajasthan on 28<sup>th</sup> March.
- ❖ Another fresh wet spell with scattered to **fairly widespread light to moderate** rainfall/snowfall likely with isolated thunderstorm, lightning & gusty winds speed reaching (30-50 kmph) over western Himalayan region on 29<sup>th</sup> with isolated to scattered light to moderate rainfall likely with isolated thunderstorm, lightning & gusty winds speed reaching (30-50 kmph) over Punjab, Haryana Chandigarh & Delhi and Rajasthan on 29<sup>th</sup> March.

#### **Northeast India:**

- ❖ **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds speed reaching (30-50 kmph)** likely over Arunachal Pradesh on 24<sup>th</sup>; Assam & Meghalaya on 24<sup>th</sup> & 27<sup>th</sup> March; **Thunderstorm & lightning** likely over Arunachal Pradesh during 23<sup>rd</sup> -25<sup>th</sup>; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 23<sup>rd</sup> -27<sup>th</sup> March.
- ❖ **Isolated heavy rainfall** likely over Assam & Meghalaya and Arunachal Pradesh on 24<sup>th</sup>, 27<sup>th</sup> & 28<sup>th</sup> and Nagaland, Manipur, Mizoram & Tripura on 28<sup>th</sup> March.

#### **East India:**

- ❖ **Isolated to Scattered** rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 23<sup>rd</sup> -27<sup>th</sup>; Bihar on 26<sup>th</sup> & 27<sup>th</sup>; Gangetic West Bengal during 27<sup>th</sup> -29<sup>th</sup>; Jharkhand and Odisha on 27<sup>th</sup> & 28<sup>th</sup> March.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** at isolated places over Sub-Himalayan West Bengal & Sikkim on 24<sup>th</sup> & 27<sup>th</sup>; Gangetic West Bengal on 27<sup>th</sup> March.
- ❖ Isolated **heavy rainfall with Hailstorm** activity likely over Sub-Himalayan West Bengal & Sikkim on 24<sup>th</sup> March.

#### **Central India:**

- ❖ **Isolated light rainfall with thunderstorm & lightning** over Central India on 26<sup>th</sup> & 27<sup>th</sup> March.

#### **West India:**

- ❖ **Isolated light rainfall with thunderstorm & lightning** over Marathawada, Madhya Maharashtra during 23<sup>rd</sup> – 25<sup>th</sup> March.

#### **South Peninsular India:**

- ❖ **Isolated light rainfall with thunderstorm, lightning & gusty winds speed reaching (30-40 kmph)** likely over North Interior Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema during 23<sup>rd</sup> – 27<sup>th</sup>; South Interior Karnataka during 25<sup>th</sup> – 27<sup>th</sup>; Telangana on 26<sup>th</sup> & 27<sup>th</sup> with lightning over Coastal Karnataka during 25<sup>th</sup> -27<sup>th</sup>; South Interior Karnataka on 23<sup>rd</sup> & 24<sup>th</sup> March.

#### **Hot & Humid weather Warnings:**

- ❖ **Hot & humid conditions** very likely to prevail in isolated pockets over Kerala during 23<sup>rd</sup>-26<sup>th</sup>; Konkan on 23<sup>rd</sup> & 24<sup>th</sup> March.

#### **Forecast of maximum/day temperatures:**

- ❖ Gradual rise in maximum temperatures by 3-5°C likely over Northwest India during next 4 days and no large change thereafter for subsequent 3 days.

- ❖ Gradual rise in maximum temperatures by 2-4°C likely over Central India during next 4 days and no large change thereafter for subsequent 3 days.
- ❖ Gradual rise in maximum temperatures by 4-6°C likely over East India during next 5 days and no large change thereafter for subsequent 2 days.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over West India during next 3 days and no large change thereafter for subsequent 4 days.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over southern peninsula during next 4 days and no large change thereafter for subsequent 3 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

**Fisherman Warning:**

No Warning

**Weather conditions and forecast over Delhi/NCR during 23<sup>rd</sup> -26<sup>th</sup> March, 2026 (ANNEXURE III)**

**For more details, kindly refer National Weather Bulletin:**

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](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):**

**Assam:** Kokrajhar (AWS) 9

**Arunachal Pradesh:** Hollongi 4

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

**Arunachal Pradesh:** Kalaktang 35

**Assam & Meghalaya:** Jowai 31

**Imphal:** Imphal\_AMFU 39, Kamjong 35

**Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad:** AWS Ramban 30

**Uttarakhand:** AWS Pantnagar 33, Chamoli/Ranichauri/Champawat/Mukteshwar-31

**Haryana:** Panchkula AWS 39

**West Madhya Pradesh:** Agar 41, Sehore 31, Ashhoknagar 30

**Vidarbha:** Nagpur, Akola, Washim 37

**Chhattisgarh:** Lakhanpur 37, Koriya 35

**Konkan & Goa:** Matheran (Raigad) 33 , Santacruz (Mumbai) 31 , Alibag (Raigad) 30

**Madhya Maharashtra:** Dapodi (Pune) 31, Vilholi (Nashik) 30

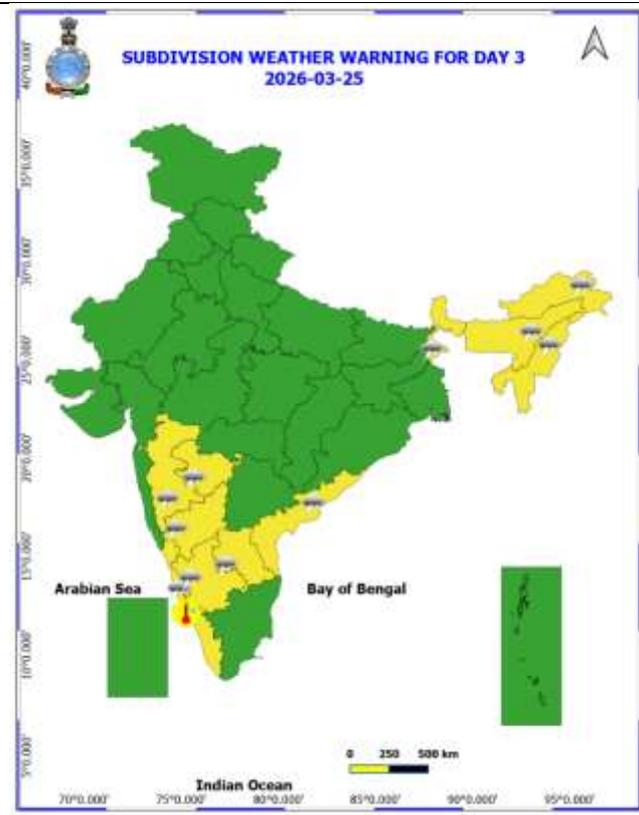
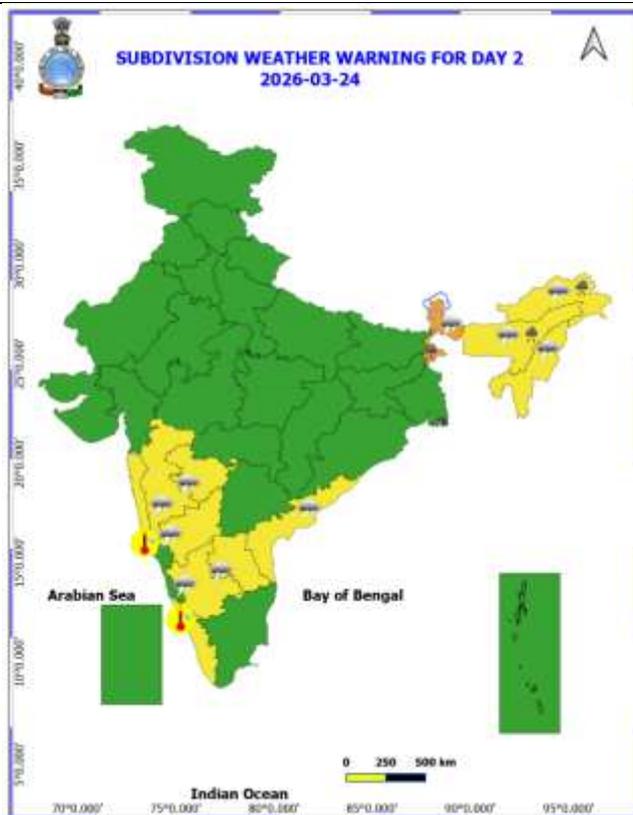
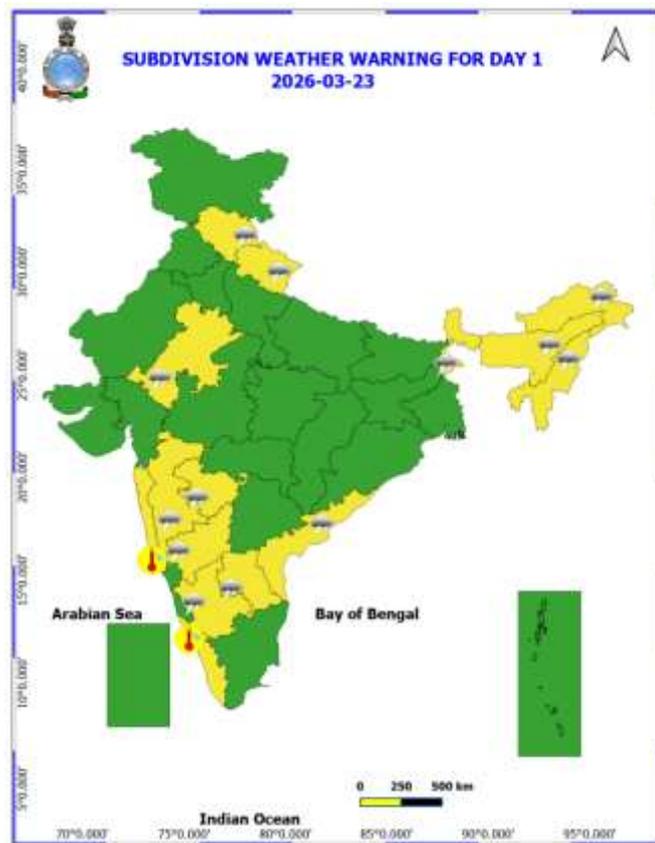
**Marathawada:** Parbhani 30, Hingoli 28

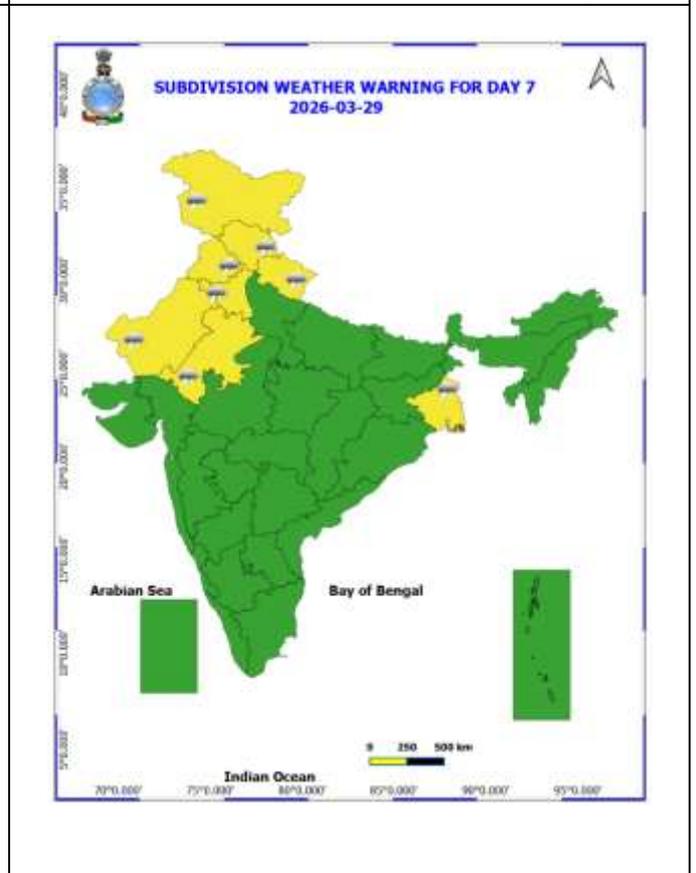
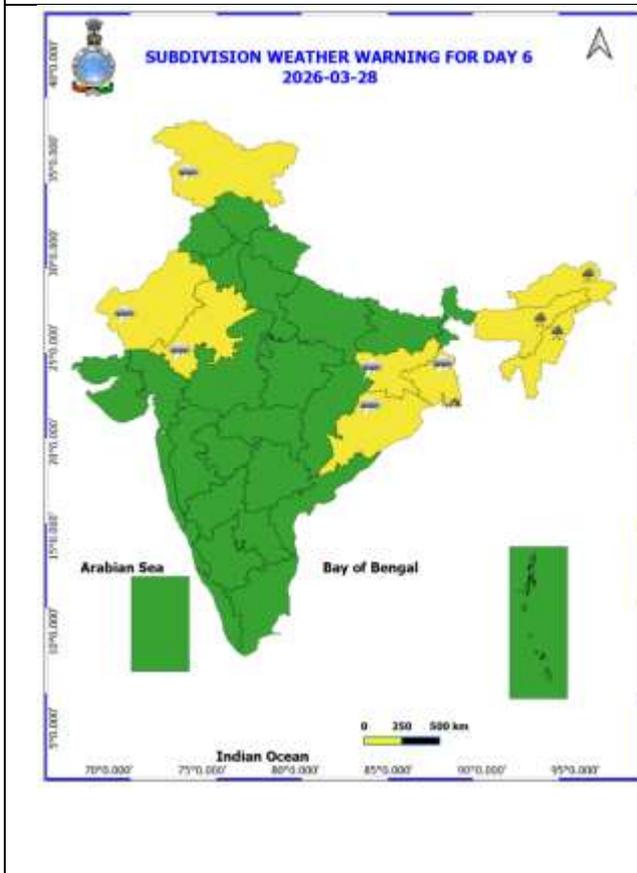
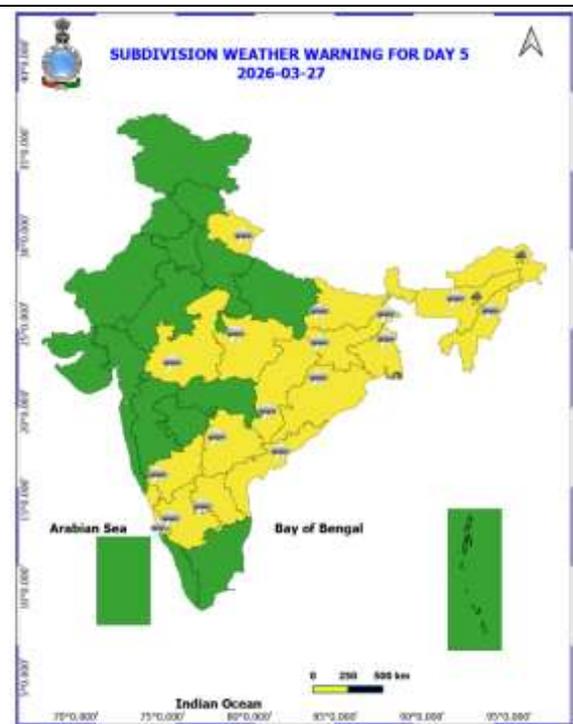
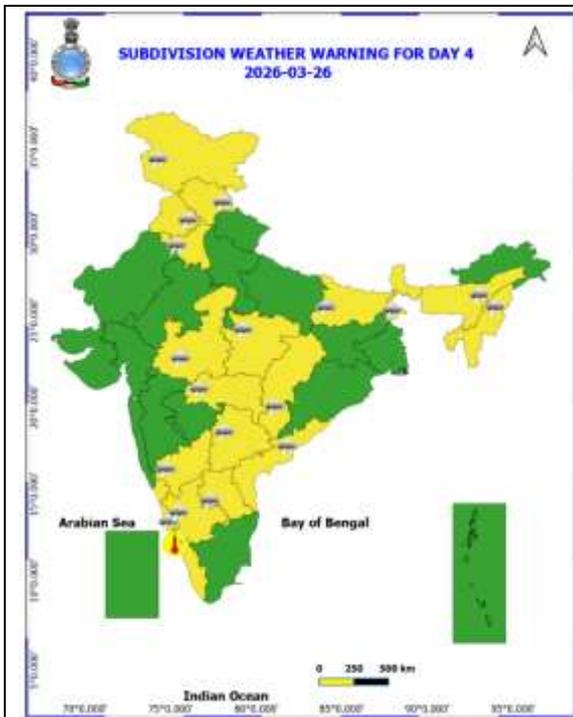
**Gujarat Region:** Hansot (Bharoch) 30

**Kutch:** Khayda 35

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	23- Mar	24- Mar	25- Mar	26- Mar	27- Mar	28- Mar	29- Mar
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
2	ARUNACHAL PRADESH	FWS	FWS	FWS	SCT	FWS	FWS	SCT
3	ASSAM & MEHGHALAYA	SCT	FWS	SCT	ISOL	SCT	FWS	SCT
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	SCT	ISOL	SCT	SCT	FWS	FWS	SCT
6	GANGETIC WEST BENGAL	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
8	JHARKHAND	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
9	BIHAR	ISOL	DRY	DRY	ISOL	SCT	ISOL	DRY
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	ISOL	DRY	ISOL
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	ISOL	DRY	ISOL	SCT
12	UTTARAKHAND	SCT	ISOL	ISOL	ISOL	SCT	ISOL	SCT
13	HARYANA, CHANDIGARH & DELHI	ISOL	DRY	ISOL	ISOL	DRY	ISOL	SCT
14	PUNJAB	ISOL	DRY	ISOL	ISOL	DRY	ISOL	SCT
15	HIMACHAL PRADESH	SCT	ISOL	ISOL	SCT	ISOL	ISOL	FWS
16	JAMMU AND KASHMIR AND LADAKH	SCT	ISOL	ISOL	SCT	ISOL	ISOL	FWS
17	WEST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	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	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
25	MARATHWADA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL						
29	TELANGANA	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL						
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	ISOL						
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
34	SOUTH INTERIOR KARNATAKA	ISOL						
35	KERALA AND MAHE	ISOL						
36	LAKSHADWEEP	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 Multi Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

**Weather forecast over Delhi/NCR during 23<sup>rd</sup> March to 26<sup>th</sup> March 2026****Past Weather:**

There has been rise in minimum temperatures around 2-3°C and rise in maximum temperatures by 2-3°C during past 24 hours over Delhi. The maximum temperatures were in the range of 28-30°C and the minimum temperatures are in the range 16-18°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably below normal (-3.1°C to -5.0°C) at isolated places, above normal (1.6°C to 3.0°C) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures are appreciably below normal (-3.1°C to -5.0°C) at many places and below normal (-1.6°C to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. During the past 24 hours, very light rain was observed at many places across Delhi. Partly cloudy sky with wind speed reaching up to 18 kmph from the northwest direction prevailed over past 24 hours. Generally cloudy sky and surface wind speed reaching up to 12 kmph from the southwest direction prevailed over the region in the forenoon today.

**Weather Forecast:**

**23.03.2026:** Generally cloudy sky. Possibility of very light rain/ drizzle during afternoon. The maximum temperatures over Delhi are likely to be in the range of 26°C to 28°C. The maximum temperatures will be appreciably below normal (-3.1°C to -5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 15 kmph during the afternoon hours. The wind speed will gradually decrease becoming less than 10 kmph from the north direction during evening and night.

**24.03.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 30°C to 32°C and 16°C to 18°C respectively. The minimum temperature will be near normal (-1.5 to +1.5°C) at most places and the maximum temperature will be near normal at most places over Delhi. The predominant surface wind is likely to be from northwest direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase up to 20 kmph from northwest direction during the afternoon. The wind speed will gradually decrease becoming less than 10 kmph from the northwest direction during evening and night.

**25.03.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 16°C to 18°C respectively. The minimum temperature will be near normal at most places and the maximum temperature will be near normal at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 10 kmph during the morning hours. The wind speed will increase up to 15 kmph from northwest direction during the afternoon. The wind speed will gradually decrease becoming less than 10 kmph from the north direction during evening and night.

**26.03.2026:** Generally cloudy sky. Possibility of very light rain/drizzle accompanied with thunderstorm/lightning. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 32°C to 34°C and 17°C to 19°C respectively. The minimum temperature will be near normal at most places and the maximum temperature will be above normal (1.6 to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from northwest direction with wind speed reaching up to 10 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 up to 10 kmph from the northwest direction during evening and night.

## Impact expected and action suggested due to isolated Hailstorm over

❖ Isolated **Hailstorm** activity likely over Sub-Himalayan West Bengal & Sikkim on 24<sup>th</sup> 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 & Action Suggested due to heavy/very heavy rainfall over

❖ **Isolated heavy rainfall** likely over Assam & Meghalaya and Arunachal Pradesh on 24<sup>th</sup>, 27<sup>th</sup> & 28<sup>th</sup> and Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim on 24<sup>th</sup> March.

### **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.

## 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 Sub-Himalayan West Bengal.

## Agromet advisories for likely impact of Heavy Rainfall

- In **Arunachal Pradesh**, undertake harvesting of cabbage, pea, mustard and late-maturing paddy varieties and digging of potatoes. Shift the harvested produce to safe places. Maintain proper drainage channels in the fields of rice, maize, other standing crops, vegetables and orchards.
- In **Assam**, drain out excess rainwater from the standing crop fields.
- In **Meghalaya**, ensure proper drainage in summer vegetable crops. Carry out staking and propping of plantation crops and protect young seedlings from heavy rainfall. Keep the harvested pods of garden peas in safer place immediately.
- In **Sub Himalayan West Bengal**, maintain proper drainage channel, and drain out excess water from fields of rice, maize, other standing crops, vegetables and orchard. Cover the nursery of cucurbits and Dalle khorsani with polyethylene sheets or agro-nets.
- 

#### 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 properly and cover them to minimise the risk of displacement due to 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.

#### Agromet advisories for likely impact of Hot and Humid Weather

- In Konkan Region of **Maharashtra**, provide 100 litre water/tree at weekly or 150 to 200 litre water/ tree at 15 days interval to minimize pre-mature fruit drop and sun scorching in mango and poor fruit set and reduced nut size in cashew orchards. Use straw mulch to prevent moisture loss from the soil. Undertake pre-harvest bagging of fruits with newspaper bags to protect the mango fruits from sunscald

#### Livestock / Poultry

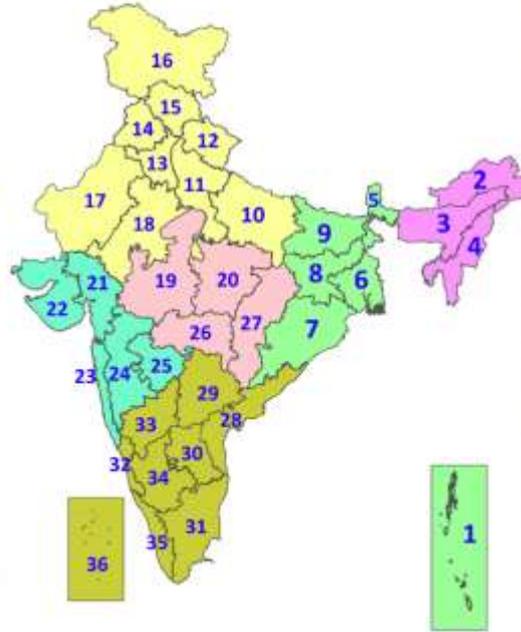
- Keep the animals inside the shed during Heavy Rainfall/Hailstorm period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.

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

### COLOUR CODED WARNING

No Warning (No Action)
Watch (Be Aware)
Alert (Be Prepared To Take Action)
Warning (Take Action)

### Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

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### DEFINITION/CRITERIA

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

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