



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 29th March 2026

Time of Issue: 1330 hours IST

Subject: (i) Wet spell likely to continue over northwest India during the week with peak activity on 29th & 30th March and isolated heavy rainfall/snowfall over Kashmir valley on 30th March, 2026.

(ii) Isolated Hailstorms likely over Northwest India during 29-30 March, and over Central part of India during 30-31st March 2026.

(iii) 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 falls over Northeast India during 30 March-01 April, 2026.

(iv) Isolated rainfall along with thunderstorm, lightning & gusty winds likely to continue over South Peninsular India during the week.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 29th March, 2026:

- ❖ **Hailstorm activity** reported at isolated places over Mizoram.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 30-50 kmph at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Chhattisgarh, East Madhya Pradesh, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Gujarat Region, Saurashtra & Kutch

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

- ❖ **Maximum/day temperatures** were in the range(37°C- 41°C): At many places over Maharashtra, Telangana, Chhattisgarh, interior Odisha, North Interior Karnataka, Rayalaseema, South Madhya Pradesh, ; at a few places over South Rajasthan, Gujarat region, Coastal Andhra Pradesh, Tamil Nadu, South Kerala and in the range of (32°C- 37°C) at remaining places of Rajasthan, Madhya Pradesh, Odisha, Kerala, many places over South Interior Karnataka, Coastal Karnataka, Gangetic West Bengal, Jharkhand, southwest Bihar, Uttar Pradesh, Punjab, Haryana. **The highest maximum temperature of 41.2°C is reported at Akola (Maharashtra).**
- ❖ **Maximum Temperatures/day temperatures** were markedly above normal (5.1°C or more) at isolated places over Jammu & Kashmir; appreciably above normal (3.1°C to 5.0°C) at isolated places over Himachal Pradesh, Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at many places over Vidarbha; at a few places over Coastal Karnataka, Punjab; at isolated places over Chhattisgarh, Coastal Andhra Pradesh & Yanam, East Madhya Pradesh, East Rajasthan, Gangetic West Bengal, Kerala & Mahe, Konkan & Goa, Odisha, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Telangana, West Madhya Pradesh, West Rajasthan, West Uttar Pradesh.
- ❖ **Minimum/night temperatures** were in the range of **12–18°C** over Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi, Madhya Pradesh, Assam & Meghalaya, Nagaland Mizoram, Kerala and Tamil Nadu, Puducherry & Karaikal. They were in the range of **18–25°C** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 15.6 °C was observed at Najibabad (West Uttar Pradesh) over the plains of India.**
- ❖ **Minimum/night Temperature** were **appreciably above normal (3.1°C to 5.0°C)** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Gujarat State; **above normal (1.6°C to 3.0°C)** over Maharashtra, Telangana, Odisha, Jharkhand, Chhattisgarh, Coastal Andhra Pradesh & Yanam; **below normal (-3.0°C to -1.6°C)** over Gangetic West Bengal, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe 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 over North Iran & adjoining Caspian Sea between lower and upper tropospheric levels above mean sea level with an associated trough roughly along Long. 57°E to the north of Lat. 23°N at middle and upper tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over northwest Rajasthan & neighbourhood extending in lower tropospheric level.
- ❖ A **trough** from above cyclonic circulation over northwest Rajasthan to central parts of north Madhya Pradesh in lower tropospheric level.
- ❖ A **trough** from Bihar to Gangetic West Bengal across Jharkhand in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over north Odisha & neighbourhood in lower tropospheric level.
- ❖ The **trough/Wind** discontinuity from above cyclonic circulation over north Odisha to south Tamil Nadu across south Chhattisgarh, Telangana and Interior Karnataka in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Northeast Bangladesh & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over northeast Assam & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Rayalaseema & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over South Interior Karnataka & neighbourhood in middle tropospheric level.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order of 80 knots at 12.6 km above mean sea level prevails over North India.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 02nd April, 2026.

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

Northwest India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds speed reaching (30-50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 29th- 30th March and on 02nd and 03rd April; Himachal Pradesh and Uttarakhand during 29th-30th March and on 03rd and 04th April Uttarakhand during 29th- 31st March.
- ❖ **Isolated to Scattered** light to moderate rainfall with thunderstorm, lightning & gusty winds speed reaching (30-50 kmph) likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan during 29th-31st March.
- ❖ **Isolated heavy rainfall/snowfall** likely over Kashmir valley on 30th March.
- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir and West Rajasthan on 29th; Himachal Pradesh, Punjab and East Rajasthan on 29th & 30th; Uttarakhand on 30th March.

Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds speed reaching (30-50 kmph)** likely over Assam & Meghalaya during 29th March -02nd April and Nagaland, Manipur, Mizoram & Tripura during 29th -31st March with lightning over Arunachal Pradesh during 29th -31st March.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 30th March -01st April and Nagaland, Manipur, Mizoram & Tripura on 30th March.

East 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 29th March- 01st April; Gangetic West Bengal and Bihar on 29th March; Jharkhand on 29th, 31st March and 02nd April; Odisha during next 5 days.
- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (40-50 gusting to 60 kmph)** likely over Gangetic West Bengal and Bihar on 31st March.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Gangetic West Bengal and Bihar on 31st March.
- ❖ **Isolated heavy rainfall with hailstorm activity** likely over Sub-Himalayan West Bengal & Sikkim on 31st March.

Central India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Madhya Pradesh and Vidarbha during 29th March- 02nd April and Chhattisgarh during next 6 days.

- ❖ **Isolated hailstorm activity** likely over West Madhya Pradesh on 30th March and Vidarbha & Chhattisgarh on 31st March.

West India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds speed reaching (30-50 gusting to 60 kmph)** likely over Madhya Maharashtra during 29th -31st March and Marathawada during 29th March – 02nd April; Gujarat State on 29th,30th March and 02nd April with lightning over Konkan & Goa during 31st March – 02nd April and Madhya Maharashtra on 01st & 02nd April.
- ❖ **Isolated hailstorm activity** likely over Madhya Maharashtra and Marathawada on 30th & 31st March.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds speed reaching (30-50 gusting to 60 kmph)** likely over Kerala & Mahe on 29th; Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Karnataka during 29th March – 02nd April with **lightning** over Tamil Nadu on 29th & 31st March; Coastal Karnataka and Kerala & Mahe during 30th March-02nd April.

Forecast of maximum/day temperatures:

- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Northwest India till 30th March; gradual rise by 3-5°C during 29th March -02nd April.
- ❖ No significant change in maximum temperatures likely over Central India till 01st April and gradual fall by 3-5°C during 02nd -04th April.
- ❖ Gradual rise in maximum temperatures by 3-5°C likely over East India till 02nd April and no large change during 03rd -04th April.
- ❖ Gradual fall in maximum temperatures by 2-3°C likely over Gujarat State till 01st April and no significant change during 02nd -04th April.
- ❖ No significant change in maximum temperatures likely over Maharashtra till 30th March and gradual fall by 2-3°C during 31st March -04th April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

Fishermen Warning:

Fishermen are advised not to venture into the following areas during 29th March to 03rd April, 2026:

Bay of Bengal: Over Gangetic West Bengal and EIO adjoining southeast Bay of Bengal on 29th March.

Arabian Sea: Along and off the Oman coast, Gulf of Oman & parts of northwest Arabian Sea on 29th March.

Weather conditions and forecast over Delhi/NCR during 28th -31st 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):

Assam & Meghalaya: Silchar (dist Cachar) 3, Dibrugarh (dist Dibrugarh), North Lakhimpur (dist Lakhimpur), Tezpur (dist Sonitpur), Shillong (dist East Khasi Hills) 1 Each;

Coastal Karnataka: Mangalore (bajpe) AP (dist Dakshina Kannada) 3;

Nagaland, Manipur, Mizoram & Tripura: Dimapur (dist Dimapur), Aizawl-lengpui (dist Mamit) 2 Each; Jammu & Kashmir And Ladakh: Batote (dist Doda) 2;

Arunachal Pradesh: Pasighat (dist East Siang) 1;

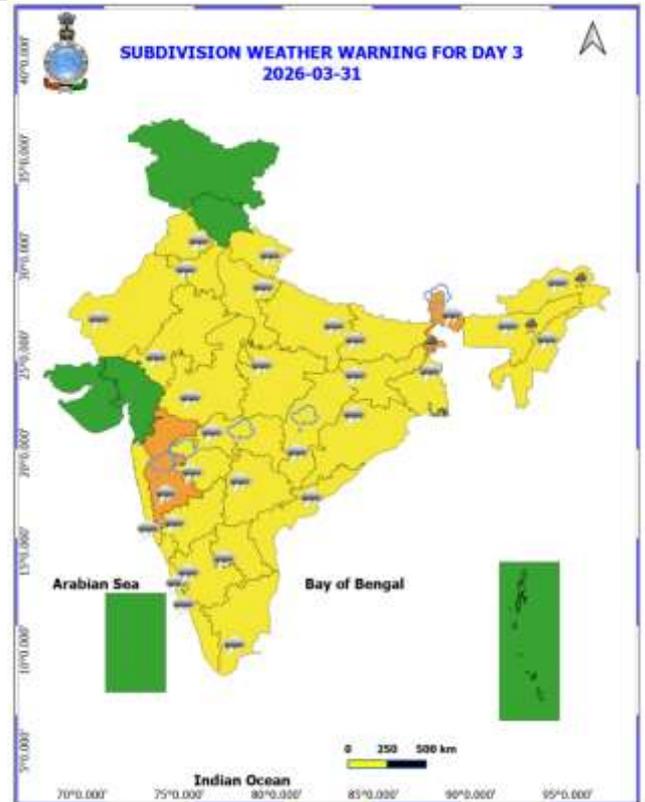
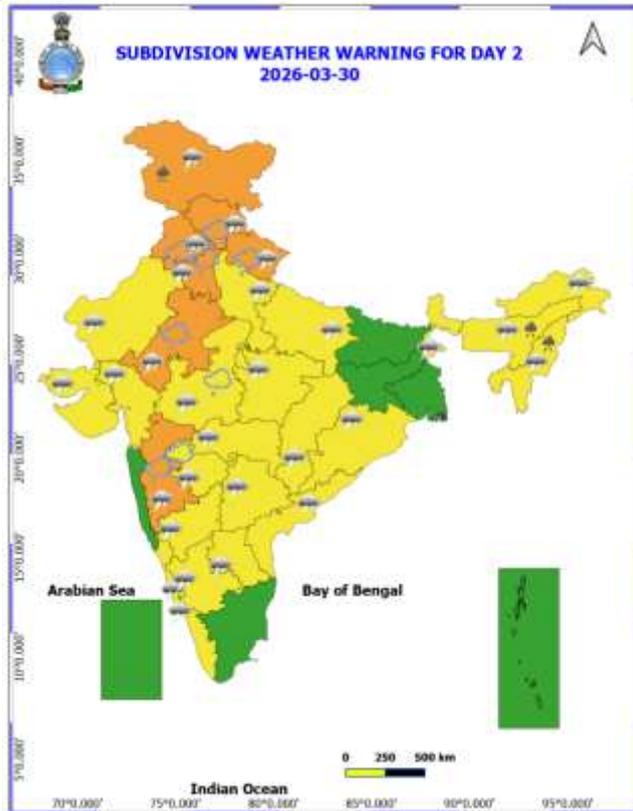
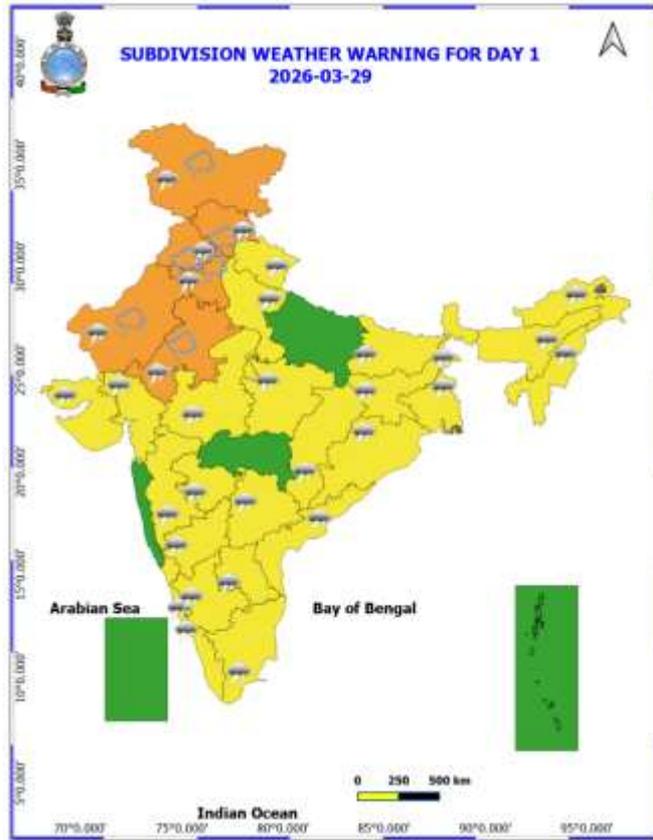
Punjab: Amritsar (rajasansi) AP (dist Amritsar) 1

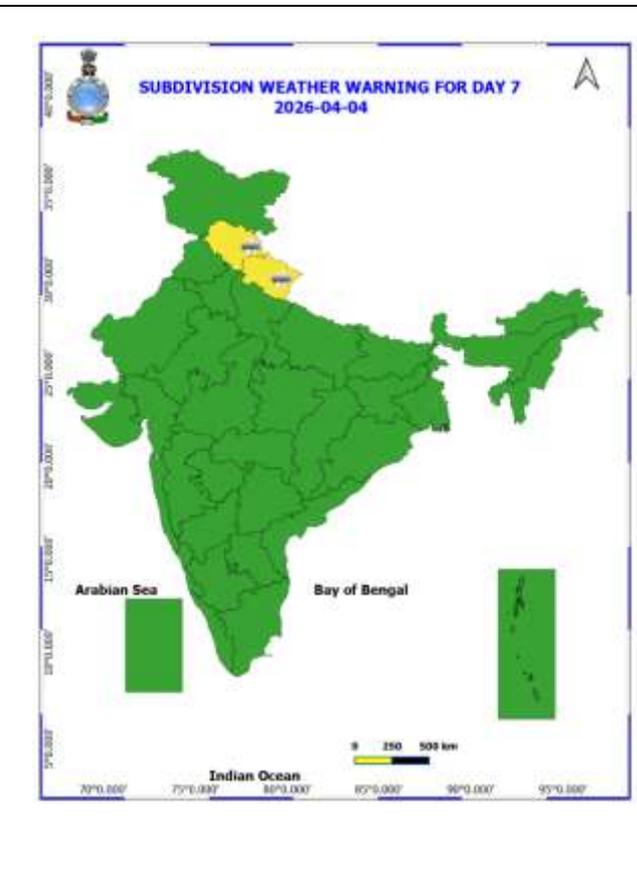
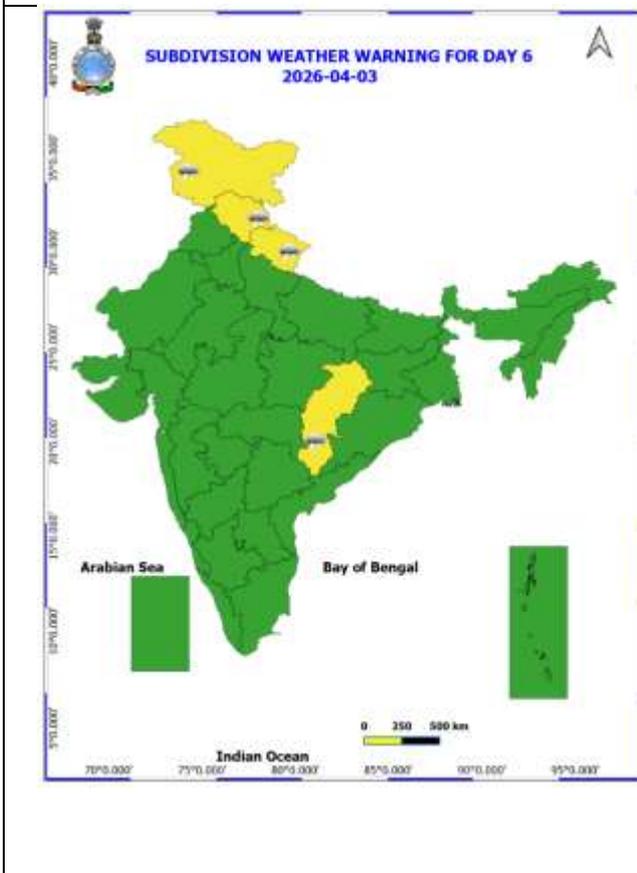
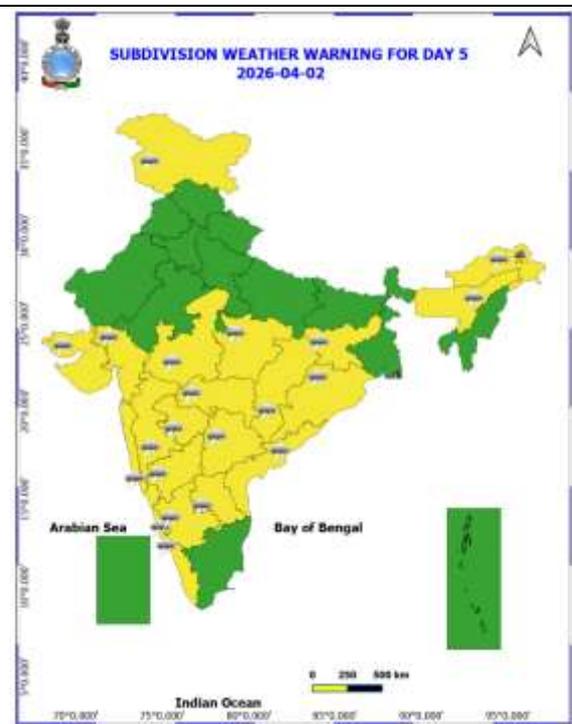
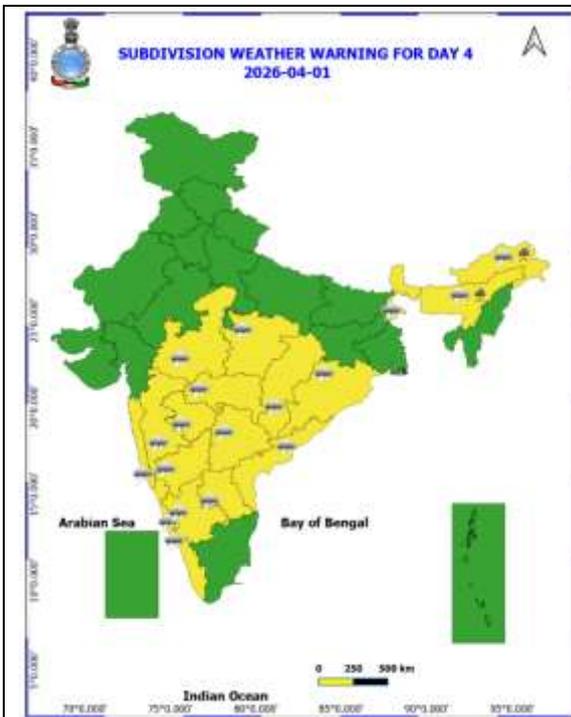
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Arunachal Pradesh:** Longding_New 39
- ❖ **Assam & Meghalaya:** Manas 63, Mawkryat35
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Imphal 59, Thoubal 59, Moreh 56, Porompat 44, Khoupum 44, Kamjong 43, Saikul 39, Geljang_Resort 35
- ❖ **Odisha:** Janhukuda (44)
- ❖ **Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad:** Kupwara 30, Chatha 30, Shopian 30
- ❖ **Himachal Pradesh:** Tabo 39, Seobagh 37
- ❖ **Uttarakhand:** Koshyakutoli31
- ❖ **Punjab:** Sangrur 39
- ❖ **Chhattisgarh:** Raipur (47), Koriya (35)
- ❖ **East Madhya Pradesh:** Katni 41, Sagar 39, Jabalpur, Rewa 37, Shahdol 35
- ❖ **West Madhya Pradesh:** Hsb 43, Sehore, Ind 41, Guna, Bhp 37, Ashoknagar, Agar, Barwani 35, Ujjain, 31
- ❖ **Konkan & Goa:** Alibag (Raigad) 33, Karjat Raigad) 31, Colaba (Mumbai) 31
- ❖ **Madhya Maharashtra:** Ragurunagar (Pune) 43, Narayangaon (Pune) 43, Shahada (Nandurbar) 43
- ❖ **Marathawada:** Ambejogai (Beed) 33, Hingoli 33
- ❖ **Gujarat Region:** Vadodara 26
- ❖ **Saurashtra & Kutch:** Kandla 28

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

Weather forecast over Delhi/NCR during 29th March-1st April 2026**Past Weather:**

There has been rise in minimum temperatures up to 1-2°C and rise in maximum temperatures up to 1-2°C during past 24 hours over Delhi. The maximum temperatures were in the range of 32-34°C and the minimum temperatures are in the range 19-21°C respectively during past 24 hours over Delhi. The maximum temperatures were normal (-1.5°C to 1.5°C) over most parts of Delhi and minimum temperatures are above normal (1.6°C to 3.0°C) over most parts of Delhi. Partly cloudy sky with wind speed up to 14 kmph from the west direction prevailed during past 24 hours. Partly cloudy sky with surface winds of 15 kmph from the southeast direction prevailed over the region in the forenoon today.

Weather Forecast:

29.03.2026: Partly cloudy sky becoming generally cloudy sky towards afternoon. A spell of very light to light rain accompanied with thunderstorm/lightning and strong surface winds speed 30-40 kmph gusting to 50 kmph in the afternoon. Another spell of very light rain /drizzle accompanied with thunderstorm/ lightning and strong surface winds speed 20-30 kmph gusting to 40 kmph during evening to night. The maximum temperatures over Delhi are likely to be in the range of 31°C to 33°C. The maximum temperatures will be near normal at most places over Delhi. The predominant surface wind is likely to be from the south-southwest 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 southeast direction during evening and night.

30.03.2026: Partly cloudy sky becoming generally cloudy sky towards afternoon. Possibility of very light rain/drizzle accompanied with thunderstorm/lightning during afternoon to evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 28°C to 30°C and 20°C to 22°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places and the maximum temperature will be below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from northeast direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase up to 15 kmph from north direction during the afternoon. The wind speed will gradually increase becoming less than 25 kmph from the north direction during evening and night.

31.03.2026: Partly cloudy sky becoming generally cloudy sky towards afternoon. Possibility of very light rain/drizzle during afternoon. The maximum and minimum temperatures over Delhi are likely to be in the range of 29°C to 31°C and 17°C to 19°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places and the maximum temperature will be below normal (-1.6 to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the west direction with wind reaching up to 10 kmph during the morning hours. The wind speed will increase becoming up to 12 kmph from west direction during the afternoon. The wind speed will gradually increase becoming less than 15kmph from the northwest direction during evening and night.

01.04.2026: Partly cloudy sky becoming generally cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 31°C to 33°C and 18°C to 20°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places and the maximum temperature will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from north direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase becoming up to 12 kmph from the northwest direction in the afternoon. The wind speed will gradually increase becoming up to 15 kmph from the northwest direction during evening and night.

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

- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir and West Rajasthan on 29th; Himachal Pradesh, Punjab and East Rajasthan on 29th & 30th; Uttarakhand on 30th March; Sub-Himalayan West Bengal & Sikkim on 31st March; West Madhya Pradesh on 30th March and Vidarbha & Chhattisgarh on 31st March; Madhya Maharashtra and Marathwada on 30th & 31st 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 rainfall/snowfall over

- ❖ **Isolated heavy rainfall/snowfall** likely over Kashmir valley on 30th March.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 30th March -01st April and Nagaland, Manipur, Mizoram & Tripura on 30th March; Sub-Himalayan West Bengal & Sikkim on 31st 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 **Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Rajasthan, Sub Himalayan West Bengal, West Madhya Pradesh, Madhya Maharashtra, Marathwada Vidarbha and Chhattisgarh.** Undertake harvesting of mature crops immediately and shift them to safer places.

- In **Madhya Maharashtra, Marathwada** and **Vidarbha**, harvest mature wheat, sorghum, safflower, chickpea, maize, linseed, fruits and vegetables and keep the harvested produce in safe places.
- In **Uttarakhand**, harvest matured mustard, rapeseed, lentil & pea and keep the harvested produce to safe places.

Agromet advisories for likely impact of Heavy Rainfall

- In **Sub Himalayan West Bengal**, ensure proper drainage channel, and drain out excess water from fields of rice, maize, other standing crops, vegetables and orchard. Shift the harvested produce to safe places. Cover the nursery of cucurbits and Dalle khorsani with polyethylene sheets or agro-nets.
- 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 **Tripura**, make necessary arrangements to drain out excess water from the low lying areas to prevent water logging.
- In **Manipur**, harvest mature rapeseed/ mustard, field pea, lentil and onion before rain. Shift the harvested produce to an airy shed to protect it from rain, and sun-dry it when sunshine is available. Make necessary arrangements to drain out excess water from standing crops, vegetables & orchards to avoid water stagnation.
- In **Jammu & Kashmir**, make necessary arrangements to drain out excess rain water from wheat, gram, mustard and vegetable fields.

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

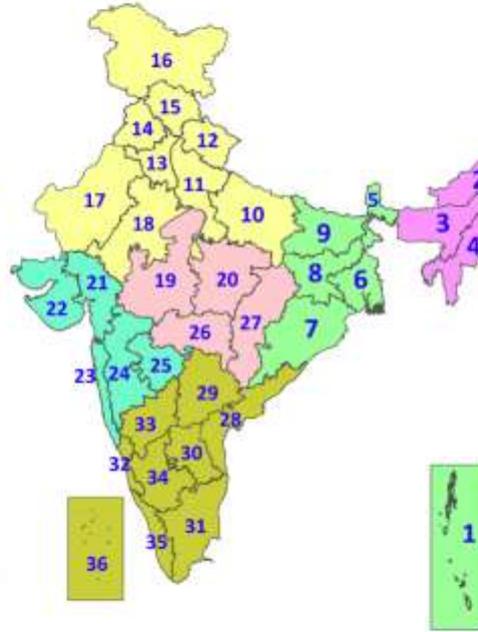
- Keep the animals inside the shed during Heavy Rainfall/Hailstorm period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.

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, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
 - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और माहे
36. लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidarbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/A Few Places)
51-75	Fairly Widespread (FWS/Many Places)	1-25	Isolated (ISOL)

- | | | |
|----------------------|----------------------|--------------|
| Fog | Heavy Snow | Cold Wave |
| Heavy Rain | Dust Storm | Cold Day |
| Very Heavy Rain | Heat Wave | Ground Frost |
| Extremely Heavy Rain | Warm Night | |
| 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

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>

* 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

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