

Monday, June 3, 2024
Time of Issue: 0800 hours IST
(MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Advance of Southwest Monsoon:

- ❖ The Northern Limit of Monsoon continues to pass through 14°N/60°E, 14°N/65°E, 13.5°N/70°E, Mangalore, Chitradurga, Nellore, 14.5°N/82.5°E, 16°N/85°E, 21°N/90°E, 23°N/89.5°E and Islampur.
- ❖ Conditions are favourable for further advance of Southwest Monsoon into some more parts of central Arabian Sea, Karnataka, Rayalaseema, Coastal Andhra Pradesh, Westcentral and Northwest Bay of Bengal during next 2-3 days.

Weather Systems and Forecast & Warnings:

- ❖ Strong southwesterly/southerly winds are prevailing from Bay of Bengal to northeastern States in lower tropospheric levels. Under their influence:
 - ✓ Fairly widespread to widespread light to moderate rainfall accompanied with thunderstorm, lightning & gusty winds (30-40 kmph) very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim during next 7 days.
 - ✓ Isolated **heavy to very heavy rainfall** very likely over Assam & Meghalaya on 03rd & 04th and **heavy rainfall** during 05th-07th. Isolated **heavy rainfall** also very likely over Arunachal Pradesh, Tripura on 03rd & 04th and Sub-Himalayan West Bengal & Sikkim during 03rd-07th June.
- ❖ A cyclonic circulation lies over southern parts of East Uttar Pradesh in lower tropospheric levels. Under its influence; scattered to fairly widespread light to moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (30-40 kmph)** very likely over Bihar, Gangetic West Bengal during 03rd-05th; isolated to scattered light/moderate rainfall over Chhattisgarh, Vidarbha, Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada during next 5 days.
- ❖ A cyclonic circulation lies over southeast Arabian sea adjoining south Kerala coast in middle tropospheric levels and another over westcentral Bay of Bengal adjoining southwest Bay of Bengal off south Coastal Andhra Pradesh adjoining north Tamil Nadu in lower tropospheric levels. Strong westerly winds are prevailing along Kerala Coast. Under their influence:
 - ✓ Fairly widespread to widespread light to moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (30-40 kmph)** very likely over Kerala & Mahe, Lakshadweep, Andaman & Nicobar Islands, Karnataka; isolated to scattered light to moderate rainfall over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Telangana, Rayalaseema during next 7 days.
 - ✓ *Isolated **heavy rainfall** very likely over Tamil Nadu on 05th; Interior Karnataka and Kerala & Mahe during 03rd-07th June, 2024.*
- ❖ A Western Disturbance as a trough aloft in middle tropospheric westerlies runs roughly along Long. 80°E to the north of Lat. 28°N. Two cyclonic circulations lie over northwest Uttar Pradesh and southwest Madhya Pradesh respectively in lower tropospheric levels. Prevailing southwesterly Arabian Sea winds over the plains of Northwest India are likely to continue during next 7 days. Under their influence:
 - ✓ Isolated to scattered light rainfall accompanied with **thunderstorm, lightning & gusty winds (30-40 kmph)** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand during next 5 days.
 - ✓ Isolated very light to light rainfall with **thunderstorm, lightning & gusty winds (30-40 kmph)** very likely over Punjab and Haryana during 03rd-07th; Uttar Pradesh during 03rd-05th and Rajasthan on 03rd June.

Maximum temperature observation:

Yesterday, **Maximum temperatures** witnessed a fall by 3-4°C over some parts of East Madhya Pradesh; by 2-3 in some parts of Interior Odisha, Vidarbha, Punjab and by 1-2°C over some parts of Haryana, West Uttar Pradesh, West Madhya Pradesh & adjoining East Rajasthan. Maximum Temperature were in the range 43-45°C over some parts of north Rajasthan, south Haryana, Delhi, north Madhya Pradesh & south east Madhya Pradesh; in the range 41-43°C over many parts of Punjab, remaining parts of Haryana, Delhi south Rajasthan, Madhya Pradesh; over some parts of west Uttar Pradesh, Chhattisgarh, Vidarbha, Telangana, south Interior Odisha.

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

- ❖ **Heat wave conditions** very likely in some parts of Punjab, Haryana-Chandigarh-Delhi and in isolated pockets of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha on 03rd & 04th; Himachal Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh on 03rd; Uttar Pradesh during 03rd-05th; Jharkhand during 04th-07th; Haryana-Chandigarh-Delhi on 05th June, 2024.
- ❖ **Hot and humid weather** very likely to prevail over isolated pockets of Bihar on 03rd & 04th Konkan & Goa on 03rd; Odisha during 05th-07th June, 2024.

* 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)

Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **at many places** over Kerala & Mahe; **at a few places** over Chhattisgarh, Andaman & Nicobar Islands; **at isolated places** over Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka, Telangana, Odisha, East Rajasthan, Uttarakhand, Jharkhand, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura.
- ❖ **Heavy rainfall recorded** (from 0830 hours IST to 1730 hours IST of yesterday): **Heavy to very heavy rainfall** observed at isolated places over Kerala; **heavy rainfall** at isolated places over Arunachal Pradesh.
- ❖ **Significant amount of rainfall** (from 0830 hours IST to 1730 hours IST of yesterday) (in cm): **Kerala:** Thrissur & Alappuzha-12 each, Ernakulam-9, Kozhikode- 7; **Tamil Nadu:** Chennai-6, Phoothukudi-3, Salem-2; **Telangana:** Siddipet-5; **Arunachal Pradesh:** Papumpare-9, Lohit-4, East siang-2; **Chhattisgarh:** Jashpur-2, Koriya-2.
- ❖ **Reported maximum wind speed (kmph)** (from 0830 hours IST to 1730 hours IST of yesterday): **Jammu-Kashmir:** leh-78, Kargil-48; **Rajasthan:** Alwar, Ajmer-52 each, Sikar-50, Bikaner-44; **East Madhya Pradesh:** Rewa-59, Satna-56; **Chhattisgarh:** Korba-54, Bilaspur-52, Jashpur-44; **Odisha:** Bhadrak- 52, Puri-41; **Telangana:** Karimnagar-50, Rangaraddy-43.
- ❖ Yesterday, **Heat wave** conditions prevailed in isolated pockets over central part of Uttar Pradesh, Haryana, Himachal Pradesh and Madhya Pradesh. **Heat wave conditions** have been prevailing over Haryana since 17th and over Madhya Pradesh & Uttar Pradesh since 18th May, 2024.
- ❖ **Minimum Temperature Departures (as on 02-06-2024):** Minimum temperatures were **markedly above normal (5.1°C or more)** at isolated places over East Madhya Pradesh, Chhattisgarh and Vidarbha; **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Uttar Pradesh, Telangana, Punjab, Haryana-Chandigarh-Delhi, Marathwada, Assam & Meghalaya and Andaman & Nicobar Islands; **above normal (1.6°C to 3.0°C)** at a few places over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Konkan & Goa, Gujarat state, Rajasthan, Kerala & Mahe, Lakshadweep and West Madhya Pradesh; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram & Tripura, Odisha and Madhya Maharashtra. These were **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Gangetic West Bengal; **below normal (-1.6°C to -3.0°C)** at many places over Tamil Nadu, Puducherry & Karaikal; at isolated places over Sub-Himalayan West Bengal & Sikkim, Bihar and Rayalaseema and **near normal** over rest parts of the country. Yesterday, **the lowest minimum temperature** of 21.2°C was reported at **Dehri (Bihar)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 02-06-2024):** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places Haryana-Chandigarh-Delhi, Punjab, Nagaland, Manipur, Mizoram & Tripura; **above normal (1.6°C to 3.0°C)** at isolated places over Himachal Pradesh, Rayalaseema, Uttar Pradesh, West Madhya Pradesh, Vidarbha, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Karnataka, North Interior Karnataka, Madhya Maharashtra, Saurashtra & Kutch, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim. These were **below normal (-1.6°C to -3.0°C)** at a few places over Bihar, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam; at isolated places over East Madhya Pradesh, Odisha and **near normal** over rest parts of the country. Yesterday, **the highest maximum temperature** of 45.4°C was reported at Ganganagar (**West Rajasthan**) over the country.

Meteorological Analysis (Based on 0530 hours IST)

- ❖ The Northern Limit of Monsoon continues to pass through 14°N/60°E, 14°N/65°E, 13.5°N/70°E, Mangalore, Chitradurga, Nellore, 14.5°N/82.5°E, 16°N/85°E, 21°N/90°E, 23°N/89.5°E and Islampur.
- ❖ Conditions are favourable for further advance of Southwest Monsoon into some more parts of central Arabian Sea, some more parts of Karnataka, Rayalaseema & Coastal Andhra Pradesh; some more parts of Westcentral and Northwest Bay of Bengal during next 2-3 days.
- ❖ The cyclonic circulation over Eastcentral Bay of Bengal between 3.1 & 5.8 km above mean sea level tilting southwestwards with height persists.
- ❖ The cyclonic circulation over westcentral adjoining southwest Bay of Bengal off south Coastal Andhra Pradesh-north Tamil Nadu coasts at 1.5 km above mean sea level persists.
- ❖ The cyclonic circulation over south Sri Lanka & neighbourhood between 3.1 & 4.5 km above mean sea level persists.
- ❖ The cyclonic circulation lies over southeast Arabian sea adjoining south Kerala coast at 3.1 km above mean sea level persists.
- ❖ The cyclonic circulation over Westcentral adjoining Southwest Arabian Sea between 3.1 & 4.5 km above mean sea level persists.
- ❖ The Western Disturbance as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 80°E to the north of Lat. 28°N.
- ❖ The cyclonic circulation over central Pakistan & neighbourhood at 1.5 km above mean sea level persists.
- ❖ The cyclonic circulation over southeast Rajasthan & neighbourhood now lies over southwest Madhya Pradesh & neighbourhood at 0.9 km above mean sea level.
- ❖ The cyclonic circulation over Saurashtra adjoining northeast Arabian sea now lies over central parts of Gujarat at 3.1 km above mean sea level.
- ❖ The cyclonic circulation over southern parts of East Uttar Pradesh & neighbourhood extending upto 1.5 km above mean sea level persists.
- ❖ The cyclonic circulation over north Haryana & neighbourhood now lies over northwest Uttar Pradesh & neighbourhood and extends upto 1.5 km above mean sea level.
- ❖ A fresh western disturbance is likely to affect Western Himalayan Region and adjoining plains from 04th June, 2024.
- ❖ The cyclonic circulation over southwest Uttar Pradesh & neighbourhood between 3.1 & 4.5 km above mean sea level has become less marked.

Weather Forecast for next 7 days (Upto 0830 hours IST of 10th June, 2024)

- ❖ Meteorological sub-division wise detailed 7 days rainfall forecast is given in Table-1.
- ❖ No significant change in maximum temperatures very likely over **Northwest India** during next 2 days and fall by 2-3°C thereafter.
- ❖ No significant change in maximum temperatures very likely over **West India** during next 24 hours and fall by 2-3°C thereafter.
- ❖ No significant change in maximum temperatures very likely over rest parts of the country.

Weather Outlook for subsequent 3 days (During 10th-12th June, 2024)

- ❖ Scattered to fairly widespread rainfall likely over Islands, Northeast and Peninsular India. Isolated to Scattered to rainfall likely over Western Himalayan Region.
- ❖ Mainly dry weather likely to prevail over rest parts of the country.

Table-1

7 Days Rainfall Forecast								
S. No.	Subdivision	03- Jun	04- Jun	05- Jun	06- Jun	07- Jun	08- Jun	09- Jun
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	WS	WS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	WS	WS	WS	WS	WS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	WS	WS	FWS	FWS	FWS	FWS	FWS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	WS	WS	WS	WS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	FWS	SCT	SCT	ISOL	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
9	BIHAR	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	FWS	FWS	ISOL	ISOL	ISOL	ISOL
13	HARYANA CHANDIGARH & DELHI	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
14	PUNJAB	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	SCT	SCT	SCT	ISOL	DRY	DRY
16	JAMMU & KASHMIR AND LADAKH	ISOL	ISOL	SCT	SCT	ISOL	DRY	DRY
17	WEST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
21	GUJARAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH & YANAM	FWS	FWS	FWS	SCT	ISOL	ISOL	ISOL
29	TELANGANA	FWS	FWS	FWS	SCT	ISOL	ISOL	ISOL
30	RAYALASEEMA	FWS	FWS	SCT	SCT	ISOL	ISOL	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	SCT	ISOL	SCT	SCT	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS	FWS	FWS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	FWS	FWS	FWS	WS	WS	FWS	FWS
34	SOUTH INTERIOR KARNATAKA	WS	FWS	WS	WS	WS	FWS	FWS
35	KERALA & MAHE	FWS	FWS	WS	WS	WS	WS	WS
36	LAKSHADWEEP	WS	WS	WS	WS	WS	WS	WS

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)

Fig. 1: Maximum Temperatures

Fig. 2: Departure of Maximum Temperatures

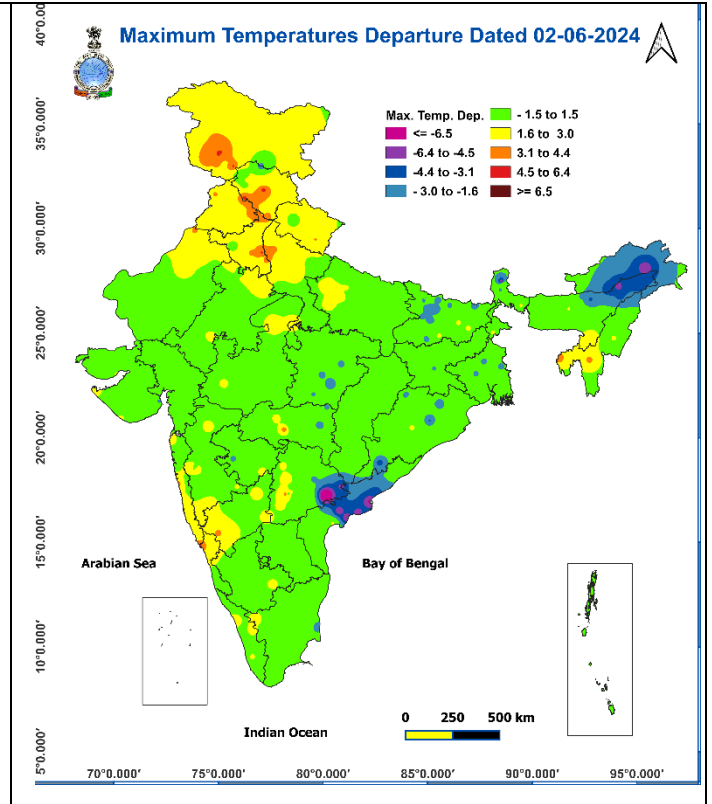
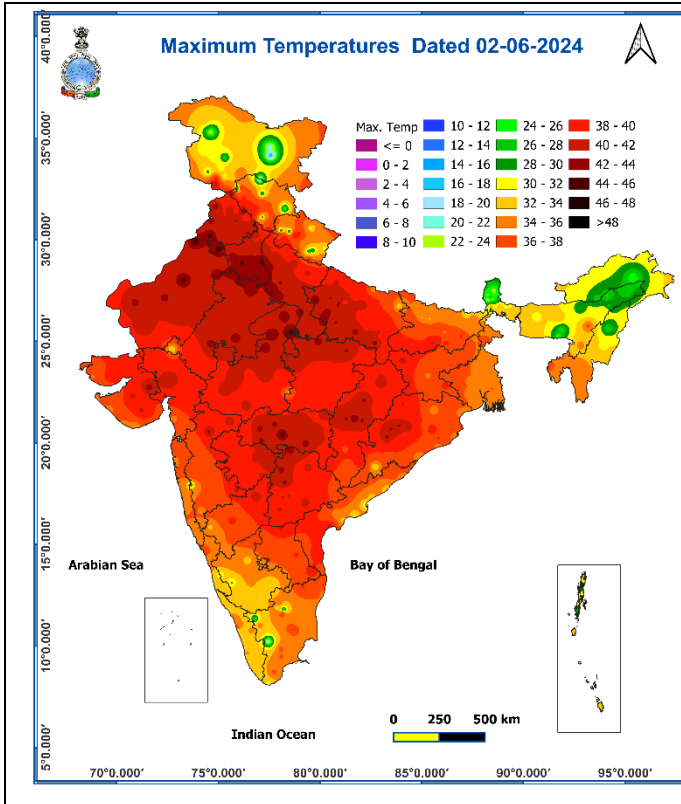


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures

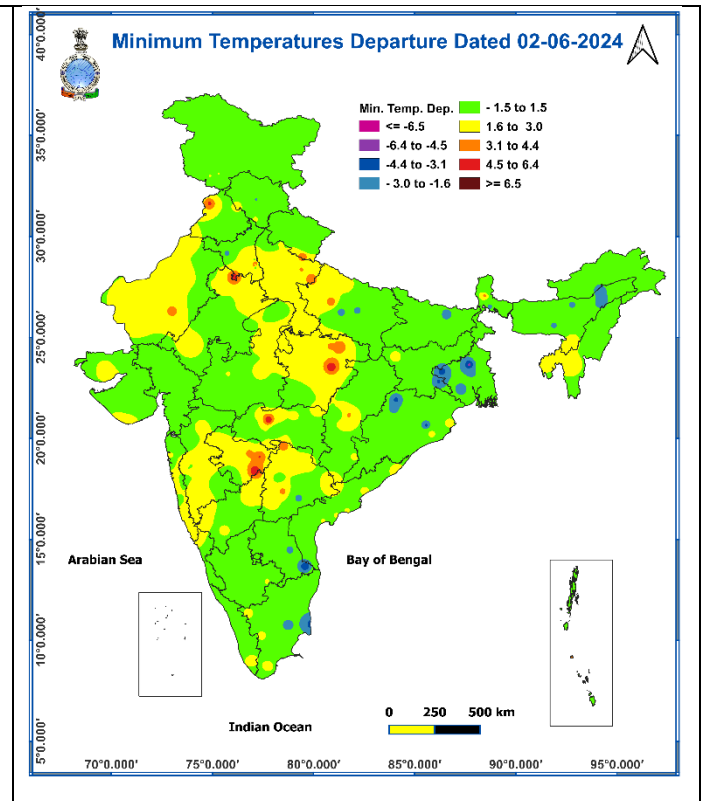
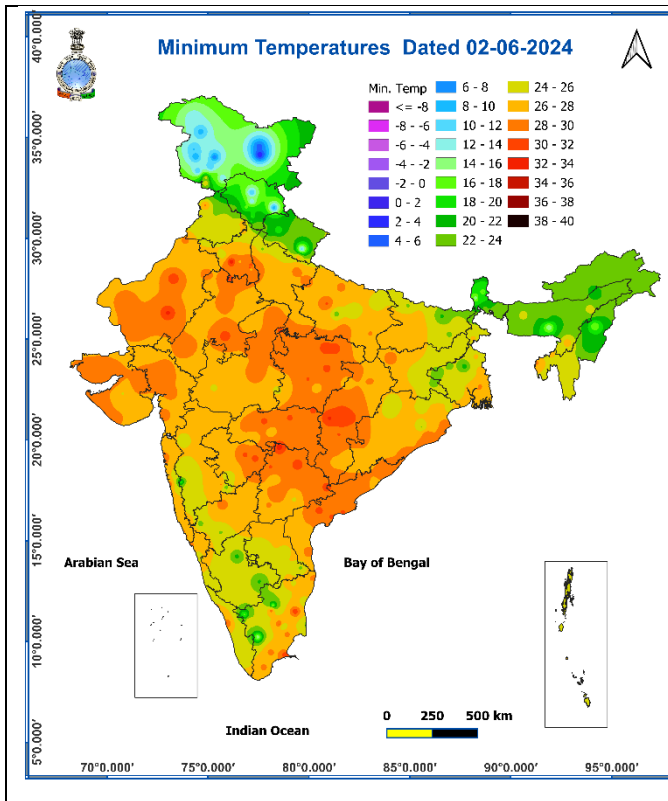
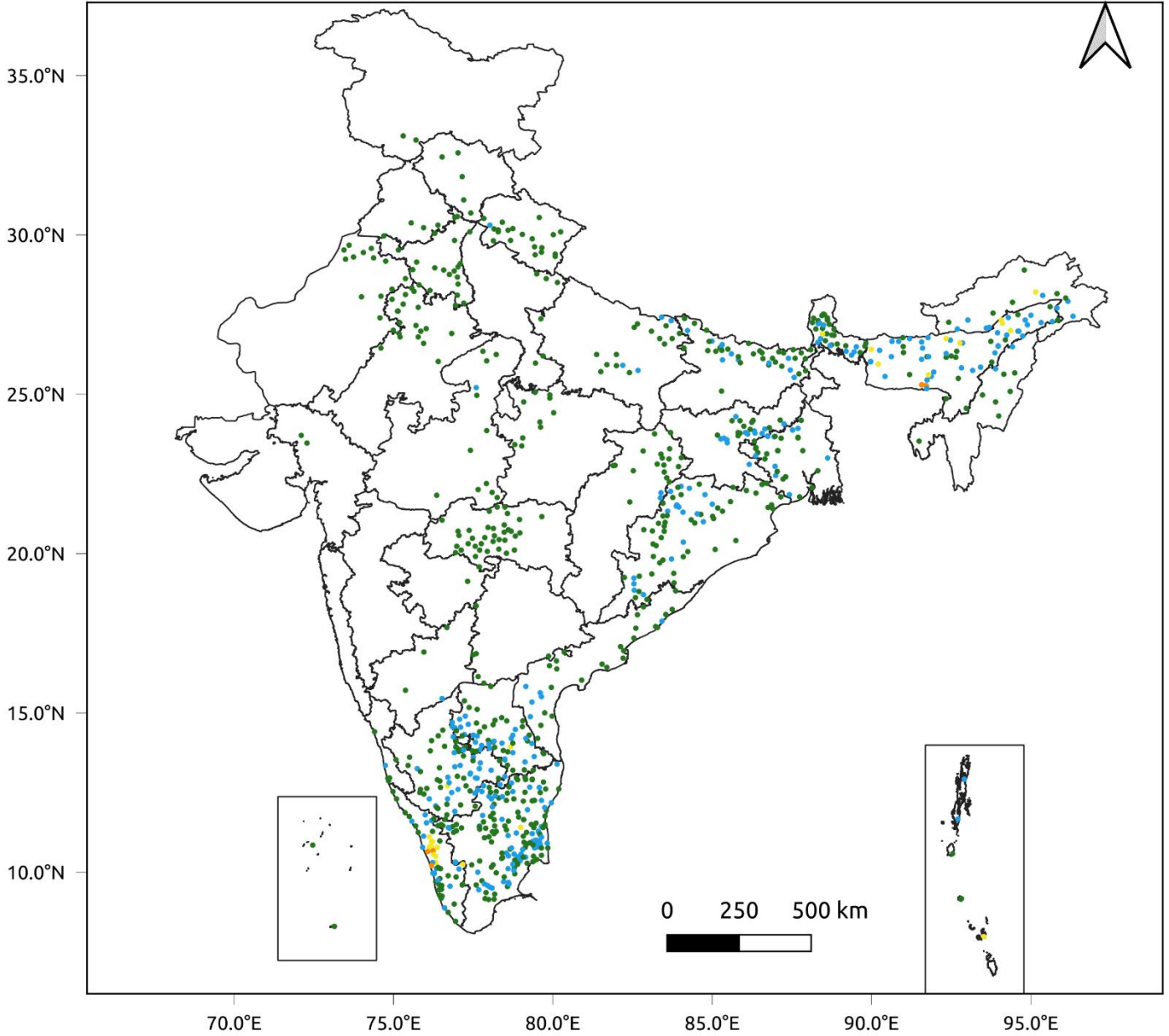


Fig. 5: Accumulated Rainfall (mm) during past 24 hours



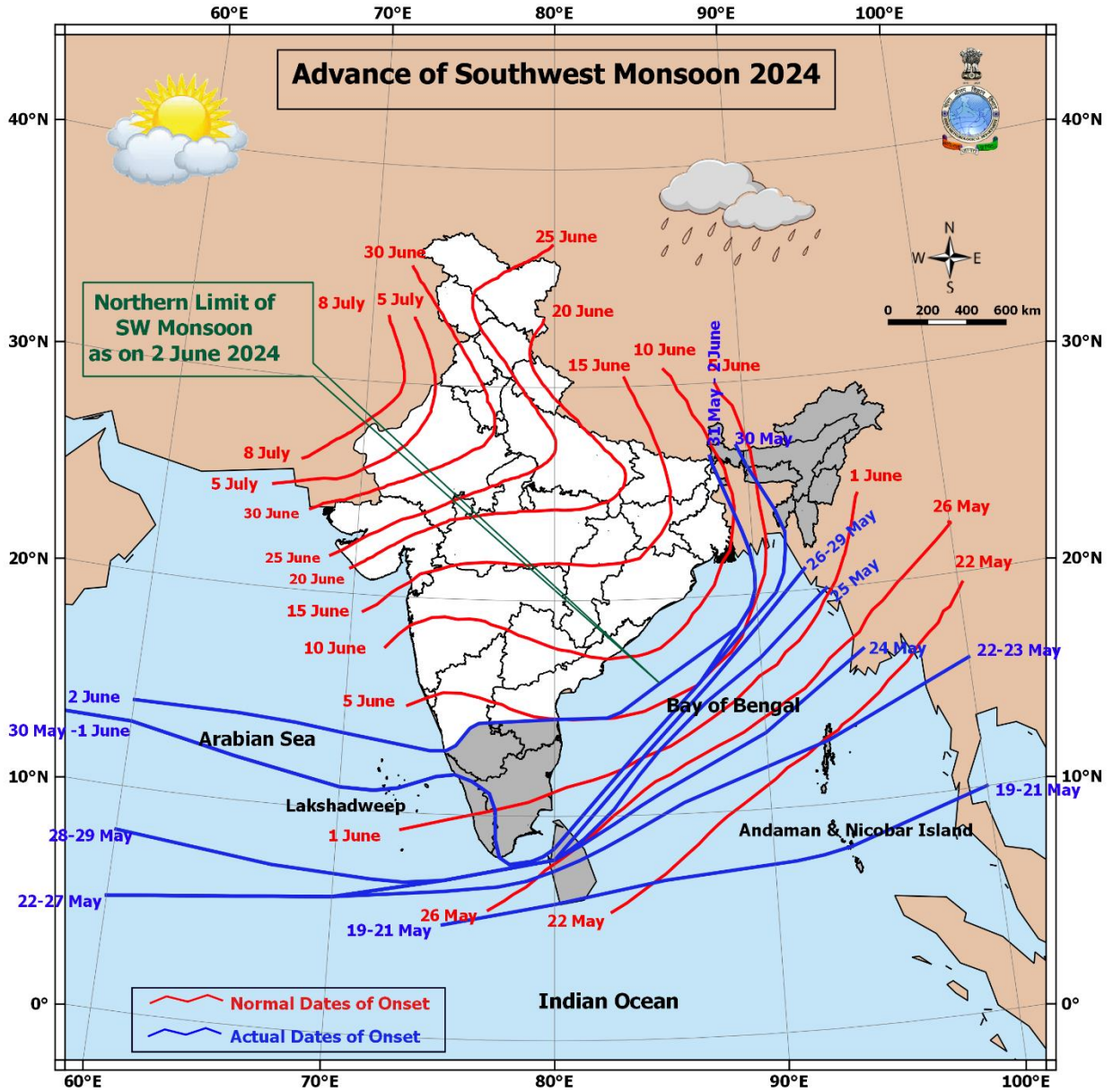
24 Hr cumulative rainfall recorded over different stations during 0830 IST of 1-6-2024 to 0830 IST of 2-6-2024



Legends

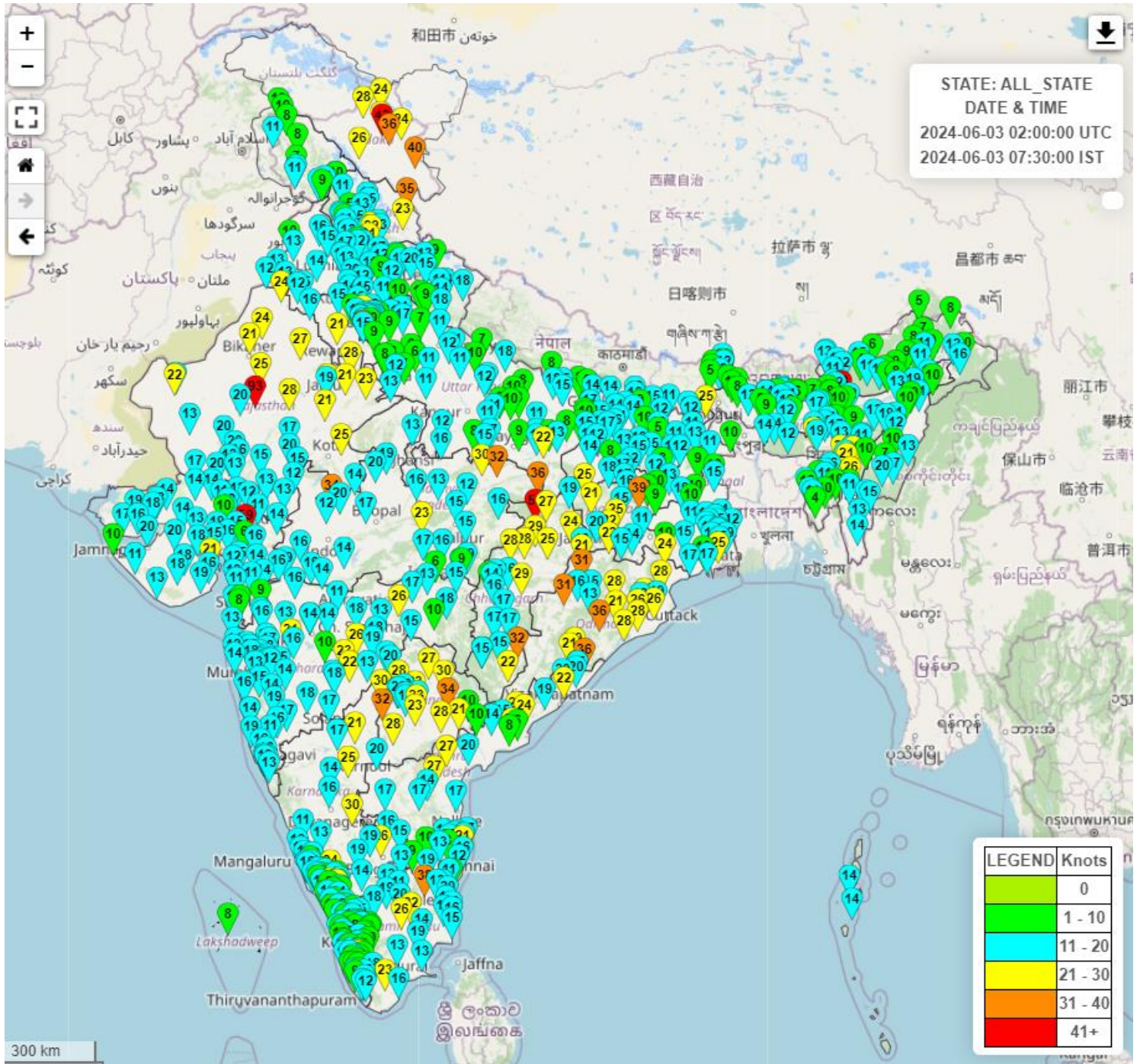
- Very Light to Light Rainfall (0.1 - 15.5 mm)
- Moderate Rainfall (15.6 - 64.4 mm)
- Heavy Rainfall (64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heavy Rainfall (≥ 204.5 mm)

Fig. 6: Advance of Southwest Monsoon 2024



* 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)

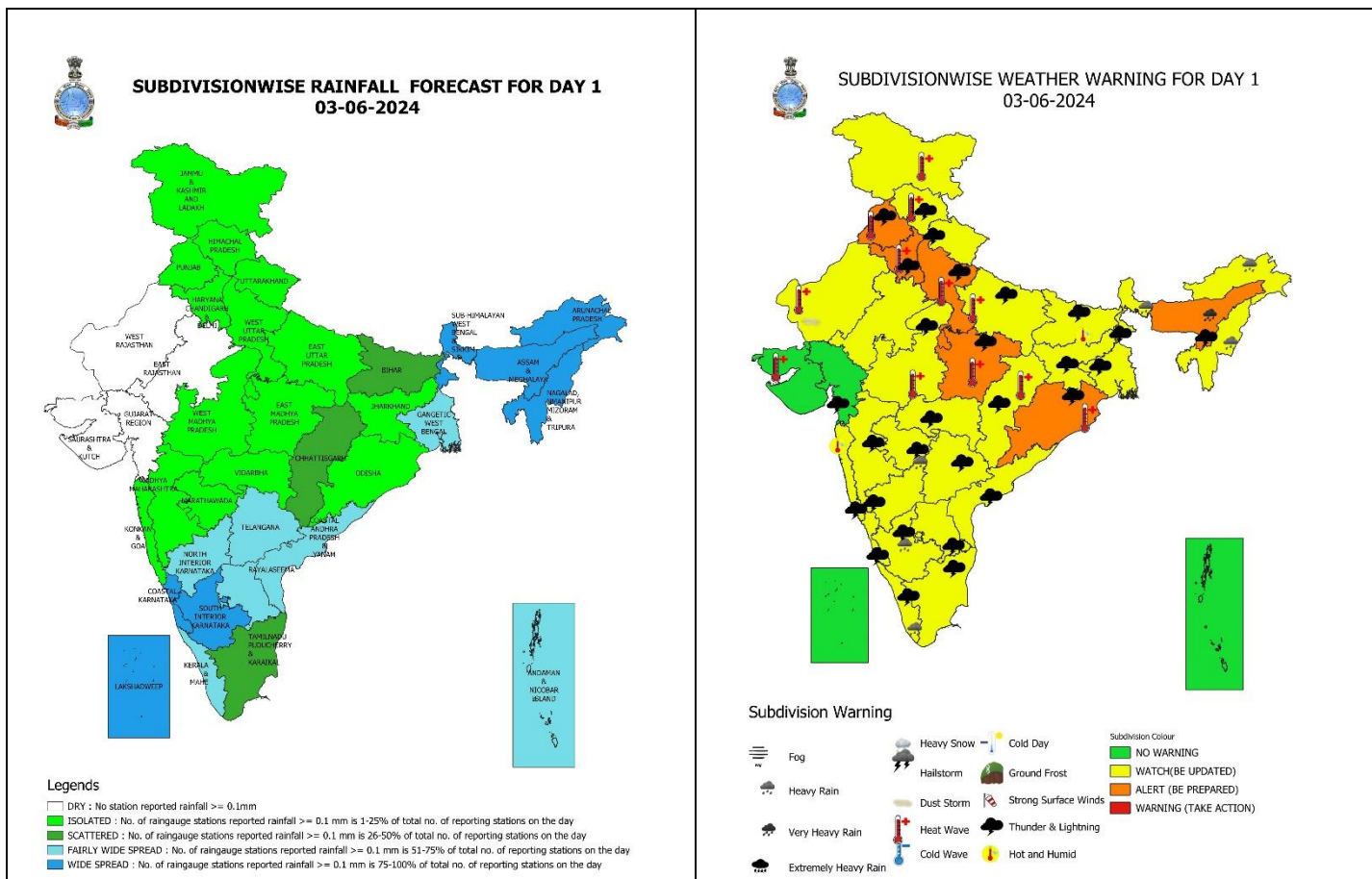
Fig. 7: Gusty winds reported over the country (in knots) from 0830 hours IST 02.06.2024 to 0730 hours IST of 03.06.2024



1 Knot = 1.852 kmph

For more details, kindly refer: <http://aws.imd.gov.in:8091/>

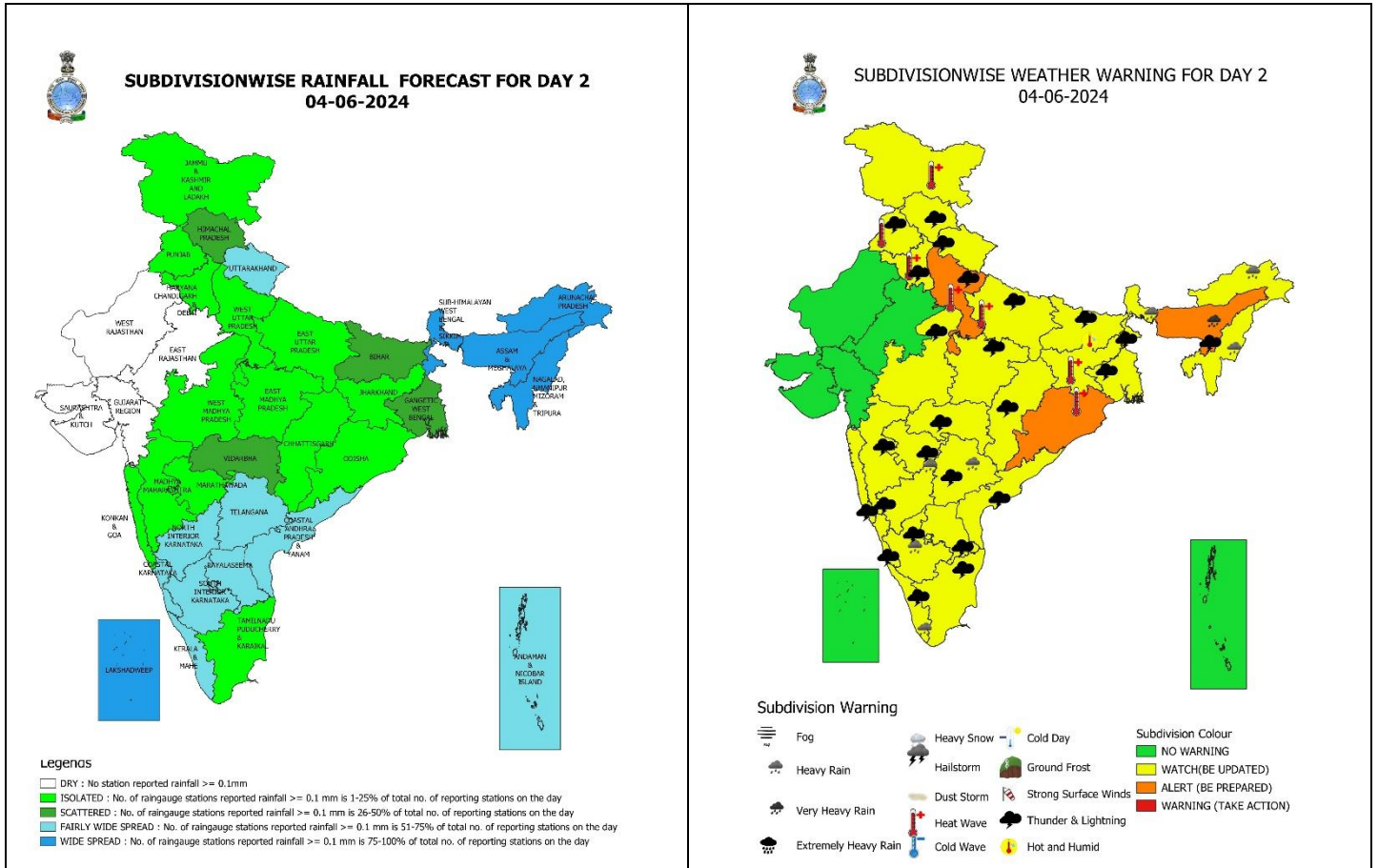
* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.
For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599
(Service to the Nation since 1875)



03 June (Day 1):

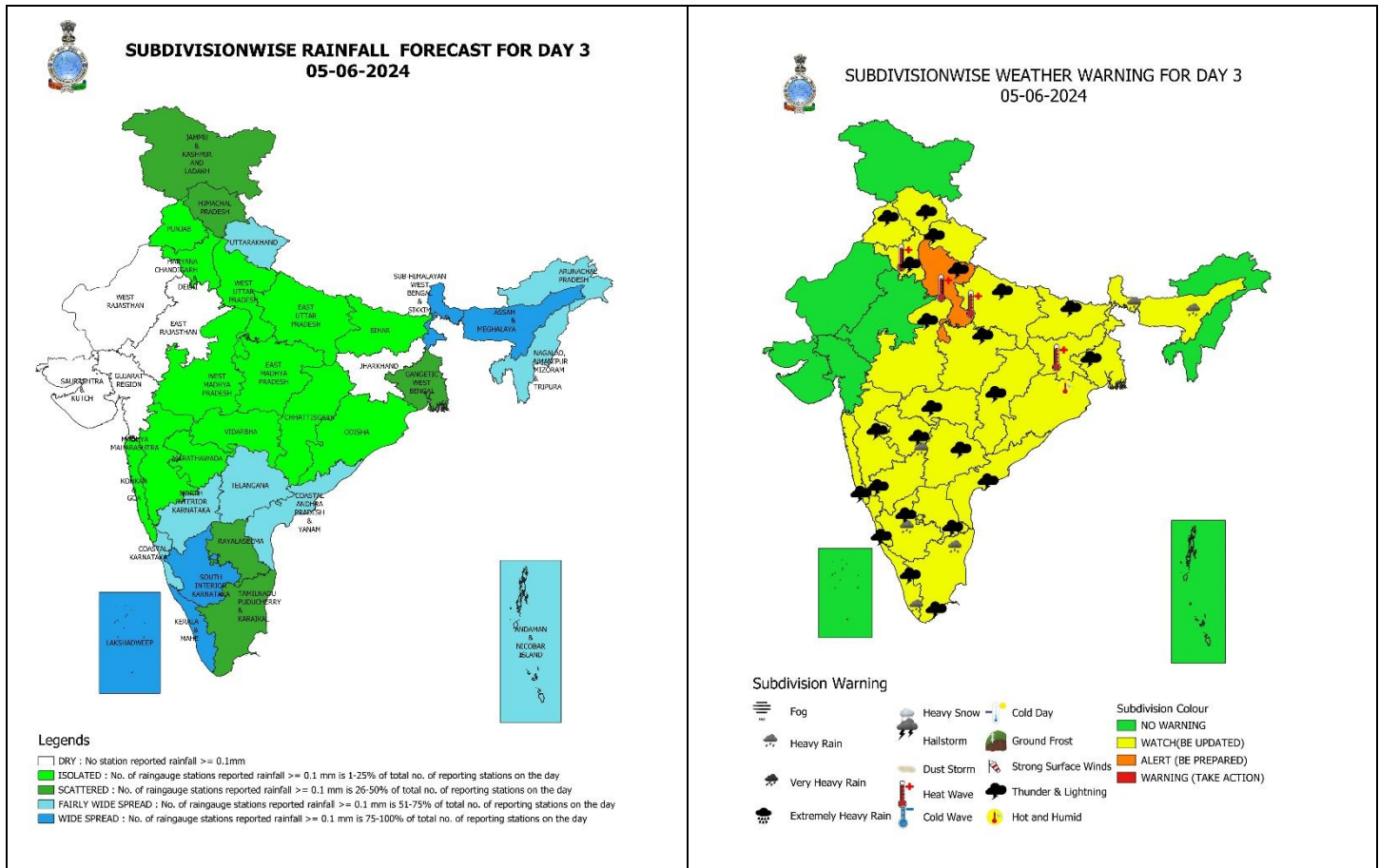
- ❖ **Heavy to very heavy rainfall** very likely at isolated places over Assam & Meghalaya; **heavy rainfall** at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe, Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & squally winds (speed reaching 50-60 kmph)** very likely at isolated places over Madhya Pradesh; **with lightning & gusty winds (speed reaching 40-50 kmph)** at isolated places over Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar and South Interior Karnataka; **with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Odisha, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and North Interior Karnataka; **with lightning** at isolated places over Konkan & Goa, Madhya Maharashtra, Marathwada, Assam & Meghalaya and Coastal Karnataka.
- ❖ **Thunderstorm/Duststorm** accompanied with lightning & gusty winds (speed reaching 30-40 kmph) very likely at isolated places over West Rajasthan.
- ❖ **Heat wave conditions** very likely to prevail in some parts of Punjab, Haryana-Chandigarh-Delhi; in isolated pockets of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh and Odisha.
- ❖ **Hot and humid weather** very likely to prevail over Bihar and Konkan & Goa.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** very likely to prevail over Lakshadweep areas, south and adjoining eastcentral bob, north Andaman Sea. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over gulf of Mannar and adjoining Comorin area, central parts of southwest bob, along and off south Sri Lanka coast. **Squally wind with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast adjoining west central Arabian sea. Fishermen are advised not to venture into these areas.

* 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)



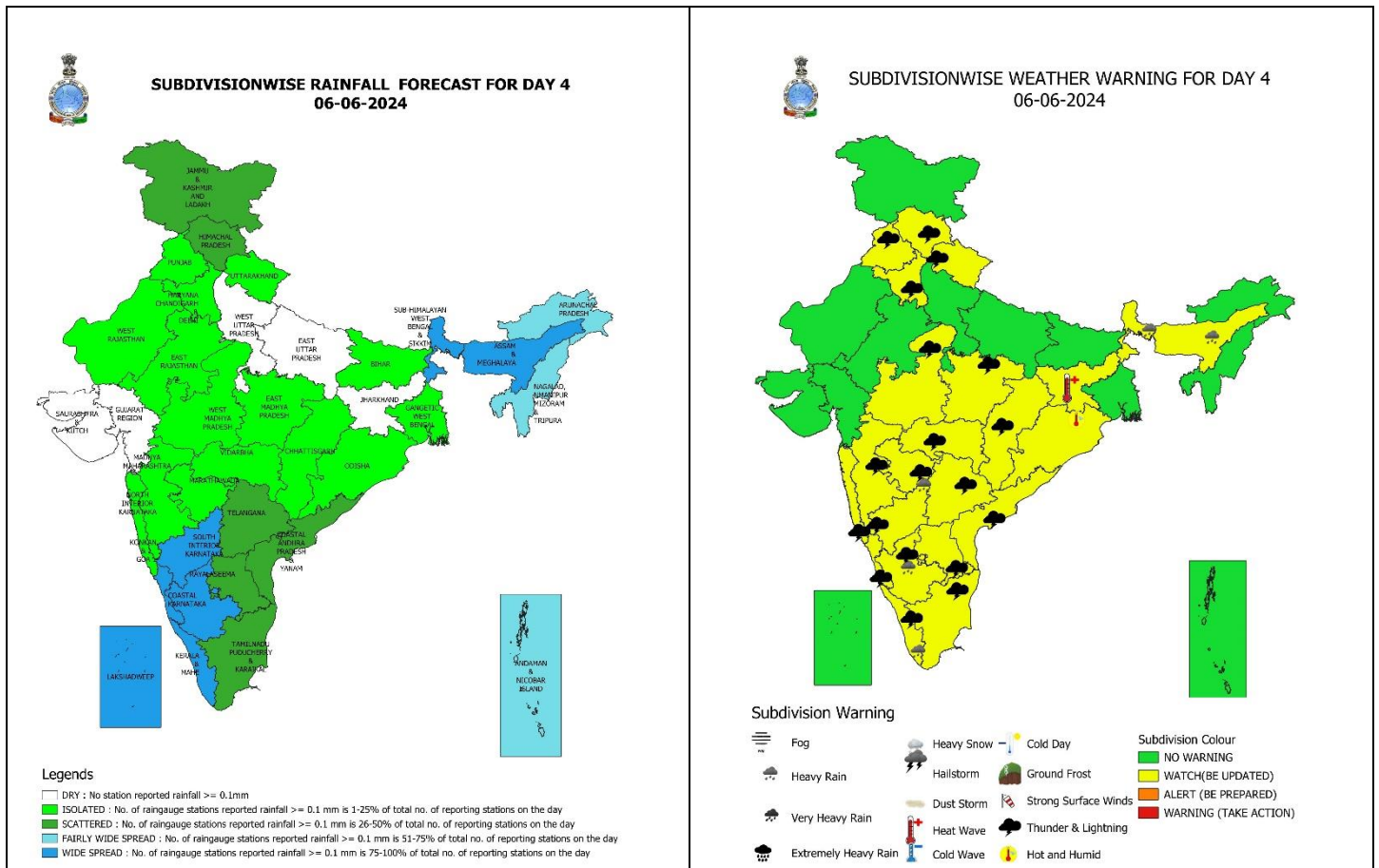
04 June (Day 2):

- ❖ **Heavy to very heavy rainfall** very likely at isolated places over Assam & Meghalaya; **heavy rainfall** at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe, Telangana and Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & squally winds (speed reaching 50-60 kmph)** very likely at isolated places over Uttarakhand; **with lightning & gusty winds (speed reaching 40-50 kmph)** at isolated places over Himachal Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh and Telangana; **with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over West Bengal & Sikkim, Bihar, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Interior Karnataka; **with lightning** at isolated places over Kerala & Mahe, Madhya Maharashtra, Marathwada and Assam & Meghalaya.
- ❖ **Heat wave conditions** very likely to prevail in isolated pockets of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Jharkhand and Odisha.
- ❖ **Hot and humid weather** very likely to prevail over Bihar.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** very likely to prevail over Kerala, Karnataka coast, Lakshadweep areas over gulf of Mannar and adjoining Comorin area, south and adjoining central parts of westcentral bob, and north adman sea. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail, along and off south Sri Lanka coast, adjoining southwest bob. **Squally wind with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast adjoining west central Arabian sea. Fishermen are advised not to venture into these areas.



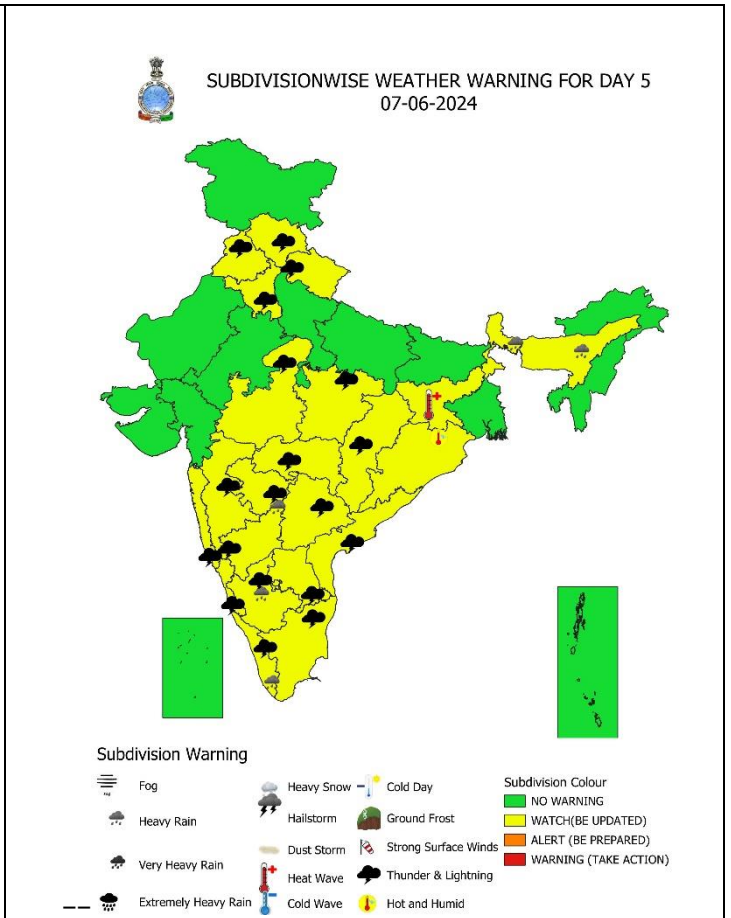
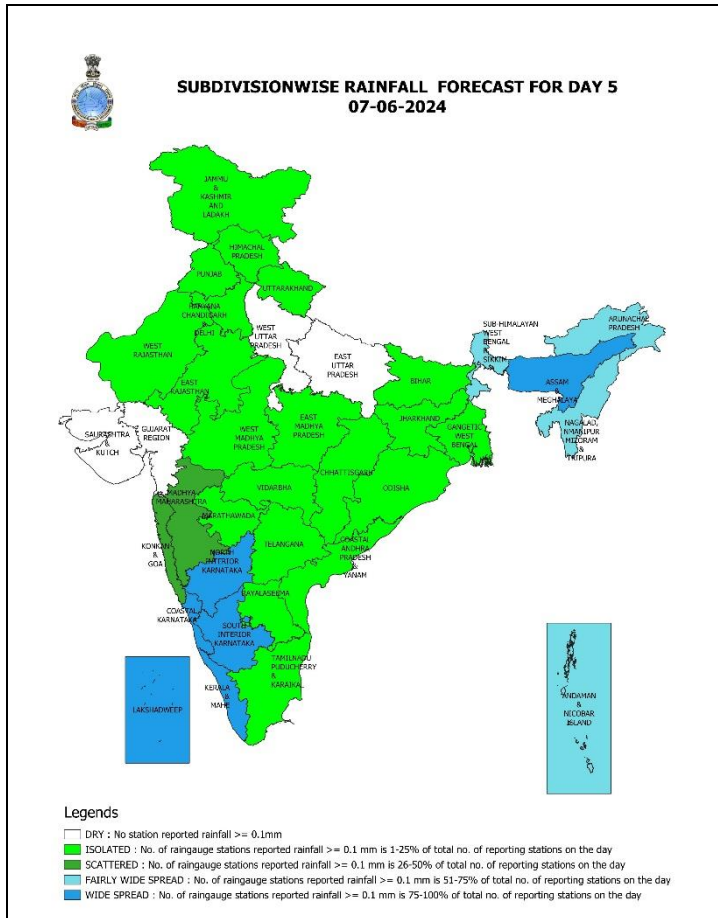
05 June (Day 3):

- ❖ **Heavy rainfall** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & squally winds (speed reaching 50-60 kmph)** very likely at isolated places over Uttarakhand; **with lightning & gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Himachal Pradesh, East Madhya Pradesh and Chhattisgarh; **with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, West Madhya Pradesh, Vidarbha, Bihar, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka and Telangana; **with lightning** at isolated places over Gangetic West Bengal, Konkan & Goa, Madhya Maharashtra, Marathwada and Coastal Karnataka.
- ❖ **Heat wave conditions** very likely to prevail in isolated pockets of Haryana-Chandigarh, Jharkhand and Uttar Pradesh.
- ❖ **Hot and humid weather** very likely to prevail over Odisha.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** very likely to prevail over Kerala, Karnataka coasts, Lakshadweep areas over gulf of Mannar and adjoining Comorin area, south bob and north adman sea. **Squally wind with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast adjoining west central Arabian sea. Fishermen are advised not to venture into these areas.



06 June (Day 4):

- ❖ **Heavy rainfall** likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Kerala & Mahe and Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Himachal Pradesh, East Madhya Pradesh and Chhattisgarh; **with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Uttarakhand, Punjab, Haryana-Chandigarh-Delhi, West Madhya Pradesh, Vidarbha, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka; **with lightning** at isolated places over Coastal Karnataka.
- ❖ **Heat wave conditions** likely to prevail in isolated pockets of Jharkhand.
- ❖ **Hot and humid weather** likely to prevail over Odisha.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over Kerala, Karnataka coasts, Lakshadweep areas over gulf of Mannar and adjoining Comorin area, southwest bob and north adman sea. **Squally wind with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast adjoining west central Arabian sea. Fishermen are advised not to venture into these areas.

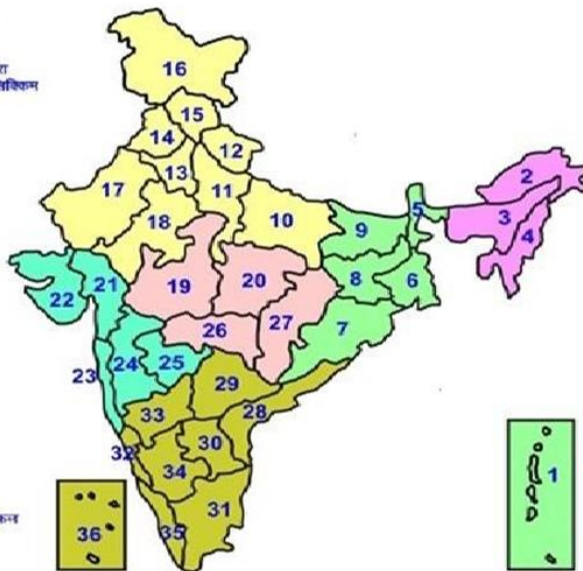


07 June (Day 5):

- ❖ **Heavy rainfall** likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Kerala & Mahe and Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Himachal Pradesh, East Madhya Pradesh and Chhattisgarh; **with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Uttarakhand, Punjab, Haryana-Chandigarh-Delhi, West Madhya Pradesh, Vidarbha, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Interior Karnataka; **with lightning** at isolated places over Coastal Karnataka.
- ❖ **Heat wave conditions** likely to prevail in isolated pockets of Jharkhand.
- ❖ **Hot and humid weather** likely to prevail over Odisha.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over Kerala, Karnataka coasts, Lakshadweep areas over gulf of Mannar and adjoining Comorin area, southwest bob and north adman sea. **Squally wind with wind speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast adjoining west central Arabian sea. Fishermen are advised not to venture into these areas.

LEGENDS

- 1 अंडमन और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5 उप-हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखण्ड
- 13 हरियाणा, चंडीगढ़ 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
- 22 सौराष्ट्र
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठवाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 आंध्र प्रदेश एवं यानम
- 29 तेलंगाना
- 30 तमिलनाडु, पुदुचेरी एवं कराईकल
- 31 उत्तर कर्नाटक
- 32 दक्षिण कर्नाटक
- 33 उत्तर कर्नाटक
- 34 दक्षिण 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. Odisha
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. Marathwada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnada, 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)

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

* 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)

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



Rain/ Snow *

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



Heat Wave

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 $\geq 37^{\circ}\text{C}$



Warm Night

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 $> 6.4^{\circ}\text{C}$.



Cold Wave

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 $\leq 15^{\circ}\text{C}$



Cold Day

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 $\leq -6.5^{\circ}\text{C}$



Fog

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



Thunderstorm

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



Dust/Sand Storm

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



Frost

Ice deposits on ground

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



Squall

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



Sea State

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



Cyclone

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)