



Saturday, June 03, 2023  
Time of Issue: 0800 hours IST  
(MORNING)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Advance of southwest monsoon:

- ❖ Yesterday, Southwest Monsoon had advanced into some more parts of South Arabian Sea and Maldives area, some parts of Lakshadweep area, entire Comorin area, some more parts of South Bay of Bengal and Eastcentral Bay of Bengal.
- ❖ The Northern Limit of Southwest Monsoon passes through 10°N/65°E, 9°N/70°E, Minicoy, 7°N/81°E, 11°N/87°E, 14°N/90°E, 17°N/93°E & 19°N/95°E.

#### Significant Meteorological features:

- ❖ The Western Disturbance seen as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 74°E and to the north of Lat. 30°N.
- ❖ A cyclonic circulation likely to develop over southeast Arabian Sea around 05<sup>th</sup> June. Under its influence a Low Pressure Area is likely to form over the same region during subsequent 48 hours.

#### Forecast and warning over the country during next 5 days:

- Light/moderate fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Kerala, Lakshadweep, Coastal & South Interior Karnataka and isolated to scattered rainfall over Tamil Nadu and Andhra Pradesh during next 5 days.
- **Heavy rainfall** very likely at isolated places over Kerala during 03<sup>rd</sup>-05<sup>th</sup> June.
- **No significant weather is likely over rest parts of the country during next 5 days.**

#### Maximum Temperatures and Heat Wave warning:

- ❖ Yesterday, Maximum Temperatures were in the range of 40-43°C over many parts of East India & adjoining East Madhya Pradesh; Vidarbha, Marathawada, Telangana and Andhra Pradesh and below 40°C over rest parts of the country. Maximum Temperatures were above normal by 4-6°C over some/many parts of east Bihar, West Bengal & Sikkim and Northeast India; by 2-4°C over most parts of Peninsular India and near normal or below normal over rest parts of the country. Yesterday, **heat wave conditions** prevailed in some parts of east Bihar and in isolated pockets over Sub-Himalayan West Bengal.
- Rise in maximum temperatures by 3-5°C very likely over Northwest India during next 5 days and by 2-3°C over Central India during next 2 days.
- **Heat wave conditions** very likely to continue in isolated pockets over Bihar and West Bengal & Sikkim during 03<sup>rd</sup> -06<sup>th</sup> June and likely to prevail over Madhya Maharashtra on 03<sup>rd</sup>; Vidarbha during 03<sup>rd</sup> -04<sup>th</sup> June.
- Due to humid air & high temperature, **Hot and Discomfort weather** is very likely over Chhattisgarh, Andhra Pradesh till-04<sup>th</sup> June.

\* Red color warning does not mean "Red Alert" Red color 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/thundershowers observed** (from 0830 hours IST to 1730 hours IST of yesterday): **at a few places** over Andaman & Nicobar Islands and **at isolated places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Tripura, Gangetic West Bengal, Odisha, East Madhya Pradesh and Tamil Nadu.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST to 1730 hours IST of yesterday): **Tripura:** Kailashahar-1; **East Madhya Pradesh:** Sagar-1.
- ❖ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Odisha, Gangetic West Bengal, Tripura, Rajasthan, East Madhya Pradesh, Saurashtra & Kutch, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- ❖ **Hailstorm observed** (from 0830 hours IST of to 1730 hours IST of yesterday): at isolated places over Uttarakhand.
- ❖ Yesterday, **heat wave conditions** prevailed in some parts of east Bihar and in isolated pockets over Sub-Himalayan West Bengal.
- ❖ **Minimum Temperature Departures (as on 02-06-2023):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Gangetic West Bengal; **above normal (1.6°C to 3.0°C)** at many places over Odisha; at a few places over Nagaland, Manipur, Mizoram & Tripura, Bihar, Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra, Kerala & Mahe; at isolated places over Vidarbha, Telangana, Tamil Nadu, Puducherry & Karaikal, Interior Karnataka and Saurashtra & Kutch. They were **markedly below normal (-5.1°C or less)** at a few places over Haryana, Chandigarh & Delhi and West Rajasthan; at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; **appreciably below normal (-3.1°C to -5.0°C)** at many places over Punjab, East Rajasthan, Himachal Pradesh, Uttarakhand; at a few places over Madhya Pradesh; at isolated places over West Uttar Pradesh; **below normal (-1.6°C to -3.0°C)** at a few places over East Uttar Pradesh and **near normal** over rest parts of the country. Yesterday, **the lowest minimum temperature of 17.6°C** was reported at **Delhi-Ridge (Delhi)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 02-06-2023):** Maximum temperatures were **markedly above normal (5.1°C or more)** at many places over Sub-Himalayan West Bengal & Sikkim; at a few places over Bihar and Assam & Meghalaya; **appreciably above normal (3.1°C to 5.0°C)** at most places over Gangetic West Bengal; at a few places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Coastal Karnataka; at isolated places over Odisha, North Interior Karnataka and Coastal Andhra Pradesh & Yanam; **above normal (1.6°C to 3.0°C)** at most places over Jharkhand; at many places over Marathwada and Rayalaseema; at a few places over Madhya Maharashtra, Telangana, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal; at isolated places over Konkan & Goa and Vidarbha. They were **markedly below normal (-5.1°C or less)** at most places Punjab and Haryana, Chandigarh & Delhi; at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and West Rajasthan; at isolated places over Himachal Pradesh and East Rajasthan; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Uttarakhand; at isolated places over West Uttar Pradesh; **below normal (-1.6°C to -3.0°C)** at a few places over Madhya Pradesh; at isolated places over East Uttar Pradesh and Gujarat State and **near normal** over rest parts of the country. Yesterday, **the highest maximum temperature of 44.4°C** was reported at **Sambalpur (Odisha)**.

## Meteorological Analysis (Based on 0530 hours IST)

- ❖ The Northern Limit of Southwest Monsoon passes through 10°N/65°E, 9°N/70°E, Minicoy, 7°N/81°E, 11°N/87°E, 14°N/90°E, 17°N/93°E & 19°N/95°E.
- ❖ The Western Disturbance now seen as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 74°E and to the north of Lat. 30°N. .
- ❖ The cyclonic circulation over Southwest Rajasthan & neighbourhood extending upto 1.5 km above mean sea level persists.
- ❖ The cyclonic circulation over south Odisha & neighbourhood persists and extends upto at 1.5 km above mean sea level.
- ❖ The cyclonic circulation over eastcentral Bay of Bengal off Myanmar coast between 3.1 & 5.8 km above mean sea level persists.
- ❖ A cyclonic circulation likely to develop over Southeast Arabian Sea around 5th June. Under its influence a Low Pressure Area is likely to form over the same region during subsequent 48 hours.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from 06<sup>th</sup> June.
- ❖ The induced cyclonic circulation over Punjab & neighbourhood extending upto 1.5 km above mean sea level has become less marked

## Weather Forecast for next 5 days (Upto 0830 hours IST of 08<sup>th</sup> June, 2023)

- ❖ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.
- ❖ Maximum Temperatures Forecast:
  - **Northwest India:** Rise in maximum temperature by 3-5°C very likely during next 5 days.
  - **Central India:** Rise in maximum temperature by 2-3°C very likely during next 2 days and no significant change thereafter.
  - No significant change in maximum temperature very likely over rest parts of the country during next 5 days.

## Weather Outlook for subsequent 2 days (During 08<sup>th</sup> -10<sup>th</sup> June, 2023)

- ❖ Scattered to Fairly widespread light/moderate rainfall with thunderstorm likely to continue over Northeast Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal, Coastal & South Interior Karnataka and Islands.
- ❖ Isolated to Scattered rainfall over northeast India and Isolated rainfall activity Western Himalayan Region & adjoining plains.
- ❖ Dry weather over rest parts of the country.

## Weather Warning during next 5 days

**03 June (Day 1): ♦ Heavy rainfall** very likely at isolated places over Kerala and Andaman & Nicobar Islands.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, West Uttar Pradesh, Rajasthan, Andaman & Nicobar Islands, Kerala & Mahe and Lakshadweep; **with lightning** at isolated places over Himachal Pradesh, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar, West Bengal & Sikkim, Madhya Maharashtra and Vidarbha.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Kerala-Karnataka coasts & adjoining Eastcentral Arabian Sea, southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.

**04 June (Day 2): ♦ Heavy rainfall** very likely at isolated places over Kerala and Andaman & Nicobar Islands.

♦ **Hailstorm with lightning** very likely at isolated places over Madhya Maharashtra.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, West Uttar Pradesh, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Kerala & Mahe and Lakshadweep; **with lightning** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Heat Wave conditions** very likely in isolated pockets over Bihar, West Bengal & Sikkim and Vidarbha.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.

**05 June (Day 3): ♦ Heavy rainfall** very likely at isolated places over Kerala and Andaman & Nicobar Islands.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Chhattisgarh, Odisha, Andaman & Nicobar Islands and Kerala & Mahe; **with lightning** at isolated places over Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar and West Bengal & Sikkim.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely over southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, north Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.

**06 June (Day 4): ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Chhattisgarh, Andaman & Nicobar Islands, Kerala & Mahe; **with lightning** at isolated places over Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar and West Bengal & Sikkim.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely over southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, north Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.

**07 June (Day 5): ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Punjab, South Interior Karnataka and Andaman & Nicobar Islands, Kerala & Mahe; **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamilnadu, Puducherry & Karaikal and Coastal Karnataka.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar and West Bengal & Sikkim.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely over southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, north Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.



Table-1

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

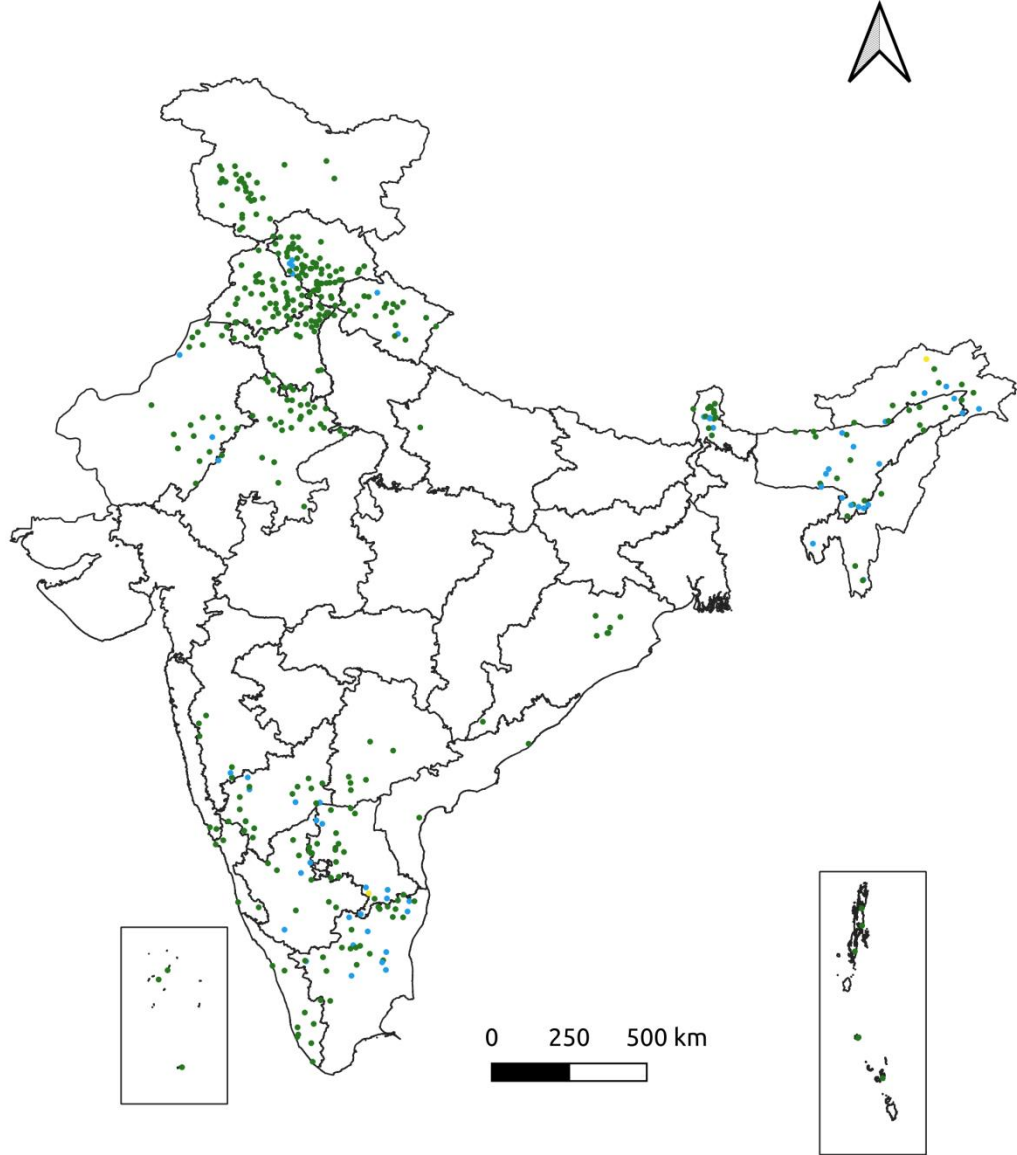
Legend	Category	% Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

\* Red color warning does not mean "Red Alert" Red color 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: Accumulated Rainfall (mm) during past 24 hours



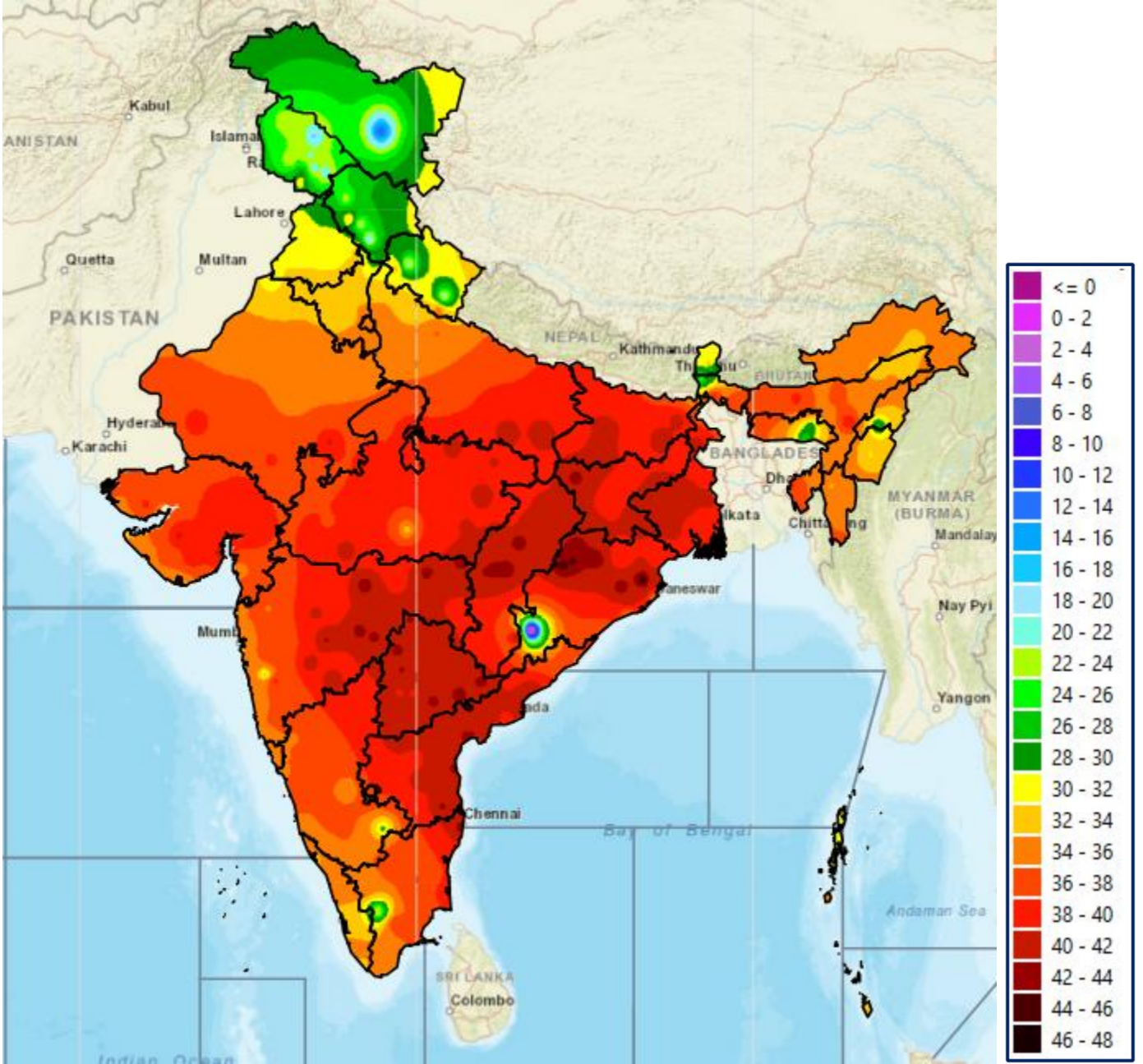
24 Hr cumulative rainfall recorded over different stations  
during 0830 IST of 1-6-2023 to 0830 IST of 2-6-2023



## Legends

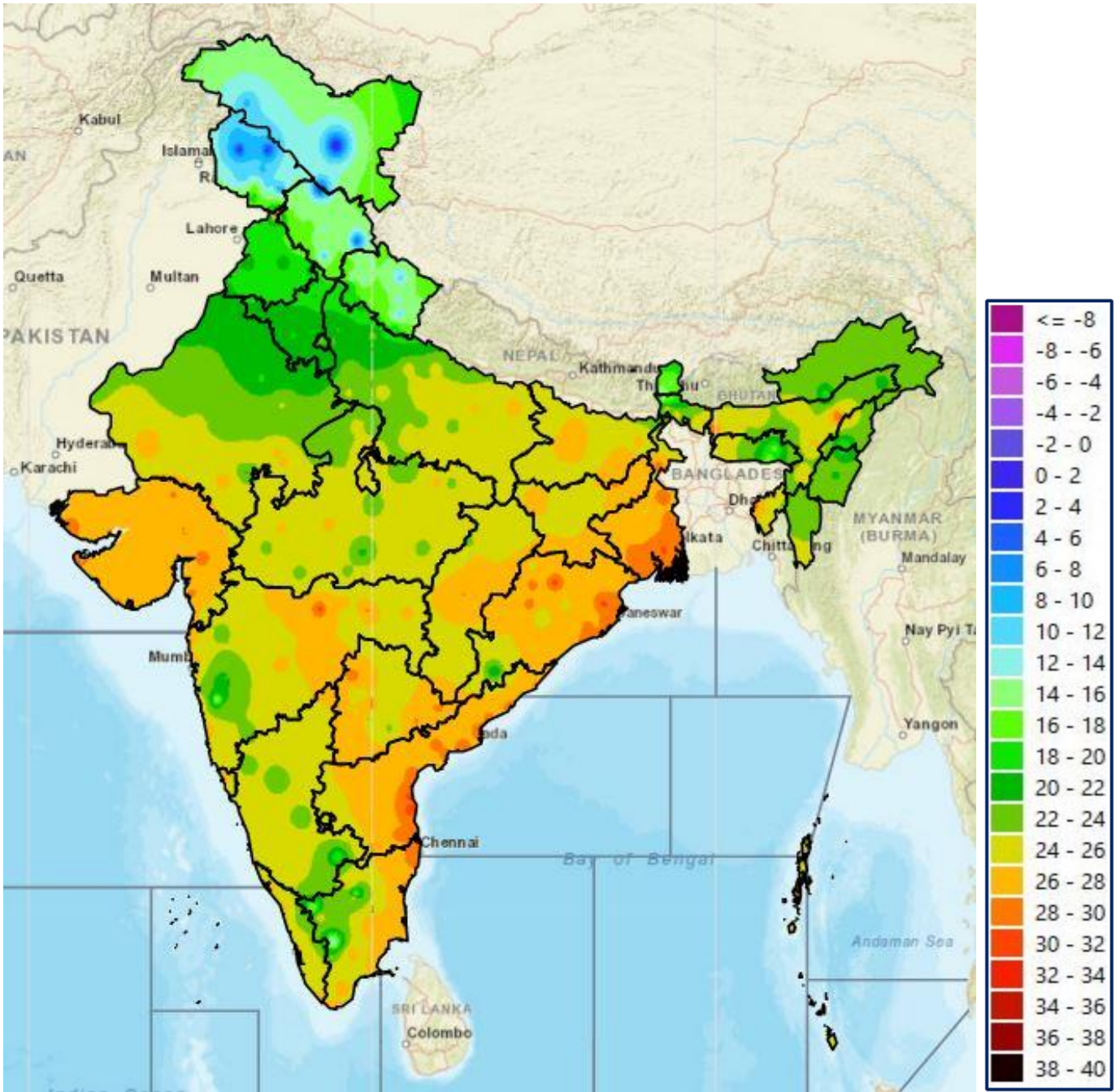
- Very Light to Light Rainfall (0.1 - 15.5 mm)
- Moderate Rainfall (15.6 - 64.4 mm)
- Heavy Rainfall (64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heavy Rainfall ( $\geq 204.5$  mm)

Fig. 2: Maximum Temperatures Dated 02.06.2023



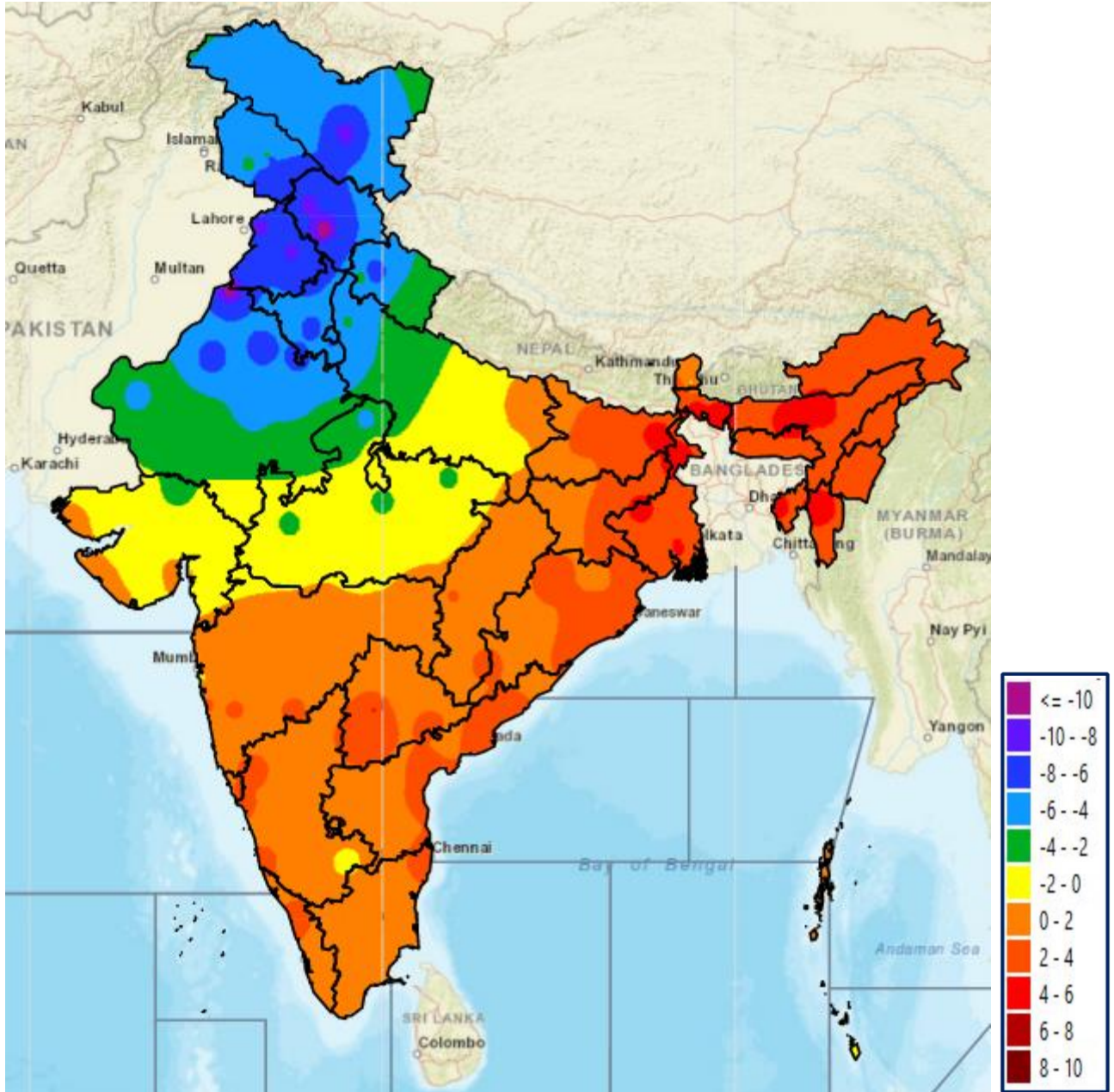
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".  
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day  
For more details kindly visit <https://mausam.imd.gov.in> or contact : 011-2434-4599  
(Service to the Nation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

Fig. 3: Minimum Temperatures Dated 02.06.2023



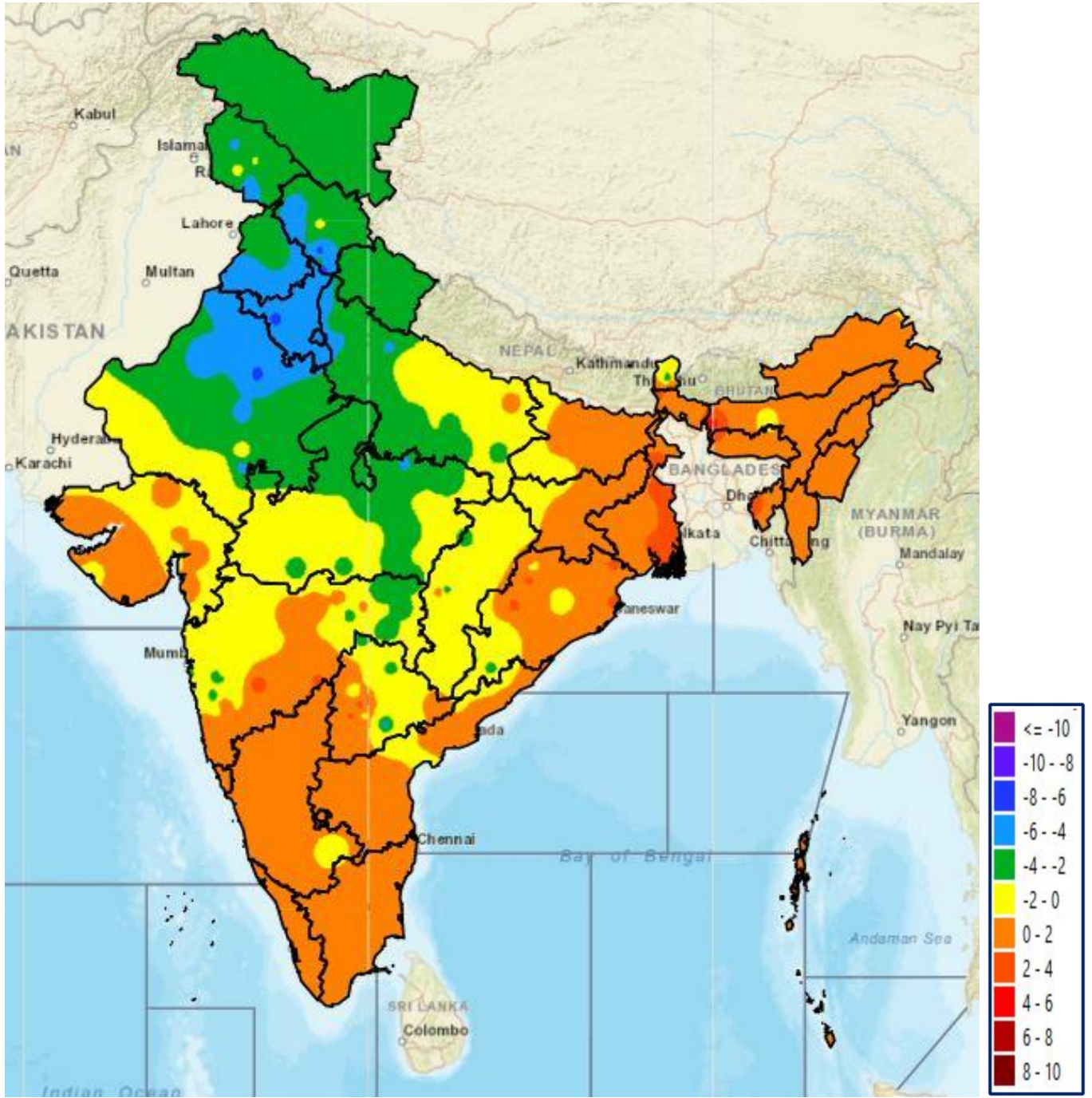
**\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".**  
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day  
For more details kindly visit <https://mausam.imd.gov.in> or contact : 011-2434-4599  
(Service to the Nation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

Fig. 4: Departure from Normal of Maximum Temperatures Dated 02.06.2023



**\* Red color warning does not mean "Red Alert" Red color 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)

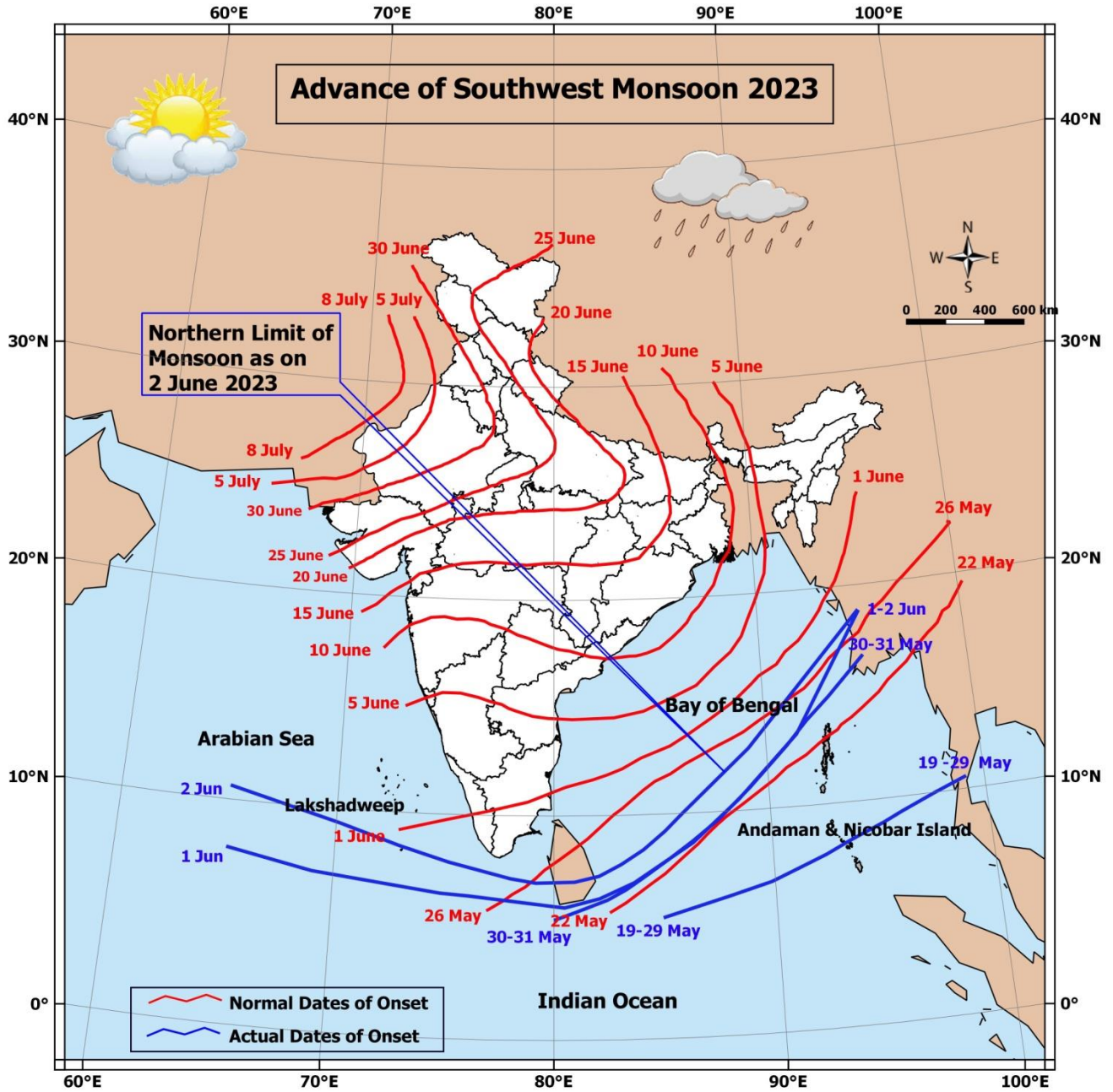
Fig. 5: Departure from Normal of Minimum Temperatures Dated 02.06.2023

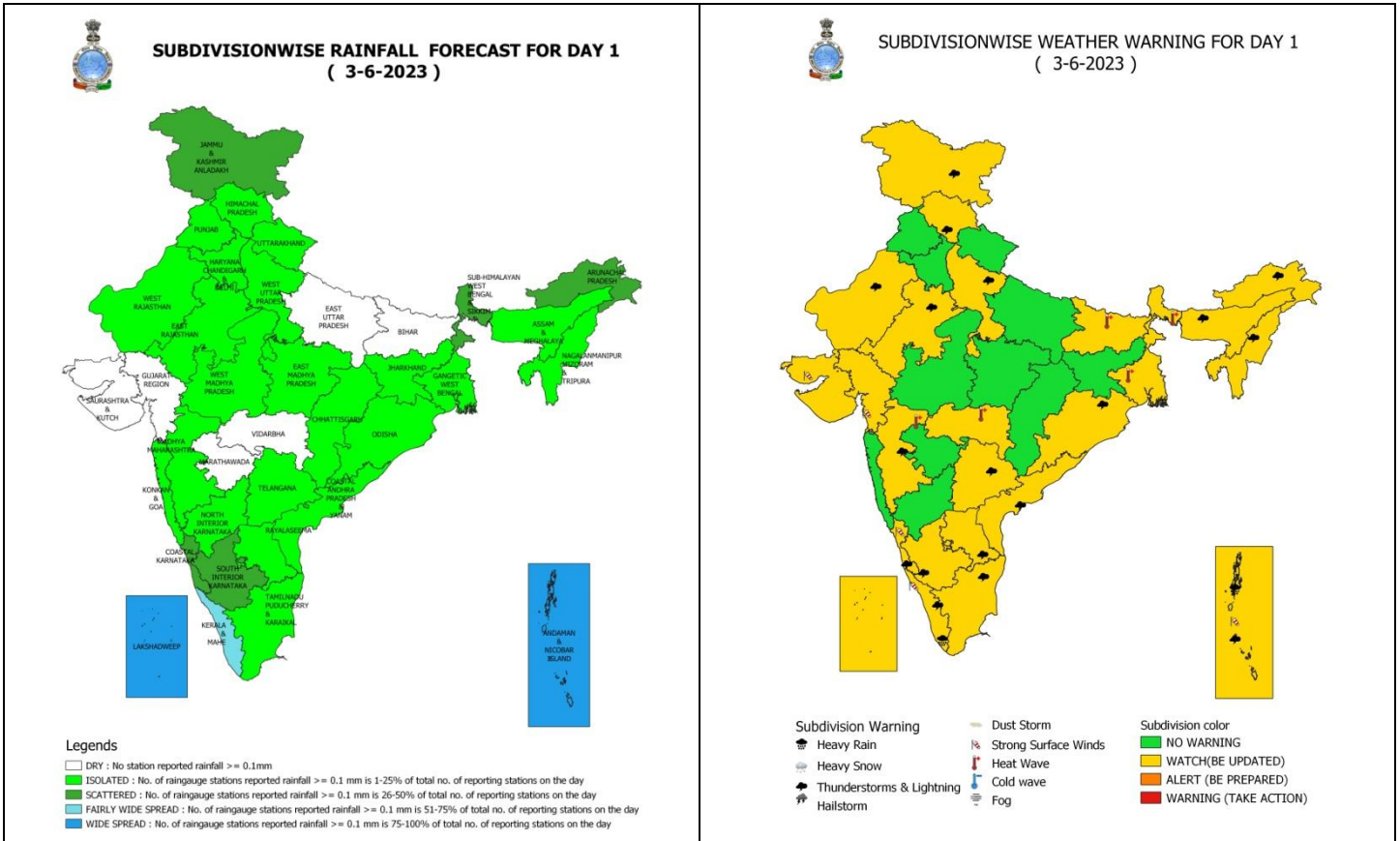


\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".  
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day  
For more details kindly visit <https://mausam.imd.gov.in> or contact : 011-2434-4599  
(Service to the Nation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



Fig. 6: Advance of Southwest Monsoon



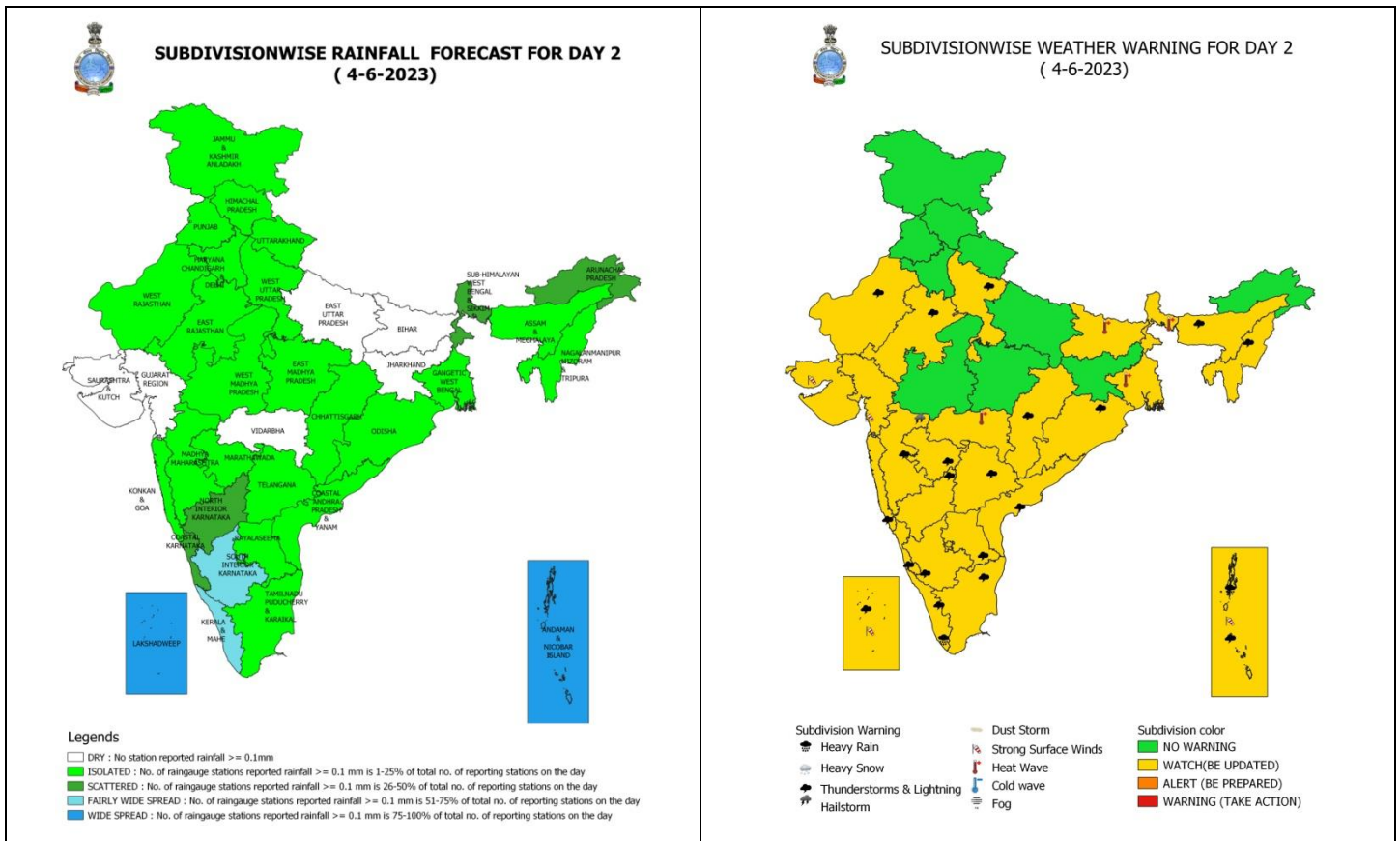


**03 June (Day 1):** ♦ **Heavy rainfall** very likely at isolated places over Kerala and Andaman & Nicobar Islands.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, West Uttar Pradesh, Rajasthan, Andaman & Nicobar Islands, Kerala & Mahe and Lakshadweep; **with lightning** at isolated places over Himachal Pradesh, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar, West Bengal & Sikkim, Madhya Maharashtra and Vidarbha.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Kerala-Karnataka coasts & adjoining Eastcentral Arabian Sea, southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.



**04 June (Day 2):** ♦ **Heavy rainfall** very likely at isolated places over Kerala and Andaman & Nicobar Islands.

♦ **Hailstorm with lightning** very likely at isolated places over Madhya Maharashtra.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, West Uttar Pradesh, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Kerala & Mahe and Lakshadweep; **with lightning** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Heat Wave conditions** very likely in isolated pockets over Bihar, West Bengal & Sikkim and Vidarbha.

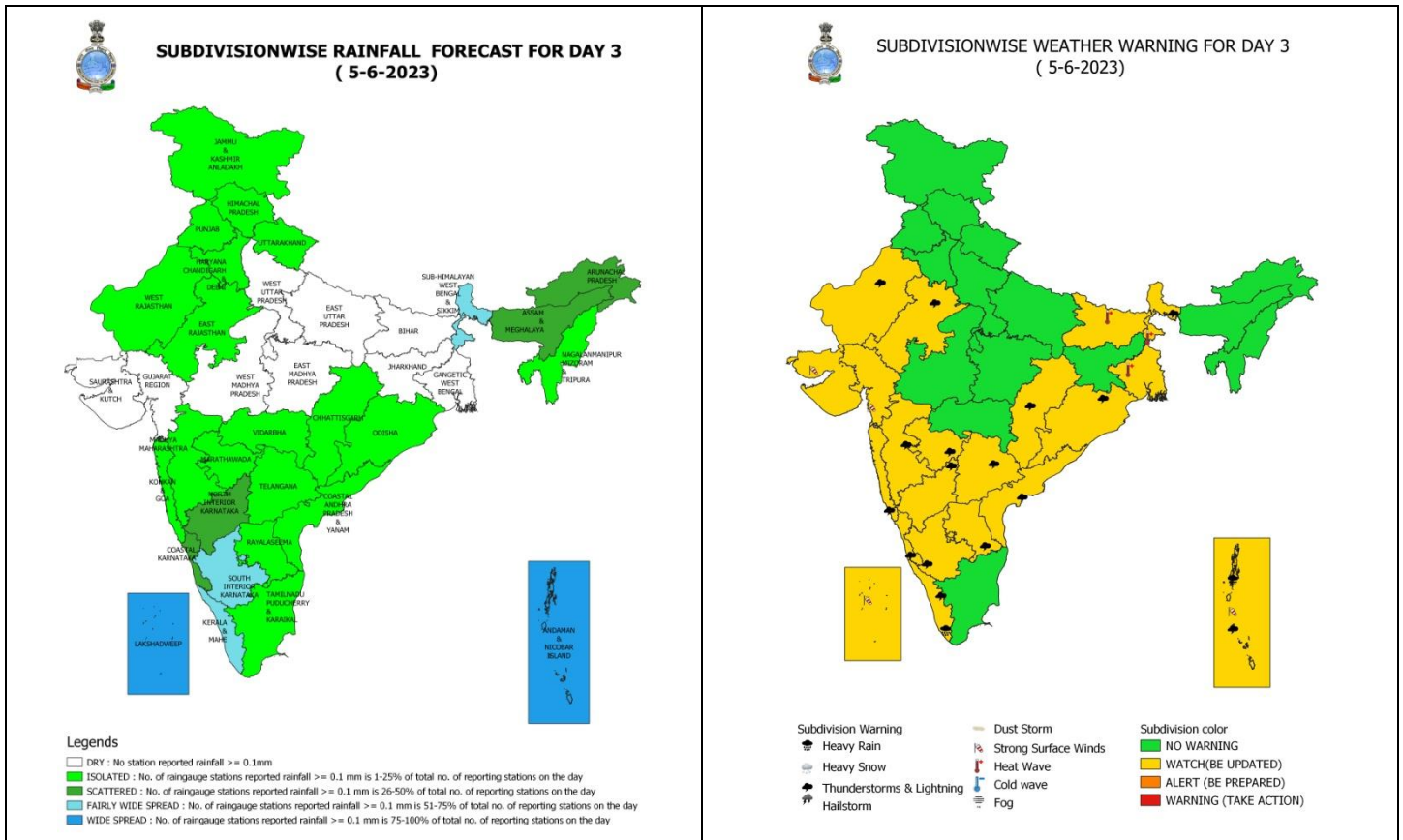
♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.

**\* Red color warning does not mean "Red Alert" Red color 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)**



**05 June (Day 3):** ♦ **Heavy rainfall** very likely at isolated places over Kerala and Andaman & Nicobar Islands.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Chhattisgarh, Odisha, Andaman & Nicobar Islands and Kerala & Mahe; **with lightning** at isolated places over Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar and West Bengal & Sikkim.

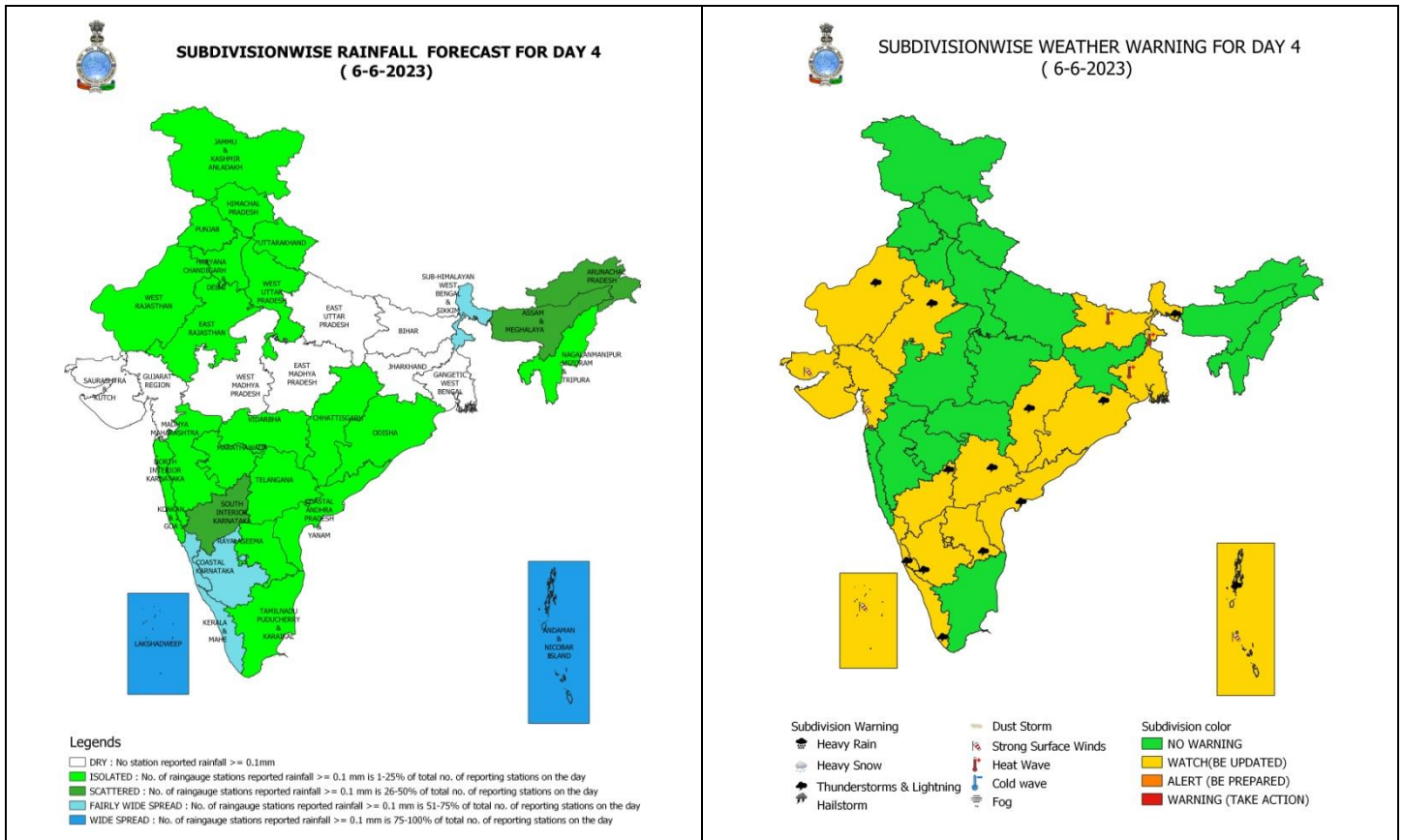
♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely over southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, north Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.

**\* Red color warning does not mean "Red Alert" Red color 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)**



**06 June (Day 4): ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Chhattisgarh, Andaman & Nicobar Islands, Kerala & Mahe; **with lightning** at isolated places over Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar and West Bengal & Sikkim.

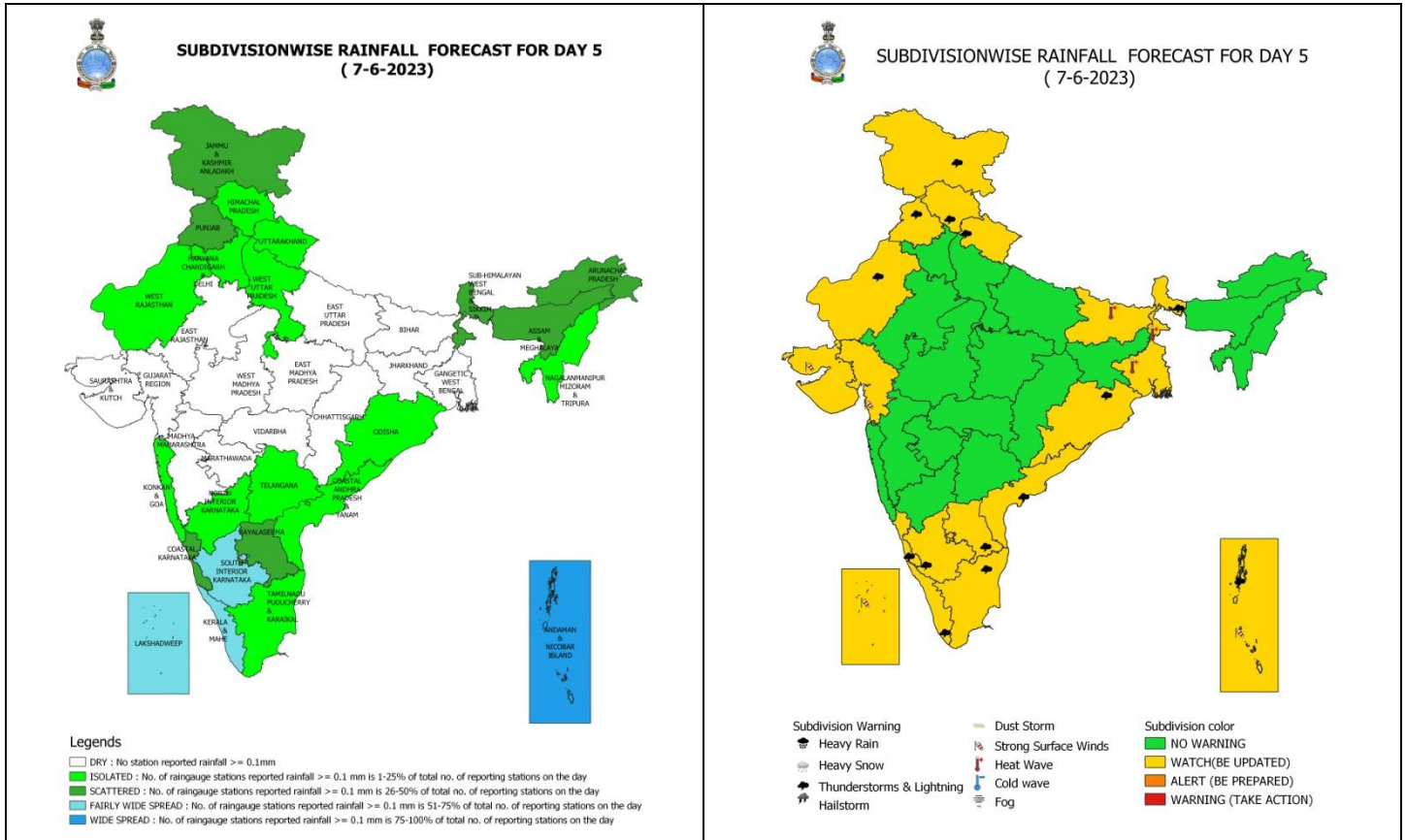
♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely over southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, north Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.

**\* Red color warning does not mean "Red Alert" Red color 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)**



**07 June (Day 5):** ♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Punjab, South Interior Karnataka and Andaman & Nicobar Islands, Kerala & Mahe; **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamilnadu, Puducherry & Karaikal and Coastal Karnataka.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar and West Bengal & Sikkim.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely over southeast & adjoining southwest Arabian Sea, Lakshadweep-Maldives areas, north Andaman Sea and south Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area. Fishermen are advised not to venture into these areas.

**\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".**

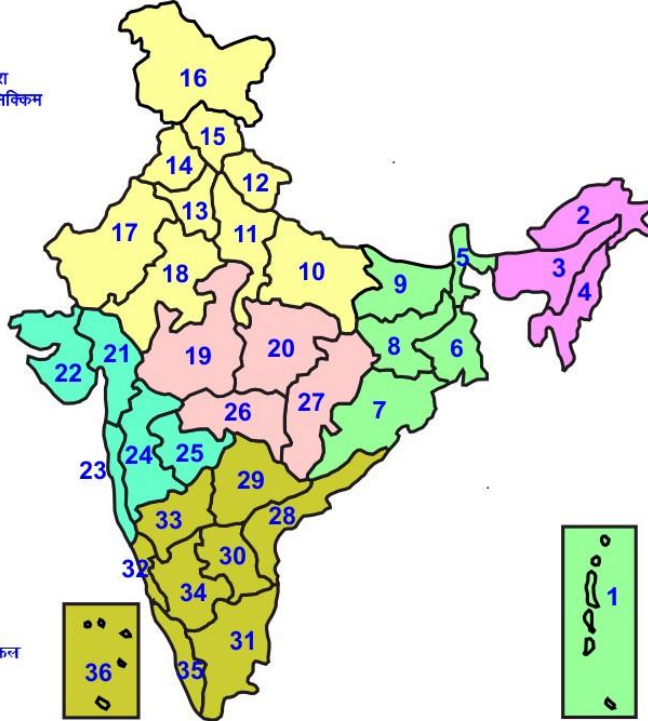
**Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day**

**For more details kindly visit <https://mausam.imd.gov.in> or contact : 011-2434-4599**

**(Service to the Nation since 1875)**

## LEGENDS

- 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 गंगोय 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. Marathwada
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)

## WARNING

<b>WARNING (TAKE ACTION)</b>
<b>ALERT ( BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING ( NO ACTION)</b>

## Probabilistic Forecast

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



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

\* Red color warning does not mean "Red Alert" Red color 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  $4.5^\circ\text{C}$  to  $6.4^\circ\text{C}$ .

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  $40^\circ\text{C}$

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

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  $-4.5^\circ\text{C}$  to  $-6.4^\circ\text{C}$ .

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  $-4.5^\circ\text{C}$  to  $-6.4^\circ\text{C}$ .

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)

\* Red color warning does not mean "Red Alert" Red color 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)