



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

> Tuesday, April 30, 2024 Time of Issue: 0800 hours IST (MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Weather Systems and Forecast & Warnings:

- ✤ A cyclonic circulation lies over northeast Assam and a trough runs from north Bihar to Manipur in lower tropospheric levels. Under their influence:
 - Fairly widespread to widespread light to moderate rainfall/snowfall accompanied with isolated thunderstorm & lightning & gusty winds (40-50 kmph) very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days.
 - ✓ Isolated light to moderate rainfall accompanied with thunderstorm & lightning & gusty winds (30-40 kmph) very likely over Sikkim on 30th April-02nd May with isolated hailstorm on 01st May, 2024.
 - ✓ Isolated heavy rainfall very likely over Arunachal Pradesh and Assam & Meghalaya on 30th April & 01st May and over Nagaland, Manipur, Mizoram & Tripura on 01st, 03rd & 04th May; with isolated very heavy rainfall over Arunachal Pradesh, Assam and Mizoram & Tripura and isolated extremely heavy rainfall very likely over Meghalaya on 02nd May, 2024.
- A Western Disturbance as a cyclonic circulation lies over Pakistan & adjoining Afghanistan upto middle tropospheric level. Under its influence:
 - Scattered to fairly widespread light to moderate rainfall/snowfall accompanied with thunderstorm, lightning very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 30th April, 2024.
 - ✓ Isolated rainfall accompanied with thunderstorm, lightning & gusty winds (30-40 kmph) very likely over Punjab on 30th April, 2024.
 - ✓ Strong surface winds (25-35 kmph) very likely to prevail over West Madhya Pradesh, East Uttar Pradesh, Bihar, Jharkhand during 30th April-02nd May, 2024.
- A trough/wind discontinuity runs from southeast Madhya Pradesh to South Interior Karnataka in lower tropospheric levels. Under its influence; isolated to scattered light to moderate rainfall accompanied with isolated thunderstorm & lightning very likely over Kerala & Mahe during next 7 days and Lakshadweep on 30th April, 2024.

Maximum temperature observation:

Yesterday, maximum temperatures were in the range of 42-45°C over in most parts of Gangetic West Bengal and Odisha; in many parts of Bihar, East Uttar Pradesh, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Rayalaseema; in some parts of Jharkhand, Vidarbha, Madhya Maharashtra, Marathwada, Telangana and Tamil Nadu, Puducherry & Karaikal; in isolated parts of North Interior Karnataka and West Madhya Pradesh; in the range of 40-42 in isolated pockets of West Madhya Pradesh, East Rajasthan ,Gujarat State and Kerala & Mahe. These were above normal by 4-8°C over in many parts of Gangetic West Bengal and Bihar; in some parts of Sub Himalayan West Bengal and in isolated pockets of north Odisha.

Heat Wave, Warm Night and Hot & Humid weather warning for next 5 days

- Heat Wave to severe heat wave conditions very likely to prevail in many places over Odisha, Bihar on 30th April & 01st May; Gangetic West Bengal during 30th April-02nd May and reduce in intensity thereafter. Heat Wave to severe heat wave conditions very likely to prevail in isolated pockets over Rayalaseema during 02nd-04th May. Heat wave conditions in isolated pockets over Sub-Himalayan West Bengal, Saurashtra & Kutch, Rayalaseema during 30th April-02nd May and Telangana, Interior Karnataka, Coastal Andhra Pradesh & Yanam during next 5 days.
- Hot and humid weather very likely to prevail over West Assam, Tripura, south Gujarat Region, Tamil Nadu, Puducherry & Karaikal on 30th April & 01st May and Konkan & Goa, Kerala & Mahe and Coastal Karnataka during 30th April-04th May, 2024.
- Warm night very likely to prevail over Interior Karnataka during next 5 days.





Main Weather Observations:

- Rainfall distribution (from 0830 hours IST to 1730 hours IST of yesterday): at most places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at many places over Himachal Pradesh and at isolated places over Punjab, West Rajasthan, Nagaland, Manipur, Mizoram & Tripura, Vidarbha, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.
- Significant amount of rainfall (from 0830 hours IST to 1730 hours IST of yesterday) (in cm): Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad: Banihal-4, Pahalgam-3, Kupwara and Bhaderwah-2 each, Quazigund, Batote, Katra, Jammu, Srinagar-1 each; Himachal Pradesh: Bhuntar, Manali, Dharamshala-2 each, Mandi, Sundernagar, kalpa-1 each.
- Yesterday, Heat Wave to severe heat wave conditions prevailed in most parts over Gangetic West Bengal; in Few parts over Saurashtra & Kutch, Bihar, Sub-Himalayan West Bengal and Odisha and Heat wave conditions in isolated pockets over Jharkhand, Kerala, Konkan and Rayalaseema. Heat wave conditions have been prevailing over Odisha since 15th and over Gangetic West Bengal since 17th April.
- Minimum Temperature Departures (as on 29-04-2024): Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Madhya Maharashtra, at a few places over Marathwada; at isolated places over East Uttar Pradesh, Telangana, Bihar, West Bengal & Sikkim, Konkan & Goa and Nagaland, Manipur, Mizoram & Tripura; above normal (1.6°C to 3.0°C) at most places over Karnataka and Kerala & Mahe; at a few places over Gujarat Region and Odisha; at isolated places over Punjab, Saurashtra & Kutch, Vidarbha, Assam & Meghalaya, Rayalaseema, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. These were below normal (-1.6°C to -3.0°C) at isolated places over rest parts of the country. Yesterday, the lowest minimum temperature of 18.1°C was reported at Amritsar (Punjab) over the plains of the country.
- * Maximum Temperature Departures (as on 29-04-2024): Maximum temperatures were markedly above normal (5.1°C or more) at most places over Gangetic West Bengal; at a few places over Odisha, Bihar and Sub-Himalayan West Bengal; at isolated places over Konkan & Goa; **appreciably above normal (3.1°C to 5.0°C)** at most places over Kerala & Mahe; at a few places over East Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at many places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Lakshadweep; at a few places over Karnataka and Telangana; at isolated places over West Uttar Pradesh, Chhattisgarh, Jharkhand, Assam & Meghalaya, Madhya Maharashtra and Andaman & Nicobar Islands. These were markedly below normal (-5.1°C or less) at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at a few places over Himachal Pradesh; at isolated places over Punjab and Haryana-Chandigarh; appreciably below normal (-3.1°C to -5.0°C) at many places over West Rajasthan; at isolated places over East Rajasthan; below normal (-1.6°C to -3.0°C) at isolated places over Gujarat Region, West Madhya Pradesh and Vidarbha and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 45.4°C was reported at Kandla (Saurashtra & Kutch) and Kalaikunda (Gangetic West Bengal) over the country.





Meteorological Analysis (Based on 0530 hours IST)

- The Western Disturbance as a cyclonic circulation over east Afghanistan & adjoining Pakistan now lies over Pakistan & adjoining Afghanistan between 3.1 km & 9.6 km above mean sea level.
- The cyclonic circulation over northeast Assam & neighbourhood between 1.5 & 3.1 km above mean sea level persists.
- The trough from north Bihar to Manipur across Sub-Himalayan West Bengal and south Assam at 0.9 km above mean sea level persists.
- The trough/wind discontinuity from central Vidarbha to Coastal Karnataka now runs from southeast Madhya Pradesh to South Interior Karnataka across Vidarbha, Marathawada & North Interior Karnataka and extends upto 1.5 km above mean sea level.
- The cyclonic circulation over south Tamil Nadu & neighbourhood at 0.9 km above mean sea level persists.
- The cyclonic circulation over central parts of South Arabian Sea now lies over Southwest Arabian Sea & adjoining equatorial Indian Ocean and extends upto 4.5 km above mean sea level.
- A fresh Western Disturbance is likely to affect Western Himalayan Region from the night of 03rd May, 2024.
- The cyclonic circulation over northwest Rajasthan & neighbourhood extending upto 1.5 km above mean sea level has become less marked.

Weather Forecast for next 7 days (Upto 0830 hours IST of 07th May, 2024)

- Meteorological sub-division wise detailed 7 days rainfall forecast is given in Table-1.
- Rise in maximum temperatures by about 1-2 °C very likely over East India during next 24 hours and no significant change thereafter.
- Gradual Rise in maximum temperatures by about 2-4°C very likely over Central India during next 4-5 days.
- Rise in maximum temperatures by 2-3°C very likely over Tamil Nadu during next 2-3 days and no significant change thereafter.
- ◆ No significant change in maximum temperatures very likely over rest parts of the country.

Weather Outlook for subsequent 3 days (During 07th-09th May, 2024)

- Isolated to scattered light/moderate rainfall likely over Northwest, Northeast & south Peninsular India.
- Dry weather likely to prevail over rest parts of the country.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Table-1

	7 Days R	ainfall	Forecas	st				
		30-	01-	02-	03-	04-	05-	06-
S.		Apr	May	May	May	May	May	May
No.	Subdivision	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
2	ARUNACHAL PRADESH	FWS	WS	WS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	SCT	WS	WS	FWS	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	SCT	FWS	WS	WS	FWS	FWS	FWS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	ISOL	SCT	SCT	ISOL	SCT	FWS	FWS
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	ISOL	SCT
7	ODISHA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
9	BIHAR	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	SCT
12	UTTARAKHAND	ISOL	DRY	DRY	DRY	ISOL	ISOL	SCT
13	HARYANA CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
14	PUNJAB	ISOL	DRY	DRY	DRY	ISOL	DRY	ISOL
15	HIMACHAL PRADESH	SCT	ISOL	DRY	DRY	SCT	ISOL	SCT
16	JAMMU & KASHMIR AND LADAKH	FWS	ISOL	DRY	ISOL	SCT	ISOL	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	ISOL	DRY	ISOL
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
21	GUJARAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
28	COASTAL ANDHRA PRADESH & YANAM	ISOL	DRY	DRY	DRY	DRY	DRY	SCT
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
35	KERALA & MAHE	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
36	LAKSHADWEEP	WS	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

* 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)





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Fig. 1: Maximum Temperatures

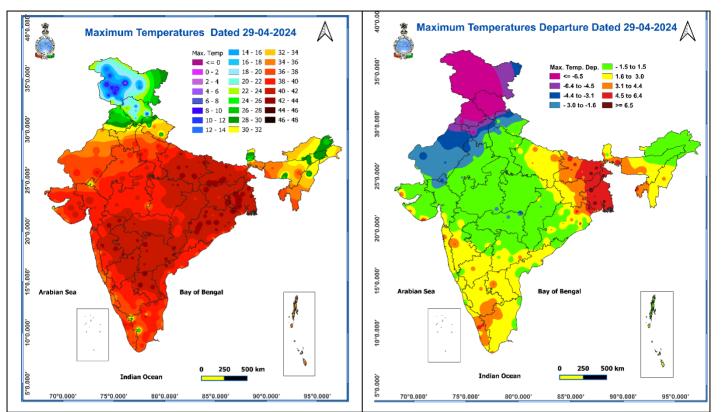
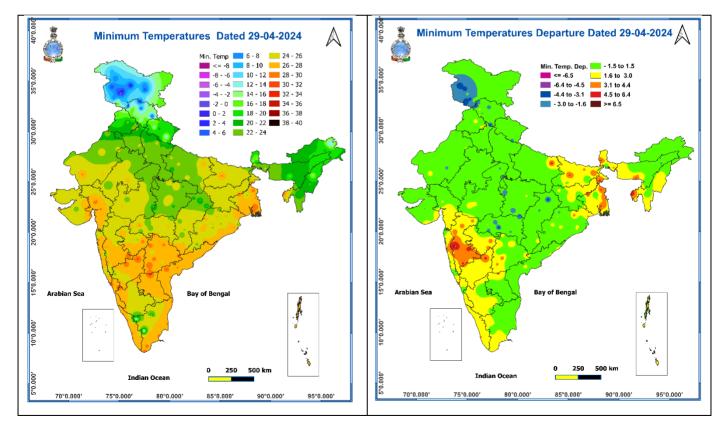


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures



* 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)

Fig. 2: Departure of Maximum Temperatures

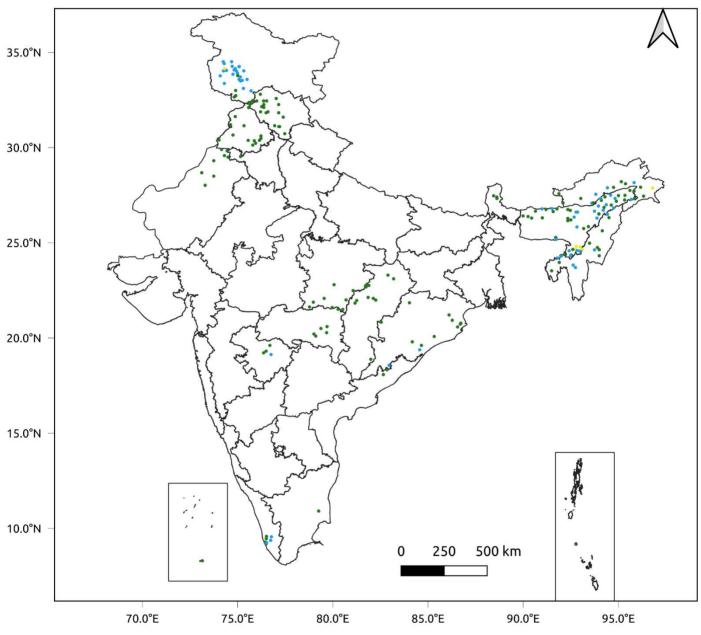




Fig. 5: Accumulated Rainfall (mm) during past 24 hours



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 28-4-2024 to 0830 IST of 29-4-2024



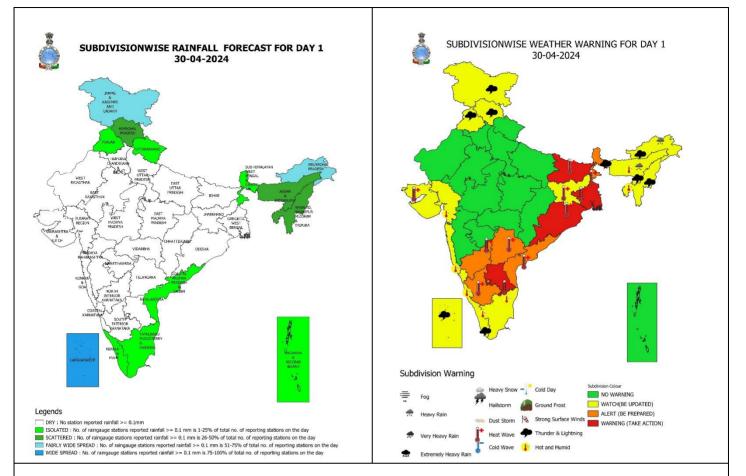
Legends

- Very Light to Light Rainfall (0.1 15.5 mm)
- Moderate Rainfall (15.6 64.4 mm)
- Heavy Rainfall (64.5 115.5 mm)
- Very Heavy Rainfall (115.6 204.4 mm)
- Extremely Heavy Rainfall (>=204.5 mm)





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



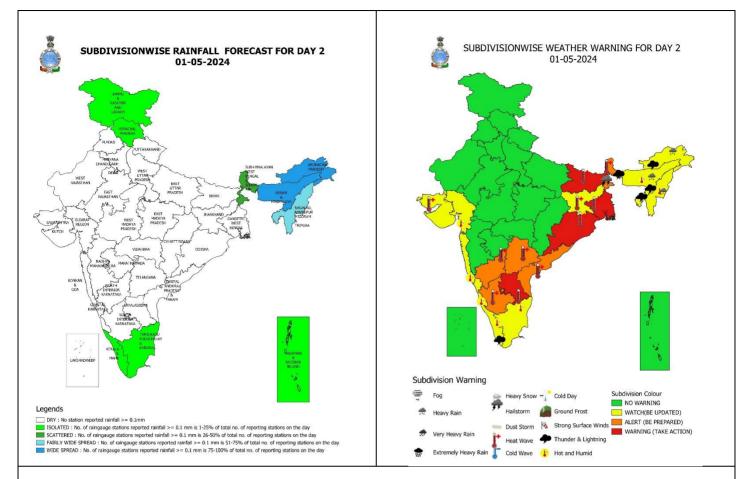
30 April (Day 1):

- Thunderstorm accompanied with lightning, gusty winds (speed reaching 40-50 kmph) very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Lakshadweep; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Sub-Himalayan West Bengal & Sikkim; with lightning at isolated places over Himachal Pradesh, Arunachal Pradesh and Kerala & Mahe.
- Heavy rainfall very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- Hot and humid weather very likely to prevail over west Assam & Meghalaya, Tripura, Konkan & Goa, south Gujarat Region, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Coastal Karnataka.
- Heat wave to severe heat wave conditions very likely to prevail at many places over Gangetic West Bengal, Bihar; in isolated pockets over Odisha; heat wave conditions in isolated pockets over Sub-Himalayan West Bengal, Jharkhand, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Interior Karnataka.
- Warm night conditions very likely to prevail in isolated pockets over Interior Karnataka.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



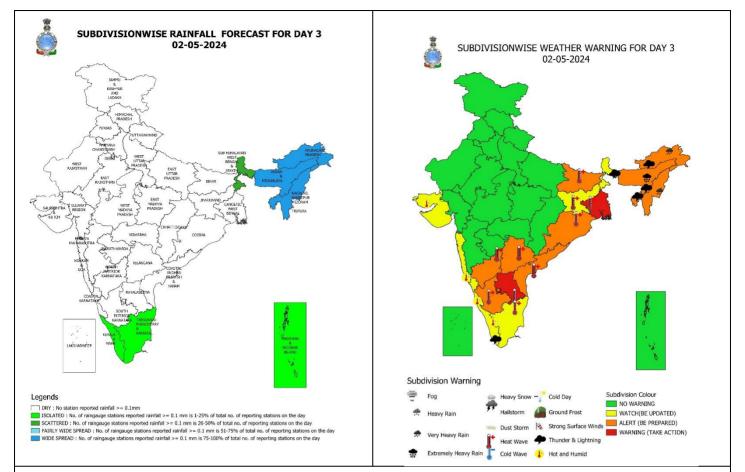
01 May (Day 2):

- Thunderstorm accompanied with lightning, gusty winds (speed reaching 40-50 kmph) & hailstorm very likely at isolated places over Sub-Himalayan West Bengal & Sikkim; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; with lightning at isolated places over Arunachal Pradesh and Kerala & Mahe.
- Heavy rainfall very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- Hot and humid weather very likely to prevail over west Assam & Meghalaya, Tripura, Konkan & Goa, south Gujarat Region, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Coastal Karnataka.
- Heat wave to severe heat wave conditions very likely to prevail at many places over Gangetic West Bengal, Bihar; in isolated pockets over Odisha; heat wave conditions in isolated pockets over Sub-Himalayan West Bengal, Jharkhand, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Interior Karnataka.
- Warm night conditions very likely to prevail in isolated pockets over Interior Karnataka.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



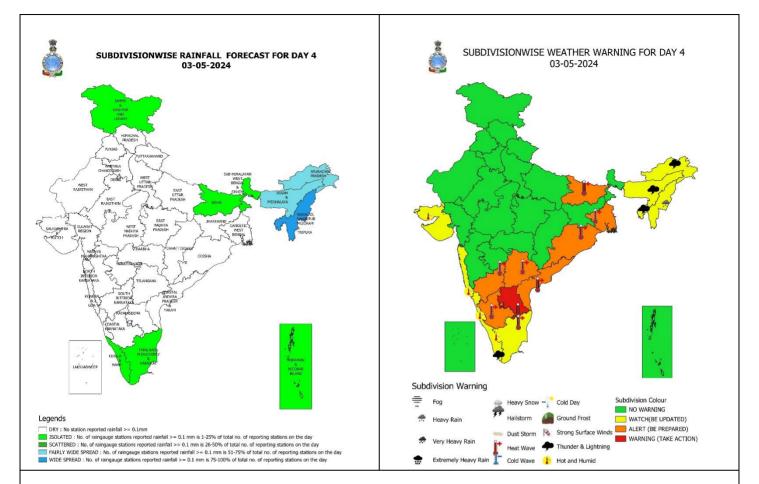
02 May (Day 3):

- Thunderstorm accompanied with lightning, gusty winds (speed reaching 40-50 kmph) very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Sub-Himalayan West Bengal & Sikkim; with lightning at isolated places over Arunachal Pradesh and Kerala & Mahe.
- Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Assam & Meghalaya; Heavy to very heavy rainfall at isolated places over Arunachal Pradesh and Mizoram & Tripura and heavy rainfall at isolated places over Nagaland, & Manipur.
- Hot and humid weather very likely to prevail over Konkan & Goa, Saurashtra & Kutch, Kerala & Mahe and Coastal Karnataka.
- Heat wave to severe heat wave conditions very likely to prevail in isolated pockets over Gangetic West Bengal, Rayalaseema; heat wave conditions in isolated pockets over Bihar, Odisha, Jharkhand, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Interior Karnataka.
- Warm night conditions very likely to prevail in isolated pockets over Interior Karnataka.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



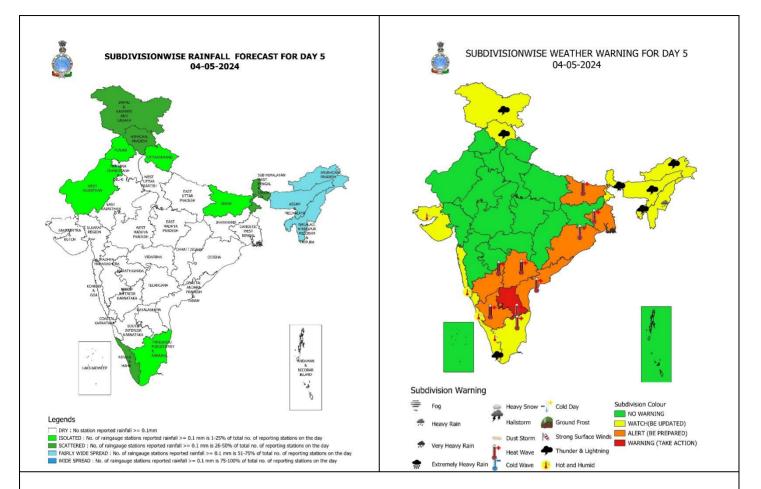
03 May (Day 4):

- Thunderstorm accompanied with lightning, gusty winds (speed reaching 40-50 kmph) likely at isolated places over Nagaland, Manipur, Mizoram & Tripura; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Assam & Meghalaya and with lightning at isolated places over Arunachal Pradesh and Kerala & Mahe.
- *** Heavy rainfall** likely at isolated places over Nagaland & Manipur.
- Hot and humid weather likely to prevail over Konkan & Goa, Saurashtra & Kutch, Kerala & Mahe and Coastal Karnataka.
- Heat wave to severe heat wave conditions likely to prevail in isolated pockets over Rayalaseema; heat wave conditions in isolated pockets over Gangetic West Bengal, Bihar, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Interior Karnataka.
- ***** Warm night conditions likely to prevail in isolated pockets over Interior Karnataka.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



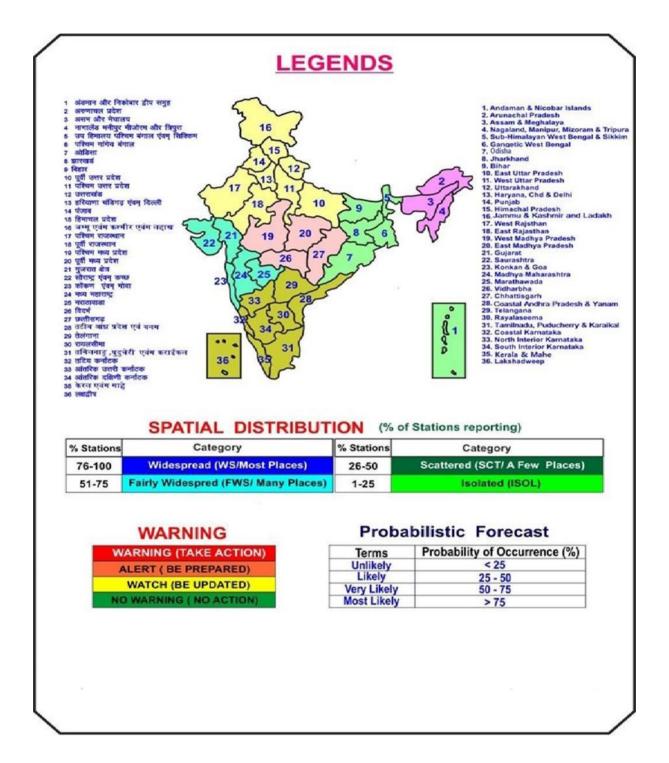
04 May (Day 5):

- Thunderstorm accompanied with lightning, gusty winds (speed reaching 40-50 kmph) likely at isolated places over Nagaland, Manipur, Mizoram & Tripura; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Assam & Meghalaya and with lightning at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Kerala & Mahe.
- ✤ Heavy rainfall likely at isolated places over Nagaland & Manipur.
- Hot and humid weather likely to prevail over Konkan & Goa, Saurashtra & Kutch, Kerala & Mahe and Coastal Karnataka.
- Heat wave to severe heat wave conditions likely to prevail in isolated pockets over Rayalaseema; heat wave conditions in isolated pockets over Gangetic West Bengal, Bihar, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Interior Karnataka.
- ***** Warm night conditions likely to prevail in isolated pockets over Interior Karnataka.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences







	L	LEGENDS	A				
	WARNING	Proba	Probabilistic Forecast				
	WARNING (TAKE ACTION)	Terms	Probability of Occurrence (%)				
	ALERT (BE PREPARED)	Unlikely Likely	< 25 25 - 50				
	WATCH (BE UPDATED)	Very Likely	50 - 75				
	NO WARNING (NO ACTION)	Most Likely	> 75				
nin/ Snow *	Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm* Extremely Heavy: > 204.4 mm/cm *						
	(a) Based on Departure from norm	ial	° C for plains and ≥30° C for hilly re				
Î+	Heat Wave: Maximum Temperature Departure from normal 4.5° C to 6.4° C. Severe Heat Wave: Maximum Temperature Departure from normal ≥6.5° C						
۲	(b). Based on Actual maximum ten	•					
leat Wave	Heat Wave: When actual maximum tem Severe Heat Wave: When actual maxim						
	(c). Criteria for heat wave for coas						
			eat Wave may be described provided maxin				
Î+	When maximum temperature rem		4.00				
arm Night	Warm Night: When minimum temperatu Severe Warm Night: When minimum te						
	(a). Based on departure		plains and $\leq 0^{\circ}$ C for hilly regions.				
	Cold Wave: Minimum Temperature Dep Severe Cold Wave: Minimum Temperat						
_	(b) Based on actual Minimum Temperature (for Plains only)						
Cold Wave	Cold Wave : When Minimum Temperature (is ≤ 4.0 °C						
	Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C						
	(c) For Coastal Stations						
	When Minimum Temperature departure	is ≤-4.5 °C & actual I	/inimum Temperature is ≤ 15 °C				
	When minimum temperature of a	station ≤10°C for pl	ains and ≤0°C for hilly regions				
[-	Based on departure		01-0400				
Cold Day	Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C						
	Severe Cold Day: Maximum Temperatu	are Departure from norm	ai ≤ -6.5 °C				
	2		and the horizontal visibility < 1				
Ø	Moderate Fog: When the visibility between 500-200 metres Dense Fog: when the visibility between 50- 200 metres						
Fog	Very Dense Fog: when the visibility < 50						
<i>FF</i> nunderstorm	Sudden electrical discharges mani sound (thunder)	ifested by a flash of	ight (Lightning) and a sharp rumbling				
Dust/Sand Storm	An ensemble of particles of dust o turbulent wind.	r sand energetically	lifted to great heights by a strong an				
<u> </u>	Ice deposits on ground						
J Frost	Air temperature ≤4°C (over Plains)						
FIOSI	A	and the fact of the second					
\sim	A strong wind that rises sudd Moderate: Wind speed 52-61 kmph	enly, lasts for atle	east 1 minute.				
47	Severe: Wind speed 52-61 kmph						
Squall	Very Severe: Wind speed >87 kmph						
44	Effect of various waves in the sea Rough to very rough: Wind speed 41-		Wave height 2 5-6 metre				
	High to very high: Wind speed 41-1						
ea State	Phenomenal: Wind speed >117 kmph (>63 knots) & Wave heig	nt >14 metre				
	Cyclonic Storm: Wind anod 62.07 http://	ph (34 47 kpoto)					
6	Cyclonic Storm: Wind speed 62-87 km Severe Cyclonic Storm: Wind speed 8		s)				
0	Very Severe Cyclonic Storm: Wind speed of						
Cyclone	Extremely Severe Cyclonic Storm: W Super Cyclone Strom: Wind speed >22	ind speed 166-220 kmp	n (90 -119 knots)				