

2026-04-03

Time of Issue: 07:55:00 hours IST
(Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather forecast and warnings:

Northwest India:

- **Fairly widespread to widespread** light to moderate rainfall with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Uttarakhand and Himachal Pradesh during 03rd -06th April; **Isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph) likely over West Rajasthan during 03rd -04th and 06th; West Uttar Pradesh on 03rd April.
- Another fresh wet spell with **Scattered to fairly 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 and Himachal Pradesh and Uttarakhand on 07th & 08th April; **Isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Punjab, Haryana Chandigarh & Delhi and Rajasthan on 07th & 08th April.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi and East Rajasthan on 03rd & 04th; West Rajasthan on 03rd; Uttarakhand on 04th; Uttar Pradesh on 04th & 05th April.
- **Isolated hailstorm activity** also likely over Jammu-Kashmir on 03rd, 04th & 07th and Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi on 03rd & 04th, Uttarakhand on 04th, West Uttar Pradesh on 04th & 05th, Rajasthan on 03rd on 04th April and East Uttar Pradesh on 5th April.
- **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 03rd & 04th April.

Northeast India:

- **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightninggusty winds** (speed reaching 30-50 kmph) likely over Assam & Meghalaya during 03rd - 06th and Nagaland, Manipur, Mizoram & Tripura during 03rd -04th April with lightning over Arunachal Pradesh on 04th & 05th April.
- **Isolated heavy rainfall** likely over Arunachal Pradesh during 06th - 08th April; Assam & Meghalaya on 05th & 06th April.

East India:

- **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 40-50 kmph gusting to 60 kmph) likely over West Bengal & Sikkim during 05th- 07th, Jharkhand on 04th; Odisha during next 5 days.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Bihar during 05th -08th; Jharkhand on 05th & 06th April.

Central India:

- **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 kmph) likely over Central India during next 5 days.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Madhya Pradesh on 03rd & 04th April.
- **Isolated Hailstorm activity** likely over Madhya Pradesh during 03rd -04th, Chhattisgarh on 04th April.

West India:

- **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning& gusty winds** (speed reaching 40-50 gusting to 60 kmph) likely over Madhya Maharashtra on 04th, Marathwada on 04th & 05th and Gujarat State on 03rd April.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) with isolated hailstorm**

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activity likely over Madhya Maharashtra and Marathawada on 03rd April.

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 during 03rd -05th; Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka during 03rd – 06th; Rayalaseema on 05th & 06th April; **with lightning** over Coastal Karnataka during 03rd -04th and Tamil Nadu, Puducherry & Karaikal during 03rd -06th April.

Hot & Humid weather Warnings:

- **Hot & humid conditions** very likely to prevail in isolated pockets over Gangetic West Bengal & Odisha during 03rd -04th April.

Forecast of maximum/day temperatures:

- Gradual fall by 3-5°C on 03rd & 04th April and no significant change thereafter during 05th – 08th. However, it will remain normal to below normal till 06th April, 2026.
- Gradual fall in maximum temperatures by 2-4°C likely over Central India till 04th April and no significant change during 05th -08th April.
- Gradual rise in maximum temperatures by 2-3°C likely over East India till 05th April and no significant change during 06th -08th April.
- No significant change in maximum temperatures during 03rd - 08th April.
- Gradual fall in maximum temperatures by 2-4°C likely over Maharashtra till 05th April; gradual rise by 2-4°C during 06th –08th April.
- No significant change during 03rd-08th 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 03rd April to 07th April, 2026:

Bay of Bengal: No warning.

Arabian Sea: Over some parts of northeast Arabian Sea, along and off northern parts of north Gujarat coast on 03rd April.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Madhya Maharashtra , Arunachal Pradesh and Vidarbha; **at many places** over Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, West Uttar Pradesh, Haryana Chandigarh & Delhi, Jammu & Kashmir and Ladakh, West Rajasthan, Assam & Meghalaya, Saurashtra & Kutch, Konkan & Goa , East Madhya Pradesh, West Madhya Pradesh and Kerala & Mahe; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Madhya Maharashtra** : Pune- Shivajinagar (dist Pune) 6, Nashik (dist Nashik) 4.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today):**Heavy rain** at a few places over Madhya Maharashtra.

❖ **Minimum Temperature Departures (as on 02-04-2026): appreciably above normal (3.1? to 5.0?)** over Himachal Pradesh, Madhya Pradesh **above normal (1.6? to 3.0?)** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad , Punjab, Haryana, Chandigarh, Uttar Pradesh, West Rajasthan, Gujarat Region, Madhya Maharashtra, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Assam & Meghalaya , Chhattisgarh; **below normal (-3.0? to -1.6?)** over Marathwada, Vidarbha, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. **The lowest minimum temperature of 16.0°C is reported at Bareilly (West Uttar Pradesh)** over the plains of India.

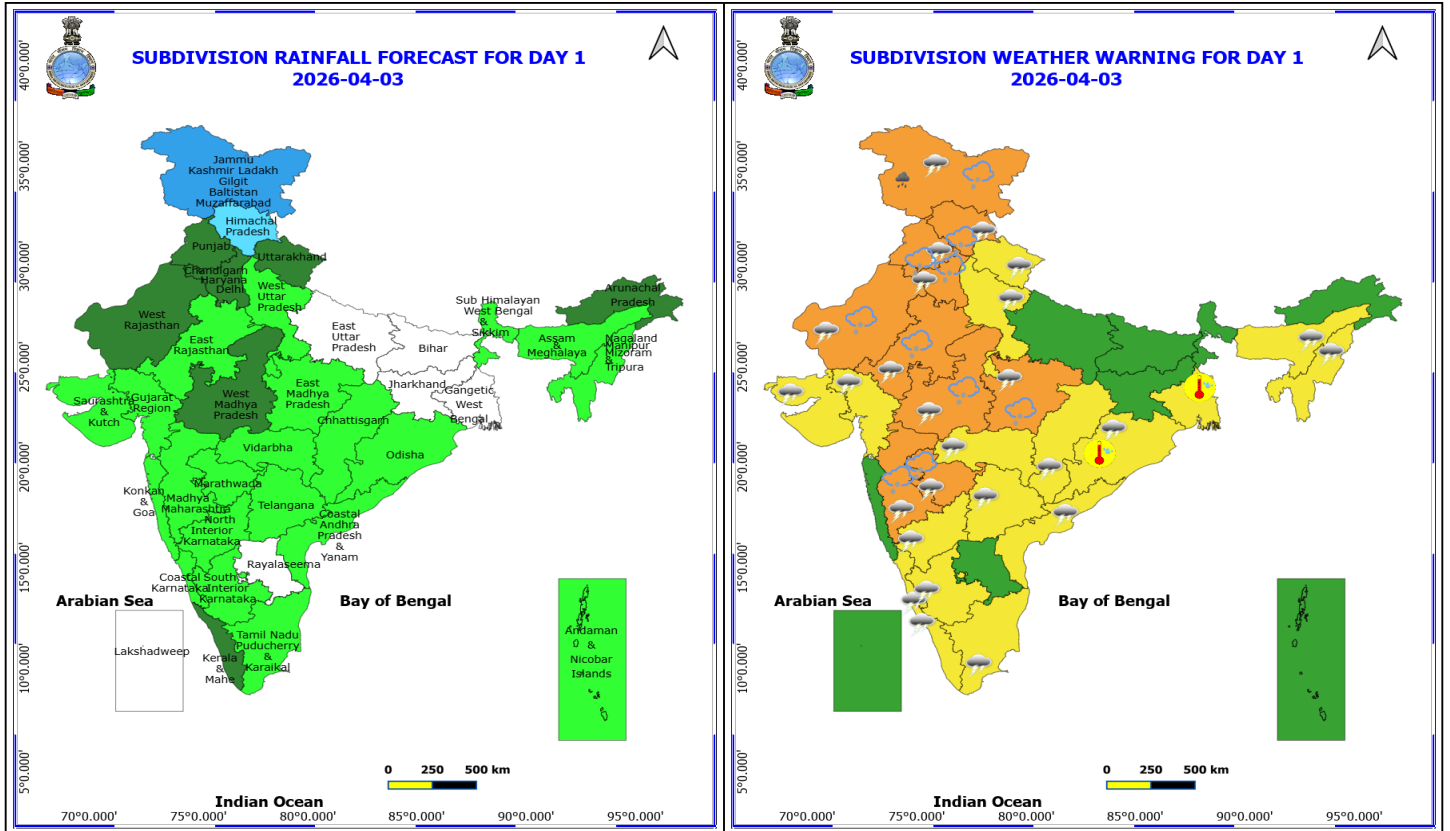
❖ **Maximum Temperature Departures (as on 02-04-2026): markedly above normal(> 5.1°C)** at isolated places over West Uttar Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at many places over Uttarakhand; at few places over Punjab; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, Haryana-Chandigarh-Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan and Chhattisgarh. **above normal(1.6°C to 3.0°C)** at many places over Lakshadweep; at few places over Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh and Coastal Karnataka; at isolated places over Odisha, Jharkhand, West Madhya Pradesh, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over South Interior Karnataka; at most places over Andaman & Nicobar Islands, East Rajasthan and Konkan & Goa; at few places over Gujarat Region, Madhya Maharashtra, Vidarbha, Telangana, Rayalaseema and North Interior Karnataka; at isolated places over Saurashtra & Kutch and Marathwada. **The highest maximum temperature of 40.6°C is reported at JHARSUGUDA (ODISHA).**

Meteorological Analysis (Based on 0530 hours IST)

- The **Western Disturbance as a cyclonic circulation** over east Iran and adjoining Afghanistan now lies over South Afghanistan & neighbourhood between 3.1 & 7.6 km above mean sea level.
- The **upper air cyclonic circulation** over East Rajasthan now lies over Haryana & neighbourhood and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over Sub-Himalayan West Bengal at 0.9 km above mean sea level.
- The **trough** from East Rajasthan to east central Arabian sea now runs from the upper air cyclonic circulation over Haryana to northeast Arabian sea across Rajasthan and Gujarat at 1.5 km above mean sea level.
- The **trough** from interior Tamil Nadu to central Konkan across Interior Karnataka at 0.9 km above mean sea level persists.
- The **upper air cyclonic circulation** over central Assam persists and now seen at 1.5 km above mean sea level.
- **Subtropical westerly Jet Stream** with core winds of the order of 135 knots at 12.6 km above mean sea level prevails over West India.
- A fresh **Western Disturbance** is likely to affect Northwest India from 07th April, 2026.
- The **trough** from east Jharkhand to south Chhattisgarh at 0.9 km above mean sea level has become less marked.

Weather Outlook for subsequent 3 days

- Widespread rainfall activity likely over Northeast India, Jammu & Kashmir adjoining Punjab, Himachal Pradesh, Tamil Nadu and Isolated rainfall activity over Uttarakhand & adjoining plains of western himalayan region, Central India, Odisha & adjoining Coastal Andhra Pradesh.

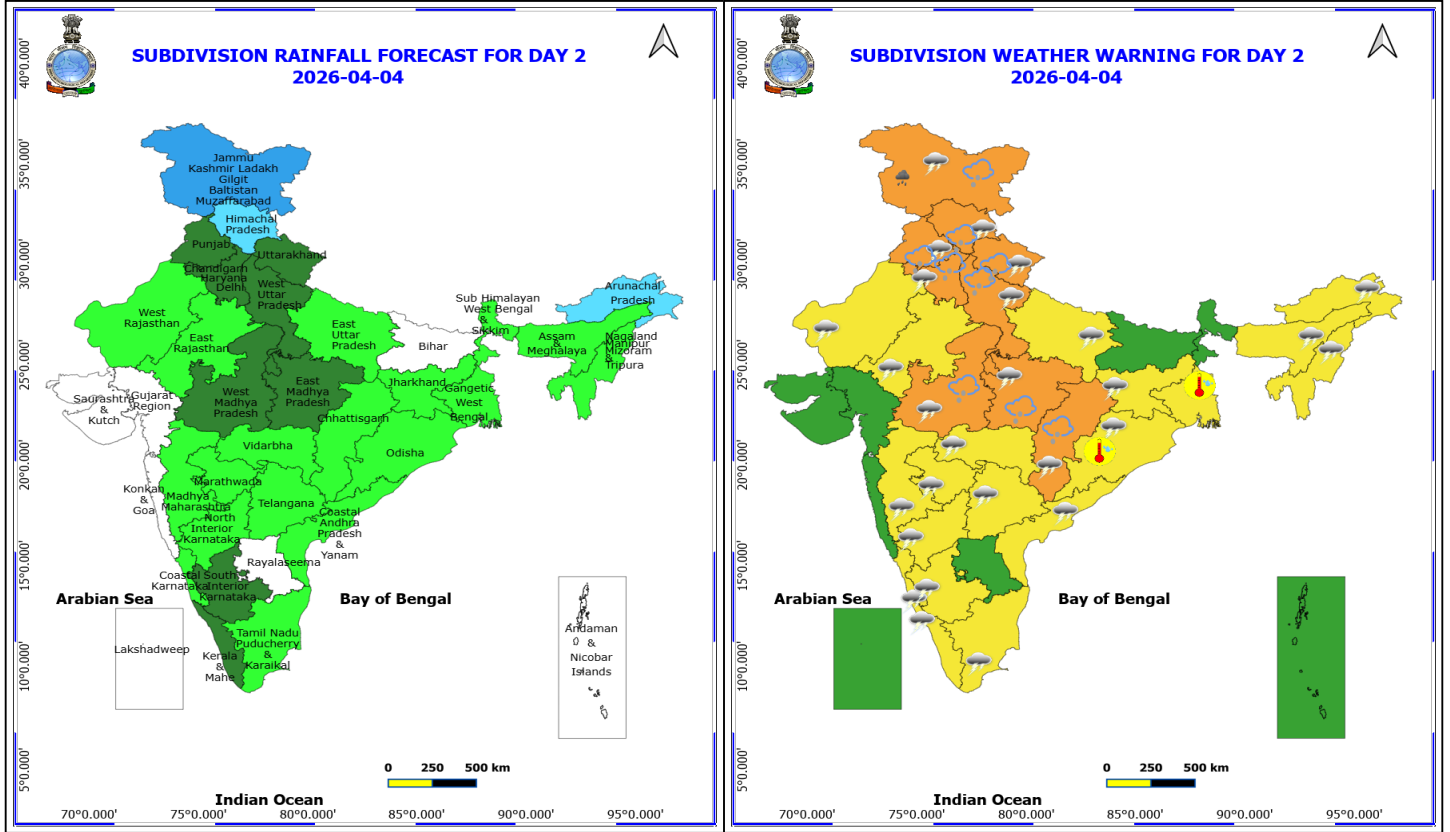


3 April (Day 1)

- ❖ **Heavy Rainfall** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra, Madhya Pradesh, Marathwada, Punjab and Rajasthan.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra, Marathwada, Punjab, Rajasthan, Uttarakhand and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh, Kerala & Mahe and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Assam & Meghalaya, Coastal Andhra Pradesh, East Madhya Pradesh, Gujarat State, Interior Karnataka, Nagaland, Manipur, Mizoram and Tripura, Odisha, Telangana and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Coastal Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Hot and Humid weather** very likely at isolated places over Gangetic West Bengal and Odisha.
- ❖ **Squally weather with speed 35 – 45 kmph gusting to 55 kmph** likely to prevail over central parts of north Arabian Sea.

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4 April (Day 2)

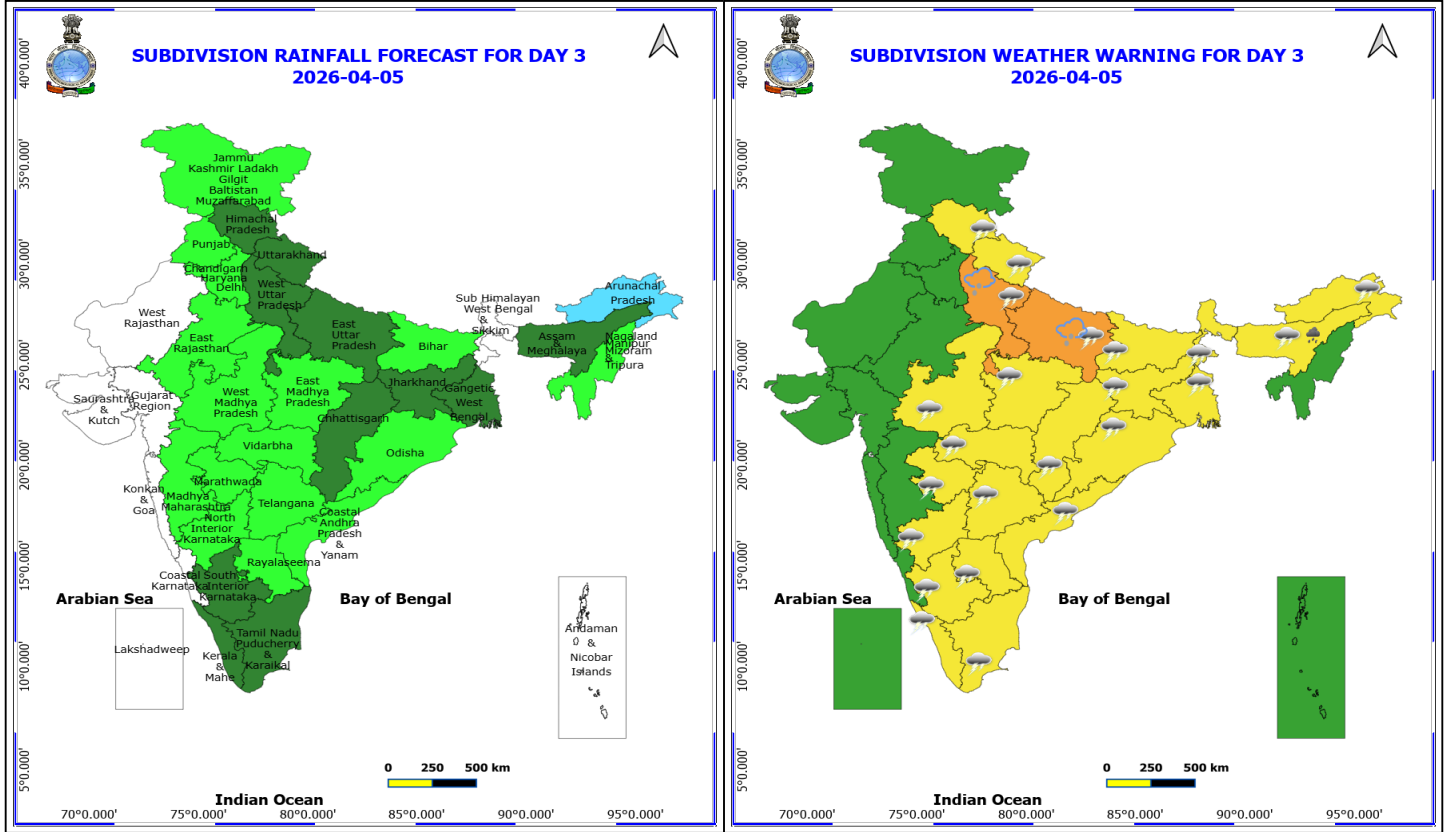
- ❖ **Heavy Rainfall** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Punjab, Uttarakhand and West Uttar Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Uttar Pradesh, Uttarakhand and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh, Jharkhand, Kerala & Mahe and Maharashtra.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Assam & Meghalaya, Coastal Andhra Pradesh, East Madhya Pradesh, Interior Karnataka, Nagaland, Manipur, Mizoram and Tripura, Odisha, Telangana and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Coastal Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Hot and Humid weather** very likely at isolated places over Gangetic West Bengal and Odisha.
- ❖ **Squally weather with speed 35 – 45 kmph gusting to 55 kmph** likely to prevail over some parts of northeast Arabian Sea, along and off northern parts of north Gujarat coast.

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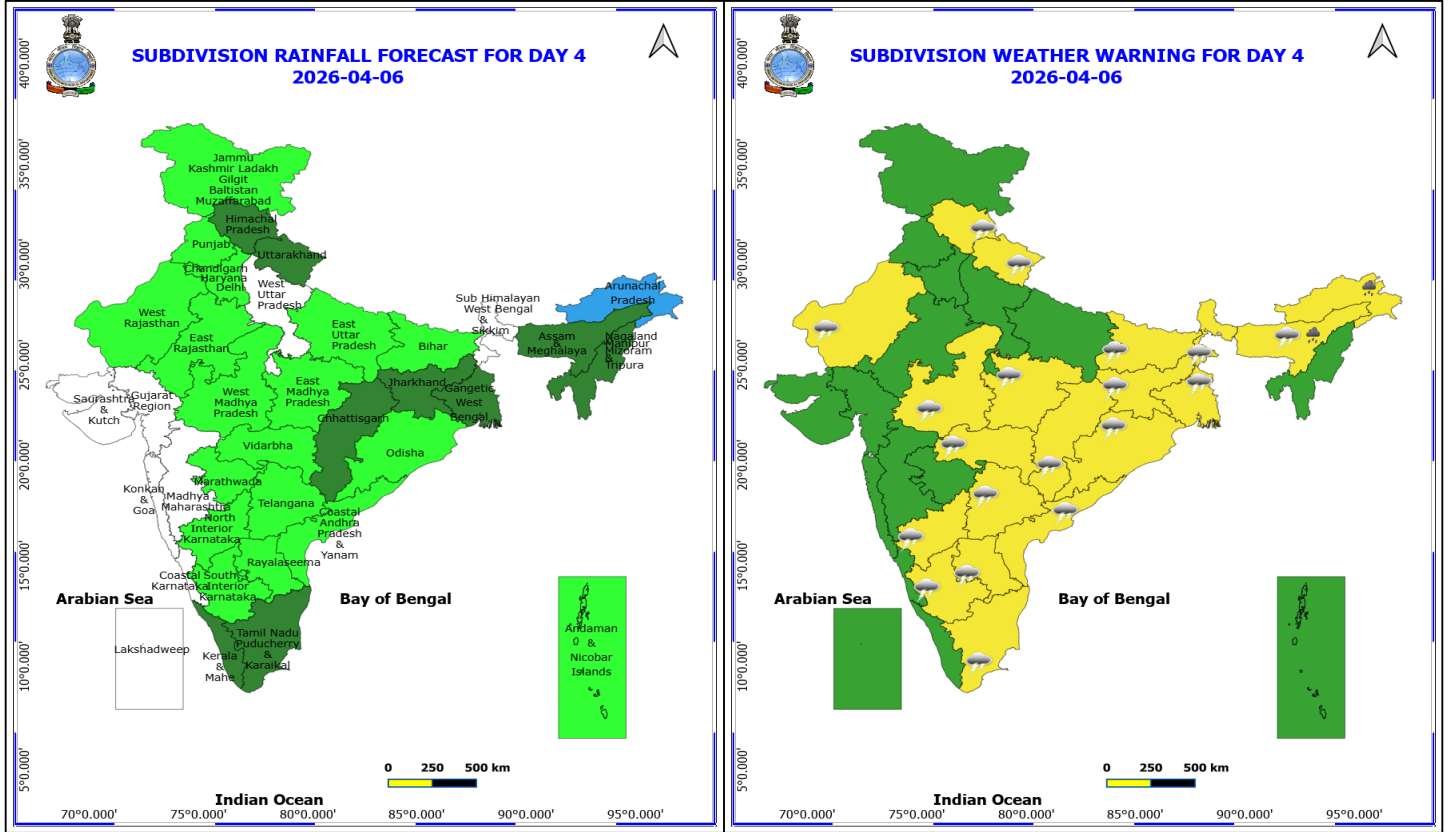
5 April (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Uttar Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, Jharkhand and Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh, Gangetic West Bengal, Marathwada, Odisha and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Assam & Meghalaya, Himachal Pradesh, Interior Karnataka, Kerala & Mahe, Madhya Pradesh, Sub Himalayan West Bengal & Sikkim, Telangana and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh and Tamil Nadu Puducherry & Karaikal.

No Fishermen Warning

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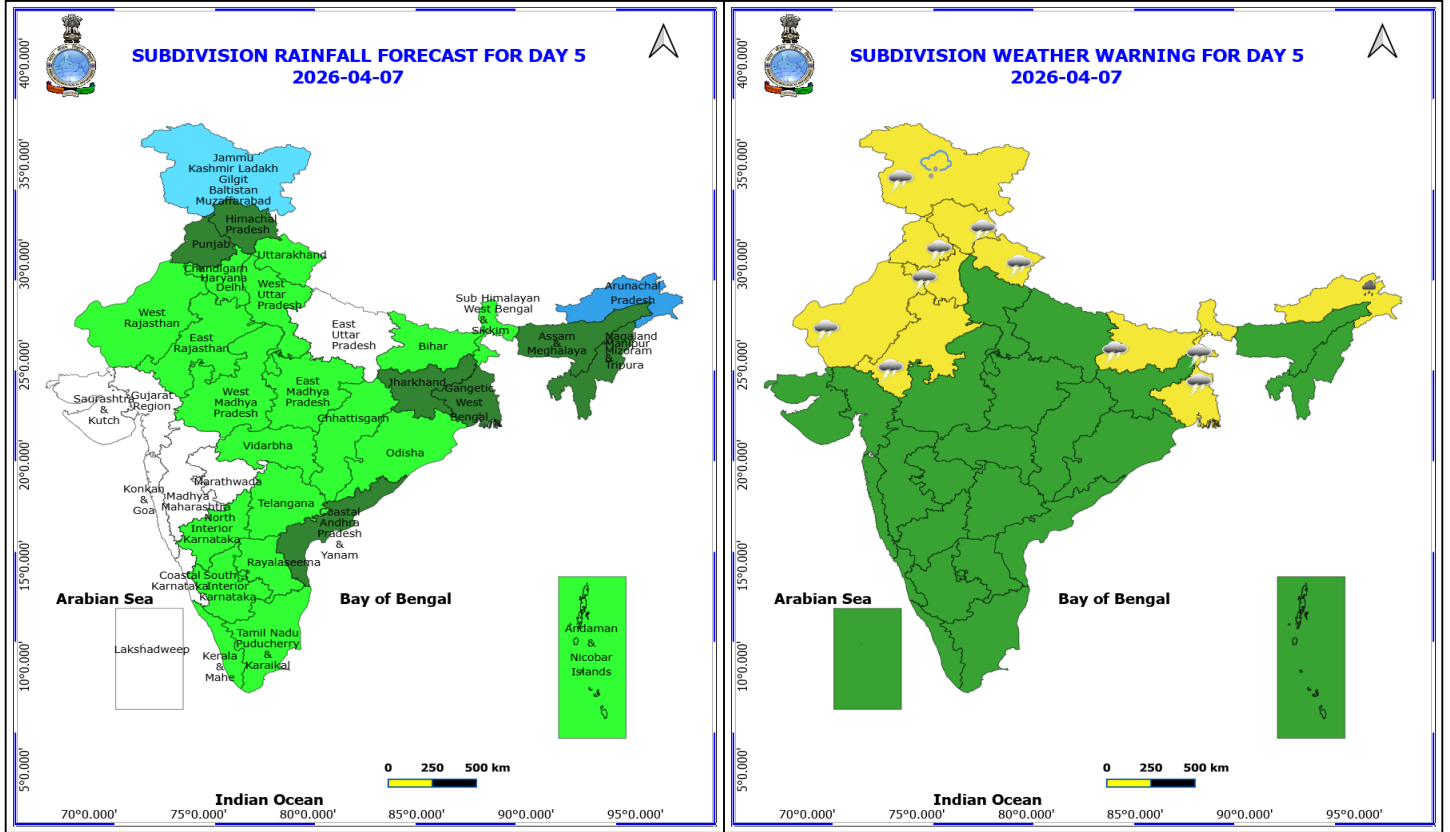
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6 April (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar and Jharkhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Odisha, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Assam & Meghalaya, Chhattisgarh, Himachal Pradesh, Interior Karnataka, Madhya Pradesh, Telangana, Vidarbha and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

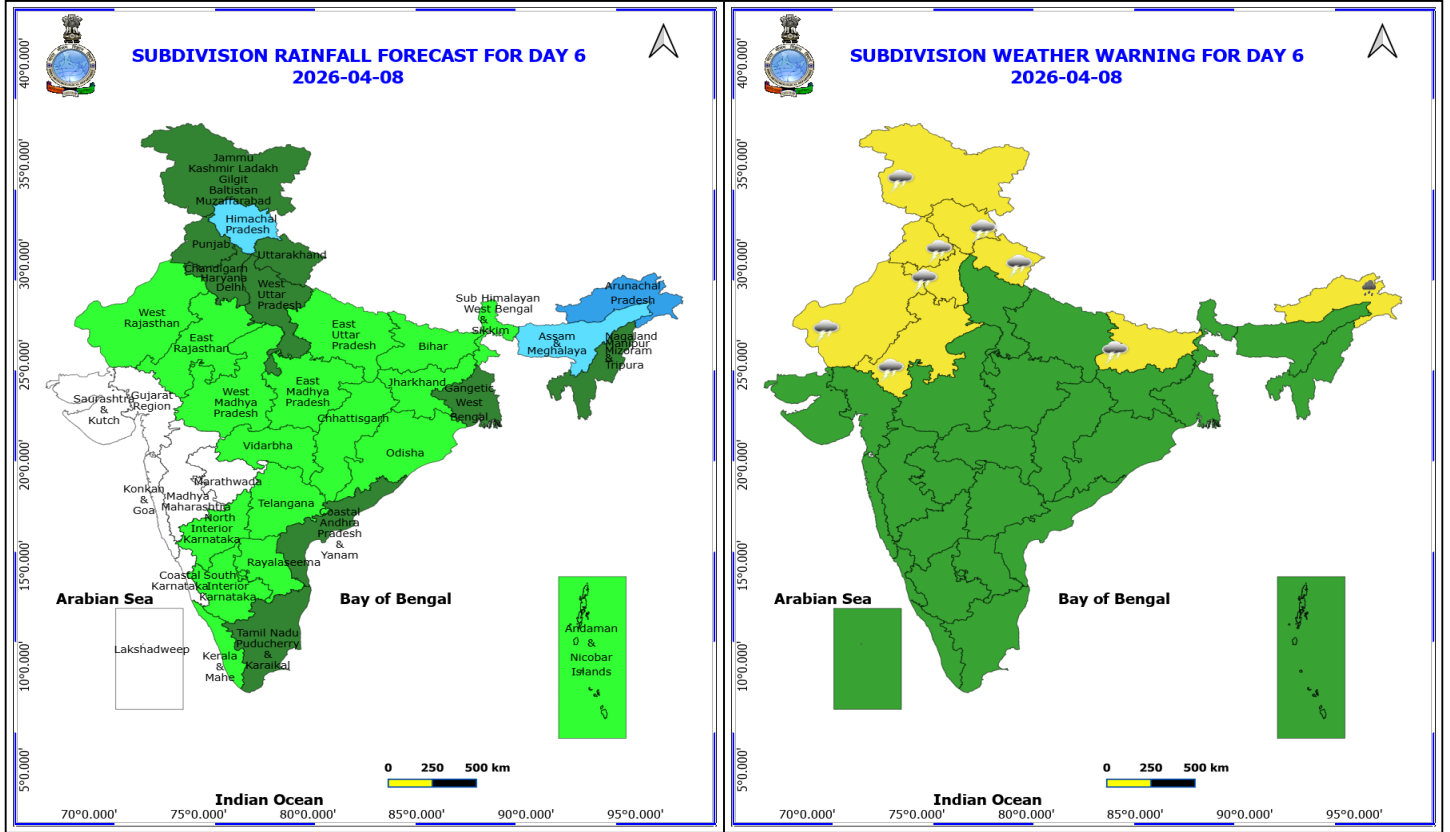
No Fishermen Warning



7 April (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh.
- ❖ **Thunderstorm accompanied with Hailstorm** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab and West Bengal & Sikkim.

No Fishermen Warning

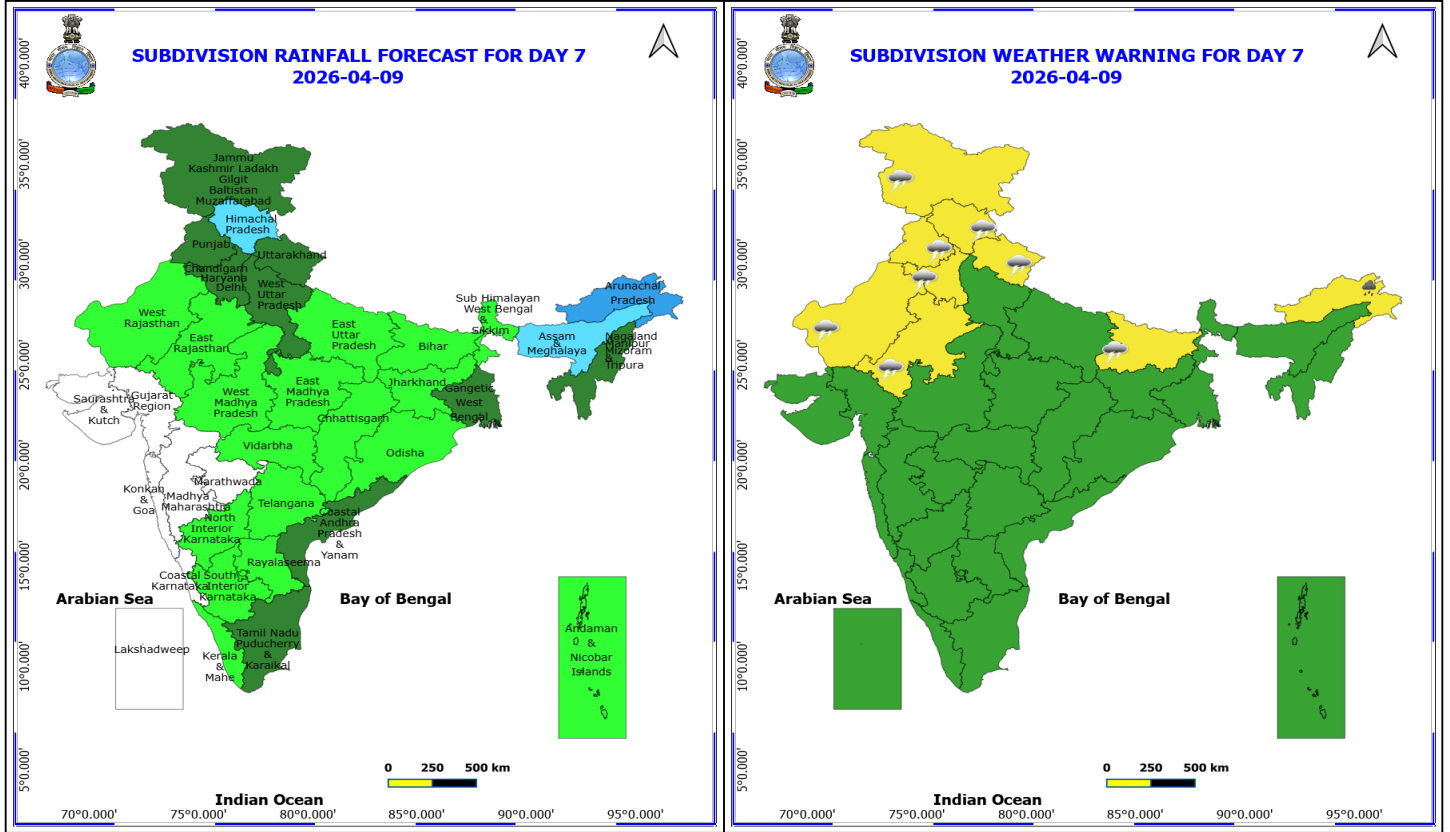


8 April (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh and Punjab.

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9 April (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh and Punjab.

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Table-1

7 Days Rainfall Forecast

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

Legend	Category	%Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

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Fig. 1: Maximum Temperatures Dated 2026-04-02

Fig. 2: Departure of Maximum Temp. Dated 2026-04-02

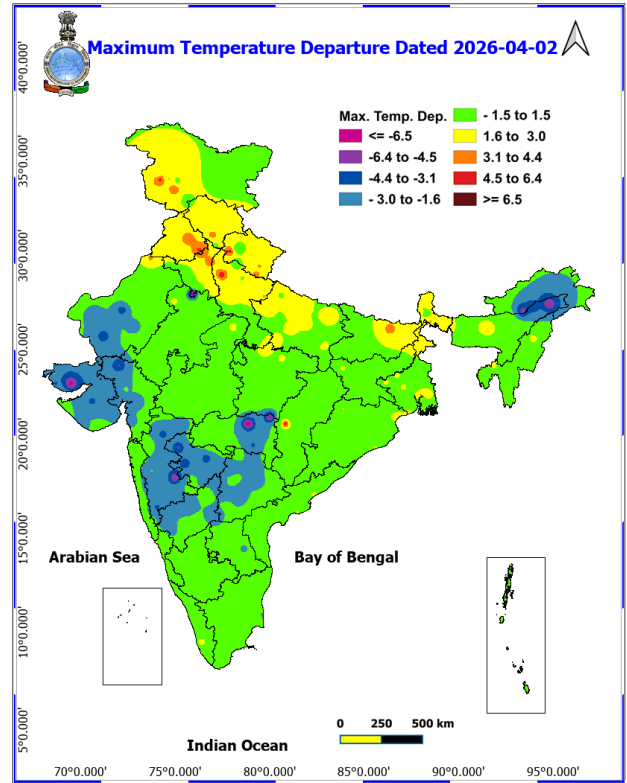
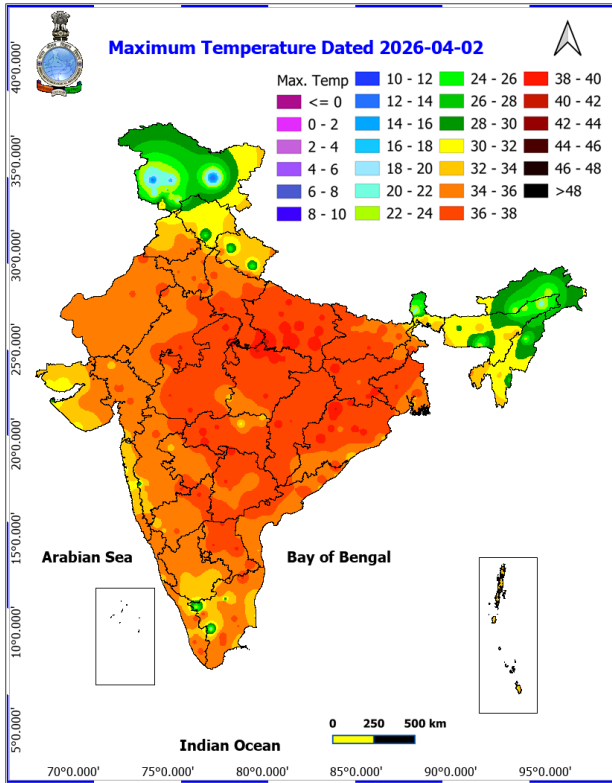
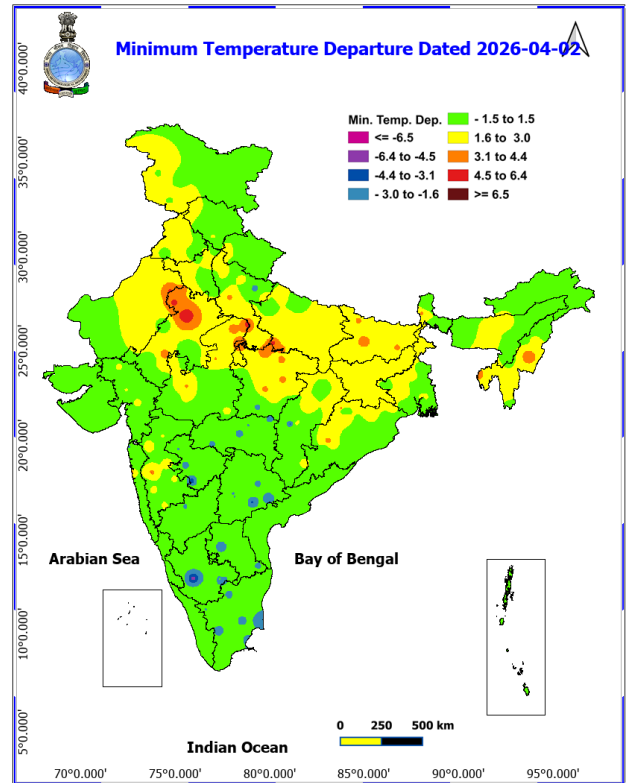
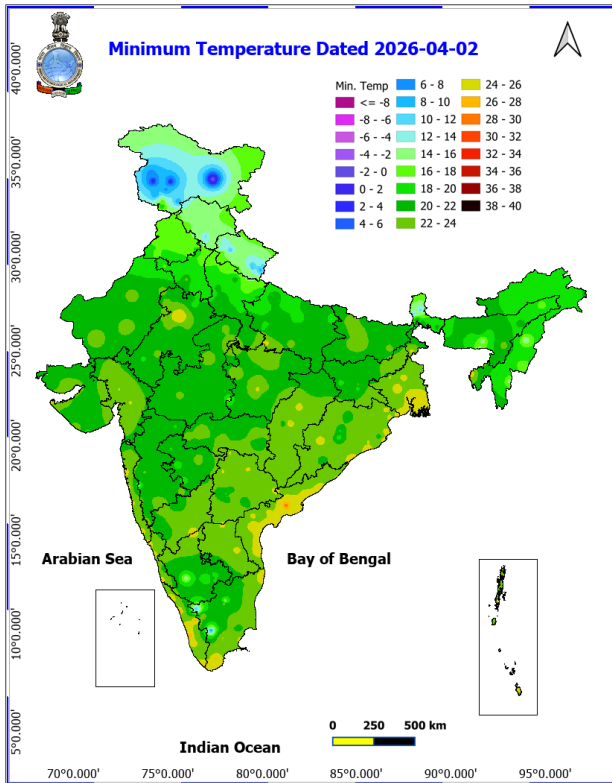


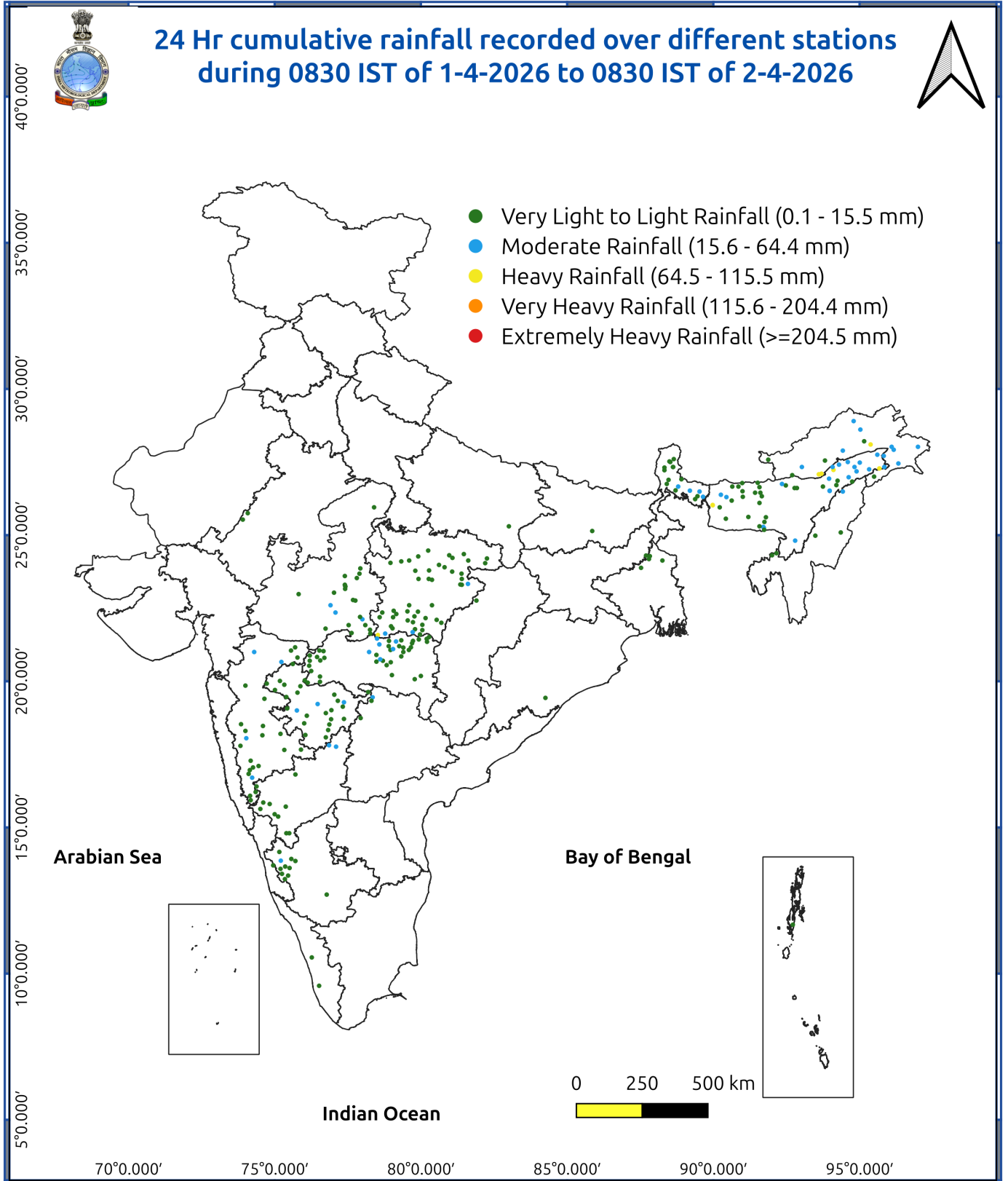
Fig. 3: Minimum Temperatures Dated 2026-04-02

Fig. 4: Departure of Minimum Temp. Dated 2026-04-02



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Impact and Actions

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

Isolated heavy rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 03rd & 04th; over Arunachal Pradesh during 06th - 08th April; Assam & Meghalaya on 05th & 06th April.

Impact Expected

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

Action Suggested

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

Impact expected and action suggested due to

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi and East Rajasthan on 03rd & 04th; West Rajasthan on 03rd; Uttarakhand on 04th; Uttar Pradesh on 04th & 05th April; Bihar during 05th-08th; Jharkhand on 05th & 06th; over West Madhya Pradesh on 03rd & 04th; over Madhya Maharashtra and Marathawada on 03rd April.

Isolated hailstorm activity also likely over Jammu-Kashmir on 03rd, 04th & 07th and Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi on 03rd & 04th, Uttarakhand on 04th, West Uttar Pradesh on 04th & 05th, Rajasthan on 03rd on 04th April and East Uttar Pradesh on 5th; over Madhya Pradesh during 03rd-04th, Chhattisgarh on 04th April.

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.

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- 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 various parts of the country

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 **Madhya Pradesh, Madhya Maharashtra, Marathwada, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Rajasthan, Uttar Pradesh and Chhattisgarh.**
- Undertake harvesting of matured crops and fruits immediately and shift them to safer places.
- **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.

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 and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

Legends & abbreviations:

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 द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं 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. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & 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. Marathawada
26. Vidharbha
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)

Subdivision Colour

- NO WARNING
- WATCH (BE UPDATED)
- 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

- | | | | |
|--------------------------|-----------------|----------------------|--------------------|
| Heavy Rain | Very Heavy Rain | Extremely Heavy Rain | Heavy Snow |
| Thunderstorm & Lightning | Hailstorm | Dust Storm | Dust Raising Winds |
| Strong surface winds | Heat Wave | Hot Day | Warm Night |
| Cold Wave | Cold Day | Ground Frost | Fog |
| Hot & Humid | | | |

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LEGENDS

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

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



Heavy: 64.5 to 115.5 mm/cm *
Very Heavy: 115.6 to 204.4 mm/cm*
Extremely Heavy: > 204.4 mm/cm *



When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .
Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.
Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$



When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .
Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.



When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .
Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$
Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions
Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .
Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$



Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres
Dense Fog: when the visibility between 50- 200 metres
Very Dense Fog: when the visibility < 50 metres



Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph
Severe: Wind speed 62-87 kmph
Very Severe: Wind speed > 87 kmph



Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre
High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre
Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre



Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)
Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)
Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)
Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)
Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

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