



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 18th March 2026
Time of Issue: 1345 hours IST

- Subject:** (i) Scattered thunderstorm, lightning & gusty likely to continue over Western Himalayan Region and plains of northwest India till 20th March. Isolated hailstorm activity also likely over Jammu-Kashmir & Himachal Pradesh on 18th & 19th March; Uttarakhand, Punjab, Haryana, West Uttar Pradesh, East Rajasthan on 19th & 20th; West Rajasthan on 19th and East Uttar Pradesh on 20th March.
- (ii) Isolated heavy rainfall also likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand on 19th & 20th March.
- (iii) Scattered thunderstorm activities accompanied with Gusty winds likely to continue over Central & East India till 22nd March along with hailstorm over Vidarbha on 18th; Chhattisgarh on 18th & 19th; East Madhya Pradesh on 19th & 20th; Odisha during 19th-21st; West Madhya Pradesh, Jharkhand on 20th; West Bengal & Sikkim on 20th & 21st March.
- (iv) Because of large scale thunderstorm activity in many parts of the country and consecutive approach of Western Disturbances, normal to below normal day temperatures likely during next one week. No significant heat wave conditions likely during next one week.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 18th March, 2026:

- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Arunachal Pradesh, North Interior Karnataka, Telangana and Tamil Nadu.
- ❖ **Hailstorm** reported at isolated places over Odisha, Jharkhand, Chhattisgarh, Madhya Maharashtra and Marathawada.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 50-70 kmph prevailed at isolated places over Assam & Meghalaya, Jharkhand, Odisha, Nagaland, Manipur, Mizoram & Tripura, Marathawada, Madhya Maharashtra, Chhattisgarh, Arunachal Pradesh and 30-50 kmph at isolated places over Vidarbha, Gujarat State, Konkan, Sub-Himalayan West Bengal & Sikkim, Madhya Pradesh, Jammu-Kashmir, Gangetic West Bengal.

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

- ❖ **Maximum/day temperatures** were in the range 36°C-40°C over most places of Vidarbha, Marathwada, East Madhya Pradesh; at many places of Rayalaseema; at a few places of West Madhya Pradesh, East Uttar Pradesh, Tamil Nadu, Puducherry & Karaikal, Gujarat state; at isolated places of Rajasthan, Jharkhand, Gangetic West Bengal, Chhattisgarh, Odisha, Telangana, North Interior Karnataka, Kerala & Mahe. **Yesterday, the highest maximum temperature of 39.8°C was reported at Banda (Uttar Pradesh).**
- ❖ **Maximum Temperatures/day temperatures** were above normal (1.6°C to 3.0°C) over East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Bihar, Saurashtra & Kutch, Konkan & Goa, Vidarbha; below normal (-3.0°C to -1.6°C) over Jammu-Kashmir, Himachal Pradesh, Haryana, Chandigarh & Delhi, West Rajasthan, Assam & Meghalaya, Odisha, Telangana, Rayalaseema, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Tamil Nadu and near normal over rest parts of the country.
- ❖ **Minimum/night temperatures** were in the range of 14-18°C over Punjab, Haryana, Chandigarh, Delhi, West Rajasthan, Uttar Pradesh, Madhya Pradesh, Sub-Himalayan West Bengal, Assam, Mizoram, Odisha, Madhya Maharashtra, North Interior Karnataka. They were in the range of 18-25°C over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 12.5°C was observed at Faridkot (Punjab) over the plains of India.**
- ❖ **Minimum/night Temperature** were appreciably above normal (3.1°C to 5.0°C) over Gangetic West Bengal; above normal (1.6°C to 3.0°C) over Jammu-Kashmir, north Punjab, northwest Uttar Pradesh, Bihar, East Madhya Pradesh, Gujarat State, Madhya Maharashtra, Vidarbha, Odisha, Tamil Nadu; below normal (-3.0°C to -1.6°C) over West Madhya Pradesh, Telangana, Rayalaseema 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 central parts of Madhya Pradesh and a **trough** runs from this cyclonic circulation to North Interior Karnataka in lower tropospheric levels.
- ❖ A **trough** runs from south East Rajasthan to north Chhattisgarh in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over East Uttar Pradesh & neighbourhood and another over West Rajasthan in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over Northeast Assam & adjoining Arunachal Pradesh in lower tropospheric levels.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 95 knots at 12.6 km above mean sea level prevails over northeast India.
- ❖ The **Western Disturbance** as a trough in middle & upper level westerlies runs roughly along Long. 60°E to the north of Lat. 32°N.
- ❖ A **trough** runs from Gulf of Mannar to South Interior Karnataka in lower tropospheric levels.

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

Northwest India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds speed reaching (40-50 kmph) likely over Western Himalayan region during 18th-20th March and reduction in intensity thereafter. **Isolated heavy rainfall/snowfall very likely over Jammu-Kashmir-Ladakh, Himachal Pradesh and Uttarakhand on 19th & 20th March.**
- ❖ Isolated to Scattered light to moderate rainfall accompanied with isolated thunderstorm, lightning & gusty winds speed reaching (40-50 kmph) likely over Punjab, Rajasthan during 18th-20th; Haryana Chandigarh & Delhi, West Uttar Pradesh on 19th & 20th and East Uttar Pradesh on 20th & 21st March.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Uttarakhand on 19th & 20th; Uttar Pradesh on 20th March.
- ❖ Isolated **Hailstorm** activity likely over Jammu-Kashmir-Ladakh, Himachal Pradesh on 18th & 19th; Uttarakhand, Punjab, Haryana, Chandigarh, West Uttar Pradesh, East Rajasthan on 19th & 20th; West Rajasthan on 19th; East Uttar Pradesh on 20th March.

Northeast India:

- ❖ **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm & lightning** likely over Northeast India during next 5 days.
- ❖ Isolated **heavy rainfall** very likely over Assam & Meghalaya on 20th & 21st March.

East & Central India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 18th-22nd March. Isolated **heavy rainfall** very likely over Sub-Himalayan West Bengal & Sikkim on 20th & 21st March.
- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Central & East India during next 4-5 days.
- ❖ **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** very likely at isolated places over Jharkhand on 20th; Gangetic West Bengal on 21st March.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** at isolated places over Sub-Himalayan West Bengal & Sikkim and Odisha on 20th & 21st; Gangetic West Bengal on 20th March.
- ❖ Isolated **Hailstorm** activity likely over Vidarbha on 18th; Chhattisgarh on 18th & 19th; East Madhya Pradesh on 19th & 20th; West Madhya Pradesh, Jharkhand on 20th; West Bengal & Sikkim on 20th & 21st; Odisha during 19th-21st March.

South Peninsular India:

- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Kerala & Mahe on 18th & 19th; Coastal Andhra Pradesh & Yanam, Rayalaseema during 18th-22nd; Telangana, North Interior Karnataka during 18th-21st; South Interior Karnataka on 18th; **with lightning** over Tamil Nadu, Puducherry & Karaikal during 18th-21st and Coastal Karnataka during 18th-20th March.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over North Interior Karnataka on 18th March.

❖ Isolated **Hailstorm** activity likely over Telangana and Interior Karnataka on 18th March.

West India:

- ❖ **Isolated to scattered** light/moderate rainfall with **thunderstorm & lightning & gusty winds speed reaching (40-50 kmph)** likely over Konkan & Goa and Gujarat State on 18th & 19th; Madhya Maharashtra, Marathwada on 20th March.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Madhya Maharashtra and Marathawada on 18th & 19th March.
- ❖ Isolated **Hailstorm** activity likely over Konkan & Goa on 18th and Madhya Maharashtra & Marathawada on 18th & 19th March.

Forecast of maximum/day temperatures:

- ❖ No significant change in maximum temperatures likely over Northwest India during next 24 hours; gradual fall by 5-7°C during subsequent 2 days and gradual rise by 4-6°C during subsequent 4 days.
- ❖ Gradual fall in maximum temperatures by 3-5°C likely over Central India during next 5 days and gradual rise by 2-4°C during subsequent 2 days.
- ❖ No significant change in maximum temperatures likely over East India during next 3 days; gradual fall by 3-4°C during subsequent 2 days and no significant change thereafter.
- ❖ Gradual rise in maximum temperature by 3-4°C likely over Northeast India during next 2 days and no significant change during subsequent 5 days.
- ❖ Gradual fall in maximum temperature by 2-4°C likely over interior Maharashtra and Gujarat during next 3 days and gradual rise by 2-3°C during subsequent 4 days.

Fisherman Warning:

Fishermen are advised not to venture into the following areas:

- ❖ **Bay of Bengal:** Along and off north Odisha & West Bengal coasts from 20th March to 22nd March.
- ❖ **Arabian Sea:** No warning.

Weather conditions and forecast over Delhi/NCR during 18th-21st 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):

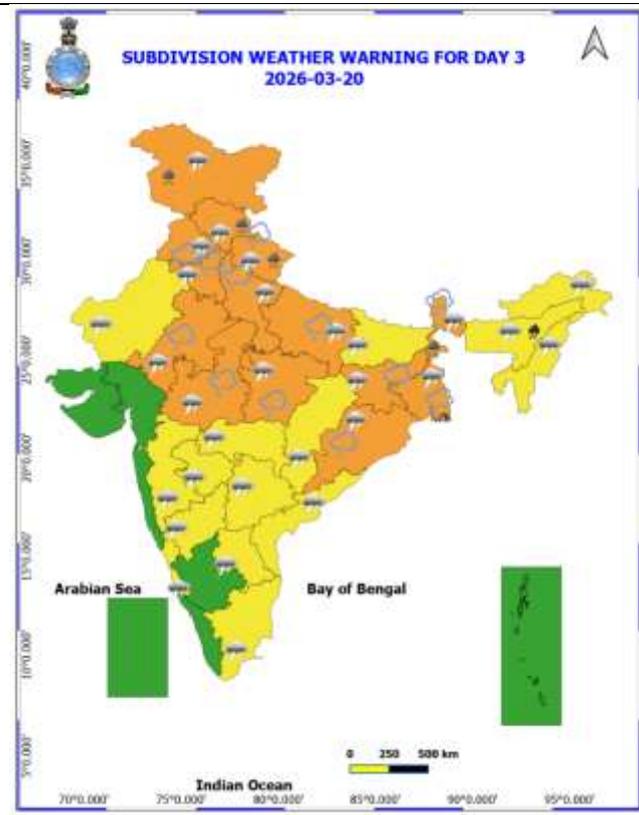
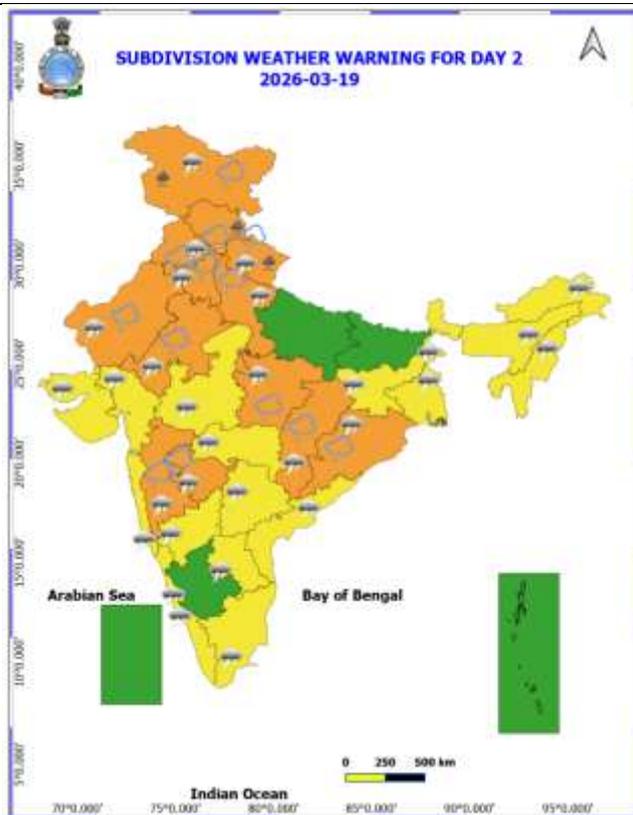
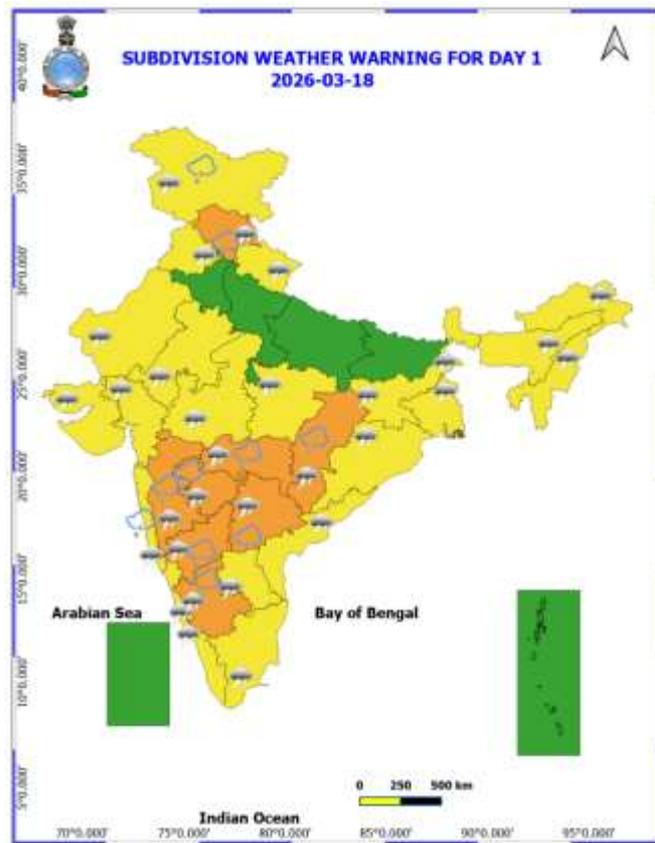
- ❖ **Tamilnadu & Karaikal Area:** Varattupallam (dist Erode) 9, Kalugumalai (dist Thoothukudi) 8;
- ❖ **Telangana:** Dahegaon (dist Kumaram Bheem) 8;
- ❖ **North Interior Karnataka:** Humnabad (dist Bidar) 7;
- ❖ **Arunachal Pradesh:** Yingkiong 7.

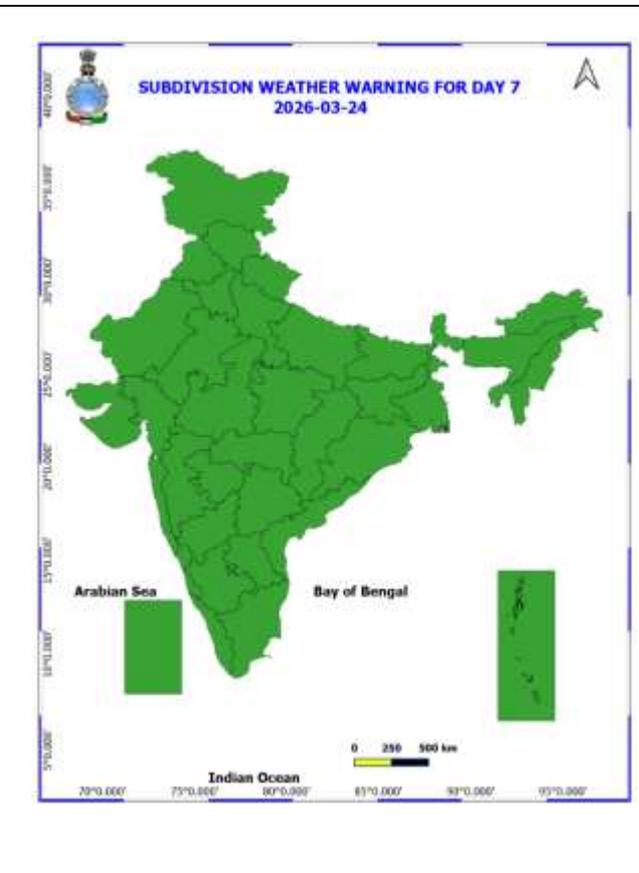
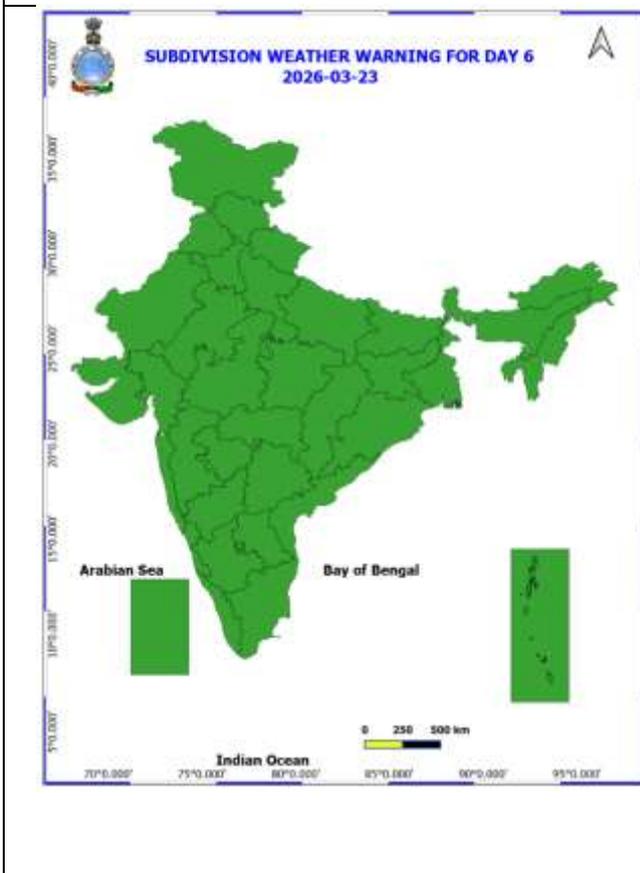
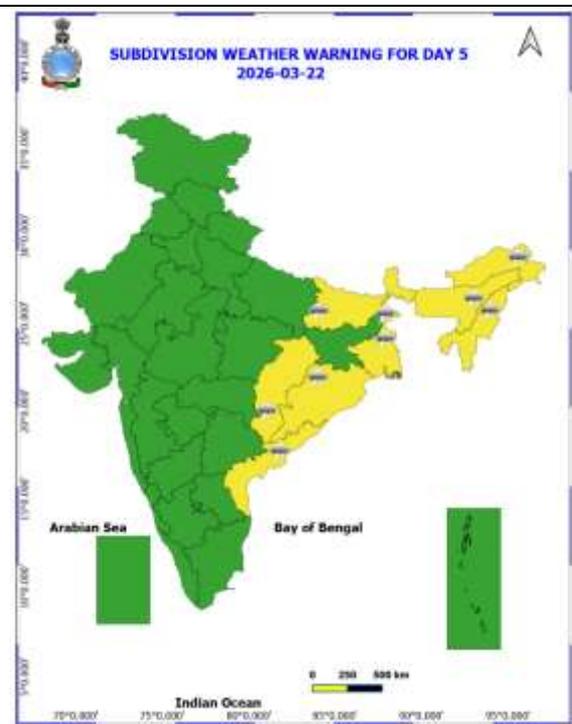
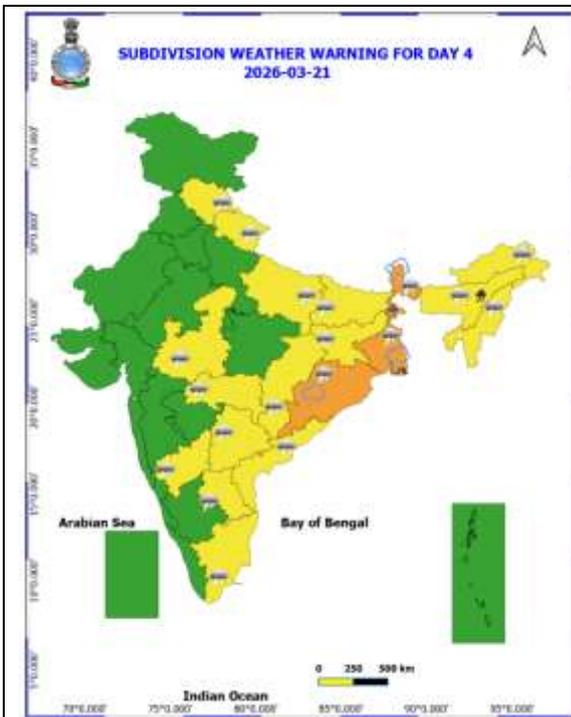
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Arunachal Pradesh:** Dirang 68;
- ❖ **Chhattisgarh:** Mungeli 61, Bemetara 46, Bilaspur 37, Balod 35;
- ❖ **Madhya Maharashtra:** Sangli 59, Solapur 43, Kalwan (Nashik) 35;
- ❖ **Marathawada:** Hingoli 57, Sagroli (Nanded) 44, Latur 41;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Tuensang 55, Wokha 53, Kohima 53, Peren 44, Dimapur 42, longleng 35, Jiribam 43; Tujungvaichong 37, Kamgong 35, Geljang_Resort 33;
- ❖ **Odisha:** Sundergarh 50;
- ❖ **Jharkhand:** Khunti 50; Bano-Simdega 46; Ramgarh 35;
- ❖ **Assam & Meghalaya:** Shillong 50, Chirang 44, Jowai 43, Mawkyrwat 43, Sonari 41;
- ❖ **Gangetic West Bengal:** Asansol 48; Barrackpore 46; Digha 39; Durgapur 37; Nimpith 33; Gangasagar 31; Dum Dum 30;
- ❖ **Jammu-Kashmir:** Gulmarg 48;
- ❖ **East Madhya Pradesh:** Jabalpur 46, Narsinghpur 35, Sagar 33, Shahdol 30;
- ❖ **West Madhya Pradesh:** Sehore 39;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Pundibari 37; Dhupguri 35;
- ❖ **Konkan:** Karjat (Raigad) 37, Devgad (Sindhudurg) 33;
- ❖ **Saurashtra & Kutch:** Kandla (Kutch) 35.
- ❖ **Gujarat Region:** Dantiwada (Banaskantha) 33;
- ❖ **Vidarbha:** Wardha 31.

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

Weather forecast over Delhi/NCR during 18th to 21st March 2026**Past Weather:**

There has been rise in minimum temperatures up to 1 - 2°C and no large change in maximum temperatures during past 24 hours over Delhi. The maximum temperatures were in the range of 30-32°C and minimum temperatures are 16-18°C respectively during past 24 hours over Delhi. The minimum temperatures are above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) over remaining part of Delhi. The maximum temperatures were 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. Partly cloudy sky with wind speed reaching up to 14 kmph from the northwest direction prevailed over past 24 hours. Partly cloudy sky and surface wind speed reaching up to 10 kmph from the west direction prevailed over the region in the forenoon today.

Weather Forecast:

18.03.2026: Partly cloudy sky in the afternoon likely to become generally cloudy sky in the night. Possibility of very light rain/Drizzle accompanied with thunderstorm/lightning and strong winds speed 20-30 kmph gusting 40 Kmph towards night. The maximum temperatures over Delhi are likely to be in the range of 32°C to 34°C. The maximum temperatures will be near normal (-1.5°C to 1.5°C) over Delhi. The predominant surface wind is likely to be from the northeast direction reaching up to 10 kmph during the afternoon hours. The wind speed will gradually increase becoming less than 20 kmph from the northeast direction during evening and night.

19.03.2026: Generally cloudy sky. A spell of very light rain/drizzle accompanied with thunderstorm/lightning and strong surface winds speed 20-30 kmph gusting 40 kmph in the forenoon. One or two spells of very light/light rain accompanied with thunderstorm/lightening and gusty winds 30-40 Kmph gusting to 50 Kmph in the Afternoon/Evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 28°C to 30°C and 18°C to 20°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) and the maximum temperature will be below normal (-1.6°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from northeast direction with wind reaching up to 15 kmph during the morning hours. The wind speed will increase reaching up to 18 kmph from the east direction in the afternoon. The wind speed will gradually decrease becoming less than 15 kmph from the southeast direction during evening and night.

20.03.2026: Generally cloudy sky. A spell of very light rain/drizzle accompanied with thunderstorm/lightning and strong surface winds speed 20-30 kmph gusting 40 kmph in the morning. One or two spells of very light/light rain accompanied with thunderstorm/lightening and gusty winds 30-40 Kmph gusting to 50 Kmph in the Afternoon/Evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 26°C to 28°C and 16°C to 18°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) and the maximum temperature will be appreciably below normal (-3.1°C to -5.0°C) over Delhi. The predominant surface wind is likely to be from the east direction with wind reaching up to 15 kmph during the morning hours. The wind speed will increase reaching up to 18 kmph from the northeast direction in the afternoon. The wind speed will gradually decrease becoming less than 15 kmph from the northeast direction during evening and night.

21.03.2026: Partly Cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 29°C to 31°C and 14°C to 16°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) and the maximum temperature will be below normal (1.6°C to 3.0°C) at many places and near normal (-1.5°C to 1.5°C) at isolated places over Delhi. The predominant surface wind is likely to be from the east direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase reaching up to 15 kmph from the northwest direction in the afternoon. The wind speed will gradually decrease becoming less than 05 kmph from the north direction during evening and night.

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

- ❖ Isolated **Hailstorm** activity likely over Jammu-Kashmir-Ladakh, Himachal Pradesh, Chhattisgarh, Madhya Maharashtra & Marathawada on 18th & 19th; Vidarbha, Telangana, Interior Karnataka, Konkan & Goa on 18th; Uttarakhand, Punjab, Haryana, Chandigarh, West Uttar Pradesh, East Rajasthan, East Madhya Pradesh on 19th & 20th; West Rajasthan on 19th; Odisha during 19th-21st; East Uttar Pradesh, West Madhya Pradesh, Jharkhand on 20th; West Bengal & Sikkim on 20th & 21st March.
- ❖ **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** very likely at isolated places over Jharkhand on 20th; Gangetic West Bengal on 21st March.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Uttarakhand on 19th & 20th; Uttar Pradesh on 20th; Sub-Himalayan West Bengal & Sikkim and Odisha on 20th & 21st; Gangetic West Bengal on 20th; North Interior Karnataka on 18th; Madhya Maharashtra and Marathawada on 18th & 19th 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.

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 Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Rajasthan, East Madhya Pradesh, Chhattisgarh, Odisha, Maharashtra and Interior Karnataka.

Agromet advisories for likely impact of Heavy Rainfall

- In **Assam**, make arrangement for draining out excess rainwater from the standing crop fields.
- In **Meghalaya**, prepare 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 **Jammu & Kashmir**, provide proper drainage channels to avoid water stagnation in standing crops.
- In **Himachal Pradesh**, undertake harvesting of matured vegetables at the earliest.
- In **Uttarakhand**, undertake harvesting of matured rapeseed, mustard & vegetable pea at the earliest and keep the harvested produce in safe place. Make arrangements to drain out excess water.
- In **Sub Himalayan West Bengal**, undertake harvesting of potato. 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.

Livestock / Poultry

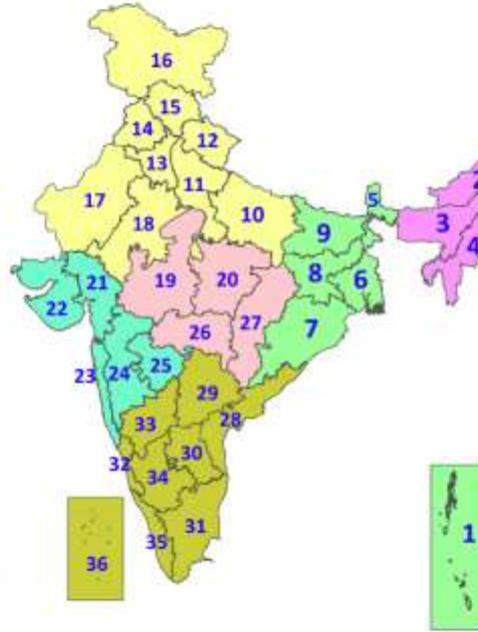
- Keep the animals inside the shed during Heavy Rainfall/Hailstorm period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.
- Provide clean, hygienic and plenty of drinking water to animals.

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

* 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 62-87 kmph</p> <p>Very Severe: Wind speed >87 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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