



Friday, June 02, 2023
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 Southwest Monsoon continues to pass through 7°N/65°E, 6.5°N/70°E, 6°N/75°E, 6°N/81°E, 8°N/85°E, 10°N/88°E, 14°N/92°E & 19°N/95°E.
- ❖ Conditions are favourable for further advance of Southwest Monsoon into some more parts of south Arabian Sea, Maldives & Comorin area, South Bay of Bengal, Eastcentral Bay of Bengal and some parts of Northeast Bay of Bengal during next 24 hours.

Significant Meteorological features:

- ❖ The Western Disturbance as a cyclonic circulation in middle & upper tropospheric level lies over north Pakistan & adjoining Punjab and Jammu region and an induced cyclonic circulation lies over Punjab at lower tropospheric levels.
- ❖ A cyclonic circulation lies over south coastal Andhra Pradesh in lower tropospheric levels.
- ❖ A cyclonic circulation likely to develop over southeast Arabian Sea around 05th June. Under its influence a Low Pressure Area is likely to form over the same region during subsequent 24 hours.

Forecast and warning over the country during next 5 days:

Northwest India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm, lightning & occasional gusty winds (40-50 gusting to 60 kmph) very likely over Western Himalayan region on 02nd June and reduce thereafter. Hailstorm very likely at isolated places over Uttarakhand on 02nd June.

South India:

- ❖ 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 02nd-06th June.

No significant weather is likely over rest parts of the country during next 5 days.

Maximum Temperature Forecast and Heat Wave Warnings:

- ❖ No significant change in maximum temperature very likely over Northwest India during next 24 hours and gradual rise by 3-5°C thereafter. Rise by 2-4°C in maximum temperatures very likely over West & Central India 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.
- ❖ Heat wave conditions very likely to continue in isolated pockets over Bihar and West Bengal & Sikkim during 02nd-06th June and likely to prevail over Madhya Maharashtra, Vidarbha and Chhattisgarh on 02nd & 03rd June.
- ❖ Due to humid air & high temperature, Hot and Discomfort weather is very likely over Konkan on 02nd June.
- ❖ Maximum temperatures are likely to be above normal by 4-6°C over Northeast India during next 24 hours.

*** 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 most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; **at isolated places** over Himachal Pradesh, Uttarakhand, West Rajasthan, Delhi, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Andaman & Nicobar Islands, Madhya Maharashtra, Coastal & North Interior Karnataka, Rayalaseema, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST to 1730 hours IST of yesterday): Shillong-4; Gulmarg-2; Baderwah, Batote, Ongole and Udhagamandalam-1 each.
- ❖ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand, Punjab, West Rajasthan, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Tripura, Madhya Maharashtra, Tamil Nadu, Puducherry & Karaikal, Lakshadweep, Coastal Karnataka and Andhra Pradesh.
- ❖ Yesterday, **heat wave conditions** prevailed in isolated pockets over Bihar and Sub-Himalayan West Bengal.
- ❖ **Minimum Temperature Departures (as on 01-06-2023):** Minimum temperatures were **appreciably above normal (3.1°C to 5.1°C)** at a few places over Andhra Pradesh; at isolated places over Assam & Meghalaya, Bihar, Gangetic West Bengal; **above normal (1.6°C to 3.0°C)** at many places over Sub-Himalayan West Bengal & Sikkim; at a few places over Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada; at isolated places over Rayalaseema. They were **markedly below normal (-5.1°C or less)** at many places over Punjab, East Rajasthan; at a few places over West Rajasthan; at isolated places over Madhya Pradesh; **appreciably below normal (-3.1°C to -5.0°C)** at most places over Himachal Pradesh; at many places over Uttarakhand, West Uttar Pradesh, Vidarbha; at a few places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; at isolated places over East Uttar Pradesh, Telangana; **below normal (-1.6°C to -3.0°C)** at isolated places over Saurashtra & Kutch and **near normal** over rest parts of the country. Yesterday, **the lowest minimum temperature of 16.5°C** was reported at **Sikar (East Rajasthan)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 01-06-2023):** Maximum temperatures were **markedly above normal (5.1°C or more)** at most places over Arunachal Pradesh; at many places over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim; at a few places over Bihar; **appreciably above normal (3.1°C to 5.1°C)** at many places over Madhya Maharashtra; at a few places over Gangetic West Bengal and Gujarat Region; at isolated places over Odisha and Nagaland, Manipur, Mizoram & Tripura; **above normal (1.6°C to 3.0°C)** at many places over Kerala & Mahe; at a few places over Vidarbha, Andaman & Nicobar Islands, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal. 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, Himachal Pradesh and West Rajasthan; at a few places over East Rajasthan; at isolated places over West Madhya Pradesh; **appreciably below normal (-3.1°C to -5.1°C)** at most places over Uttarakhand; at many places over West Uttar Pradesh; at isolated places over East Uttar Pradesh; **below normal (-1.6°C to -3.0°C)** at a few places over North Interior Karnataka and at isolated places over Saurashtra & Kutch and East Madhya Pradesh and **near normal** over rest parts of the country. Yesterday, **the highest maximum temperature of 44.3°C** was reported at **Akola (Vidarbha)**.



Meteorological Analysis (Based on 0530 hours IST)

- ❖ The Northern Limit of Southwest Monsoon continues to pass through 7°N/65°E, 6.5°N/70°E, 6°N/75°E, 6°N/81°E, 8°N/85°E, 10°N/88°E, 14°N/92°E & 19°N/95°E.
- ❖ Conditions are favourable for further advance of Southwest Monsoon into some more parts of south Arabian Sea, Maldives & Comorin area, South Bay of Bengal, Eastcentral Bay of Bengal and some parts of Northeast Bay of Bengal during next 24 hours.
- ❖ The Western Disturbance as a cyclonic circulation over north Pakistan & adjoining Punjab and Jammu region between 3.1 km & 9.6 km above mean sea level persists.
- ❖ The induced cyclonic circulation over Punjab & neighbourhood at 1.5 km above mean sea level persists.
- ❖ The cyclonic circulation over Southwest Rajasthan & neighbourhood extending upto 1.5 km above mean sea level persists.
- ❖ The cyclonic circulation over south Coastal Andhra Pradesh & neighbourhood at 1.5 km above mean sea level persists.
- ❖ 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.

Weather Forecast for next 5 days (Upto 0830 hours IST of 07th June, 2023)

- ❖ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.
- ❖ Maximum Temperatures Forecast:
 - **Northwest India:** No significant change in maximum temperature very likely during next 24 hours and rise by 3-5°C thereafter.
 - **West and Central India:** Rise in maximum temperature by 2-4°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 07th -09th 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

02 June (Day 1): ♦ **Heavy rainfall** very likely at isolated places over Kerala and Assam & Meghalaya.

♦ **Hailstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Uttarakhand.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Rajasthan, Andaman & Nicobar Islands, Karnataka, Kerala, Lakshadweep; **with lightning** at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Odisha, Tamil Nadu, Puducherry & Karaikal.

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

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

03 June (Day 2): ♦ **Heavy rainfall** very likely at isolated places over Kerala.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Rajasthan, Madhya Pradesh, Andaman & Nicobar Islands, South Interior Karnataka, Kerala, Lakshadweep; **with lightning** at isolated places over West Bengal & Sikkim, Odisha, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.

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

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

04 June (Day 3): ♦ **Heavy rainfall** very likely at isolated places over Kerala.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Madhya Pradesh, Odisha, South Interior Karnataka, Kerala; **with lightning** at isolated places over Gangetic West Bengal, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.

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

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

05 June (Day 4): ♦ **Heavy rainfall** very likely at isolated places over Kerala.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Odisha, Coastal & South Interior Karnataka, Kerala; **with lightning** at isolated places over Gangetic West Bengal.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar, Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Southeast Arabian Sea & adjoining Lakshadweep & Maldives area, Gulf of Mannar & adjoining Comorin area, South Bay of Bengal and Andaman Sea & adjoining Eastcentral bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea. Fishermen are advised not to venture into these areas.

06 June (Day 5): ♦ **Heavy rainfall** very likely at isolated places over Kerala.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Odisha, Coastal & South Interior Karnataka, Kerala; **with lightning** at isolated places over Gangetic West Bengal.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar, Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Southeast Arabian Sea & adjoining Lakshadweep & Maldives area, Gulf of Mannar & adjoining Comorin area, South Bay of Bengal and Andaman Sea & adjoining Eastcentral bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea. 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)



Table-1

5 Day Rainfall Forecast

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

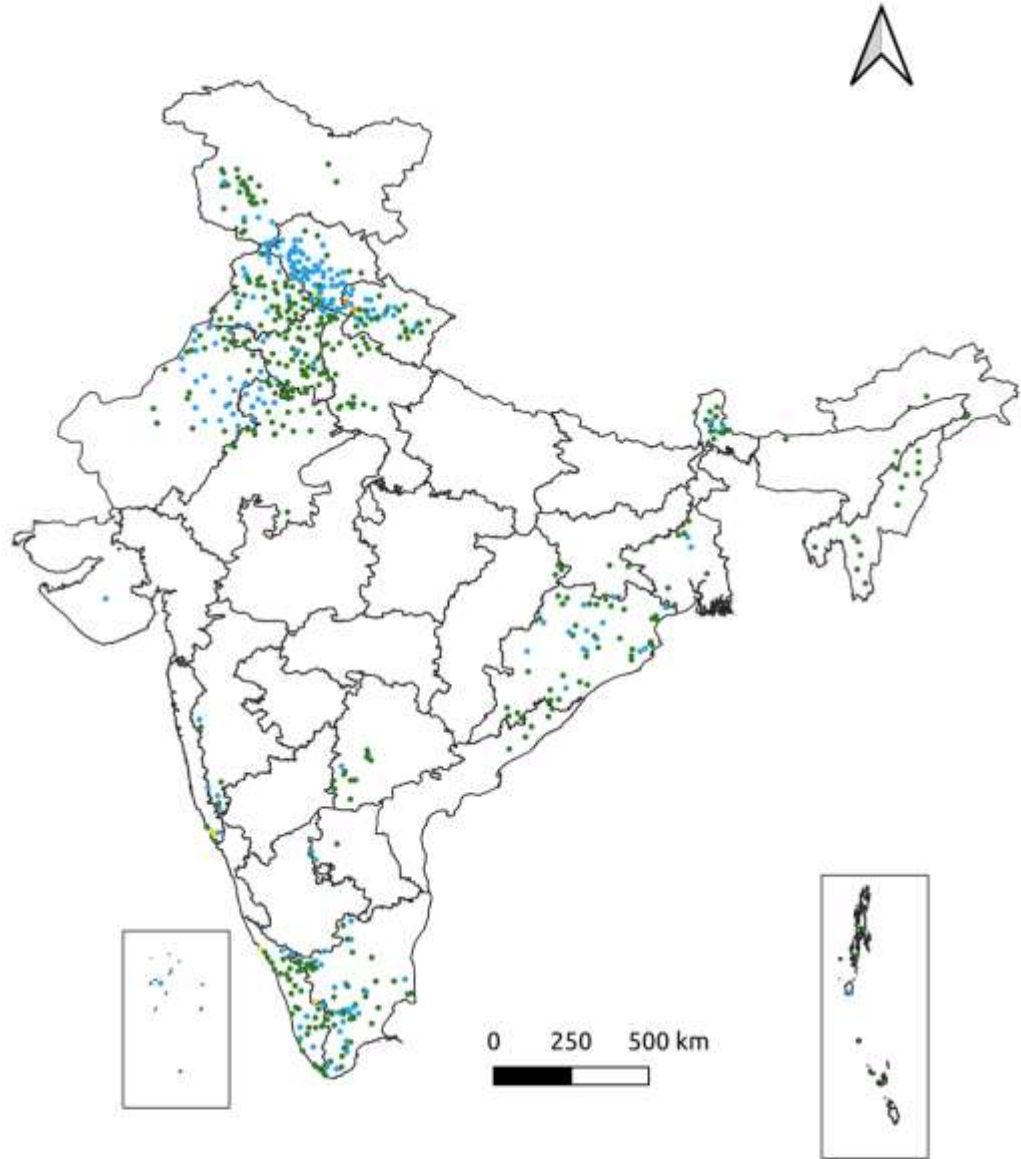
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day
For more details kindly visit <https://mausam.imd.gov.in> or contact : 011-2434-4599
(Service to the Nation since 1875)



Fig. 1: Accumulated Rainfall (mm) during past 24 hours



24 Hr cumulative rainfall recorded over different stations
during 0830 IST of 31-5-2023 to 0830 IST of 1-6-2023

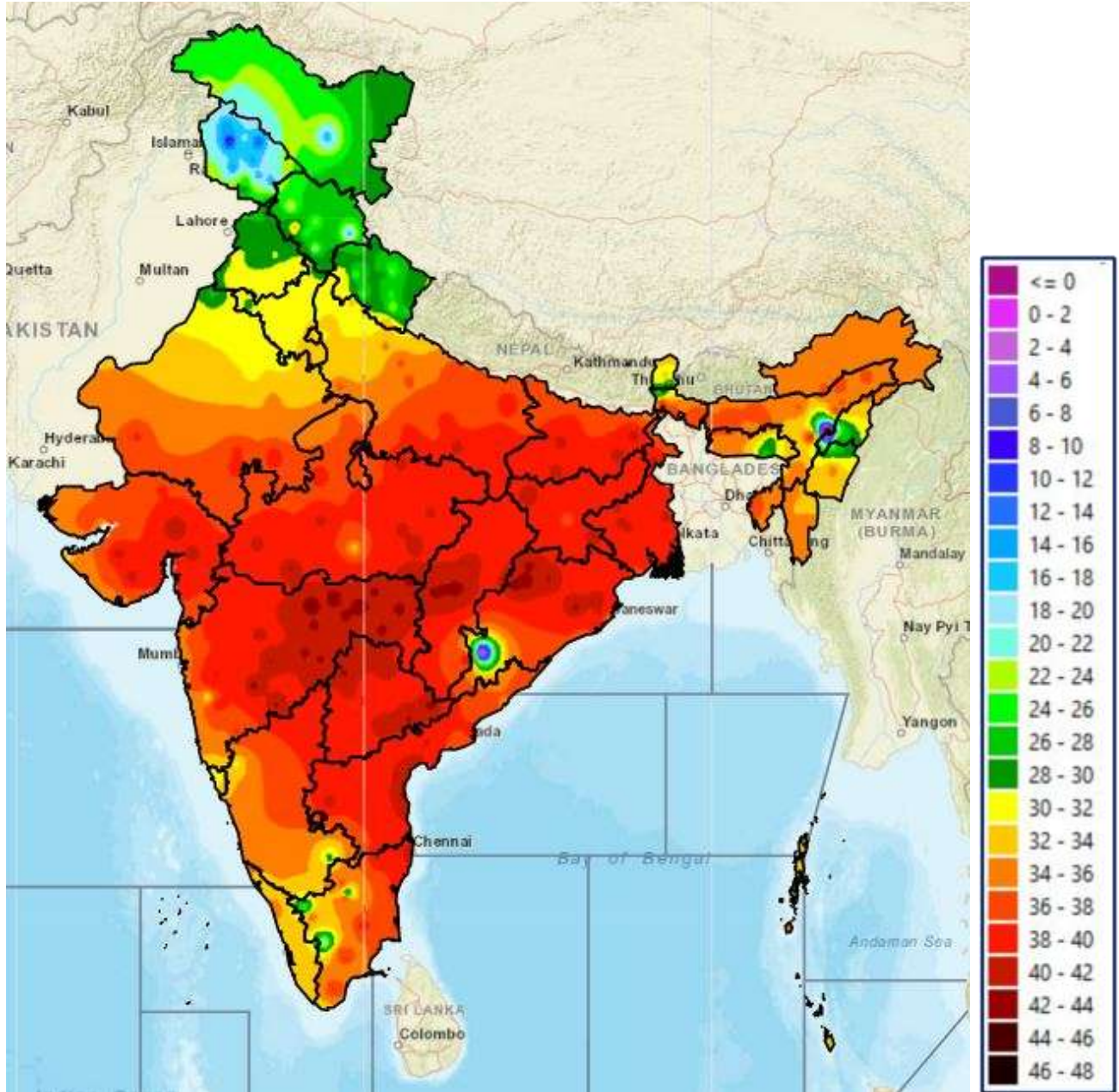


Legends

- 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 (≥ 204.5 mm)



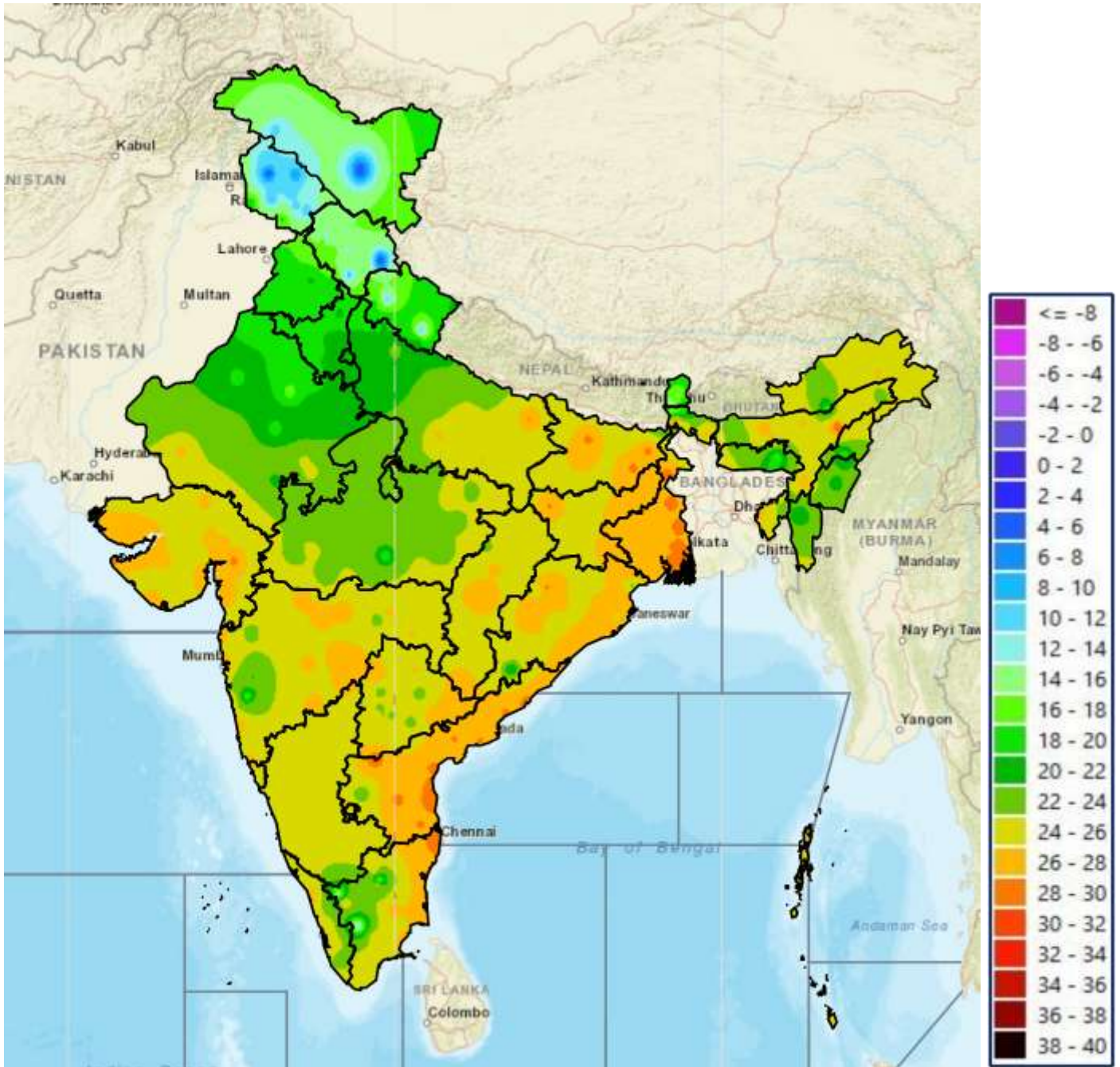
Fig. 2: Maximum Temperatures Dated 01.06.2023



*** 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)



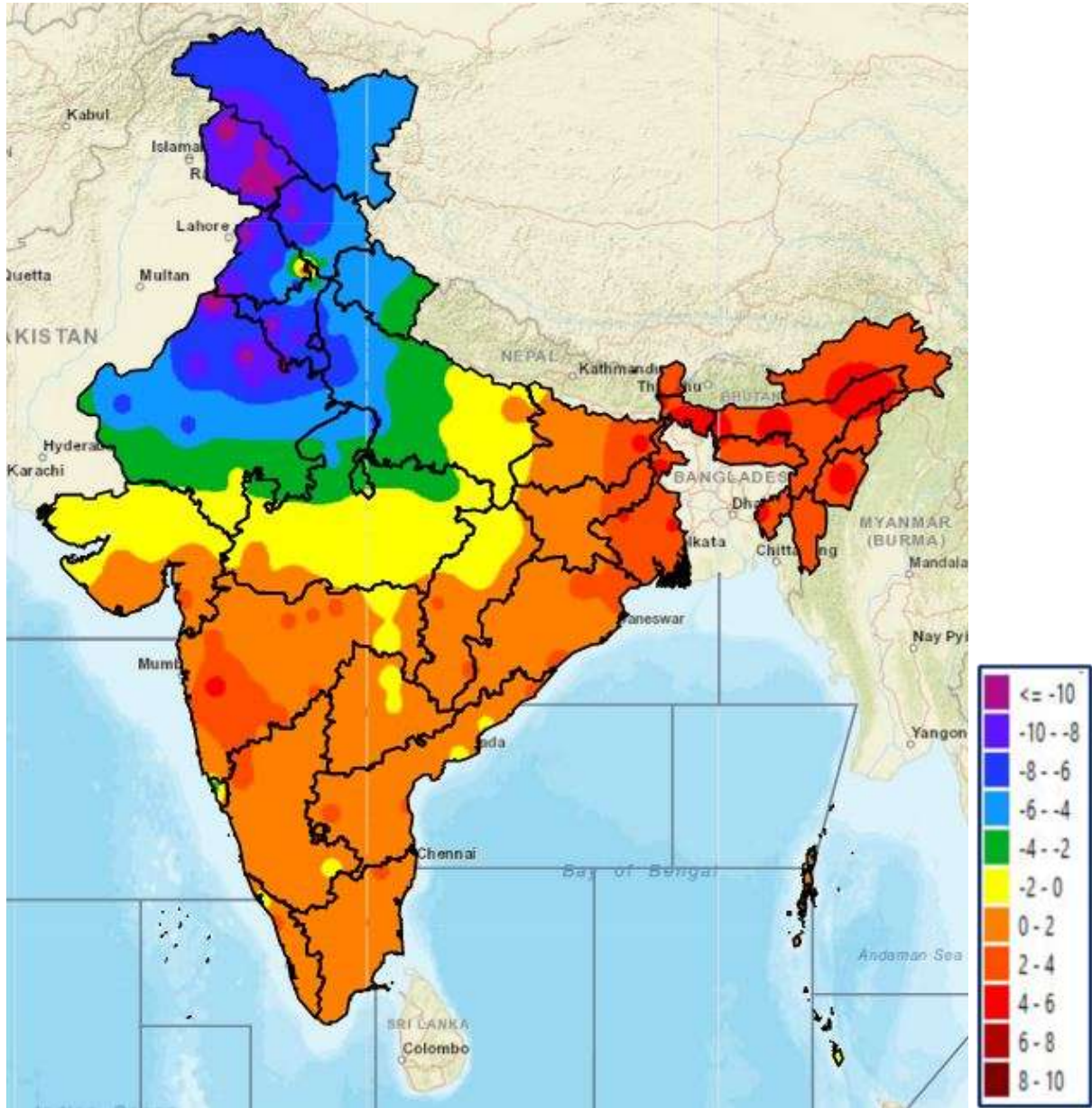
Fig. 3: Minimum Temperatures Dated 01.06.2023



*** 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)



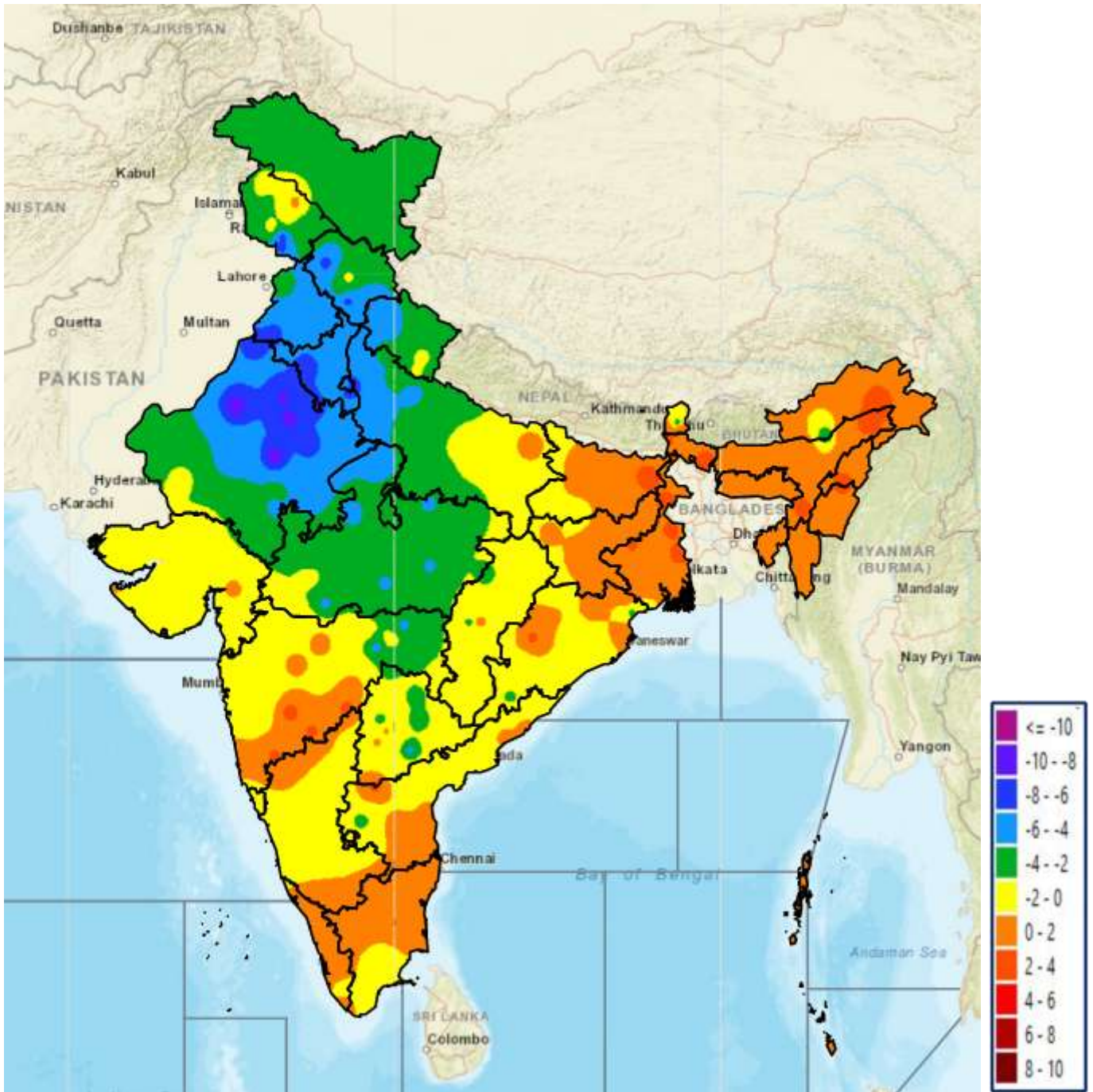
Fig. 4: Departure from Normal of Maximum Temperatures Dated 01.06.2023



*** 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)



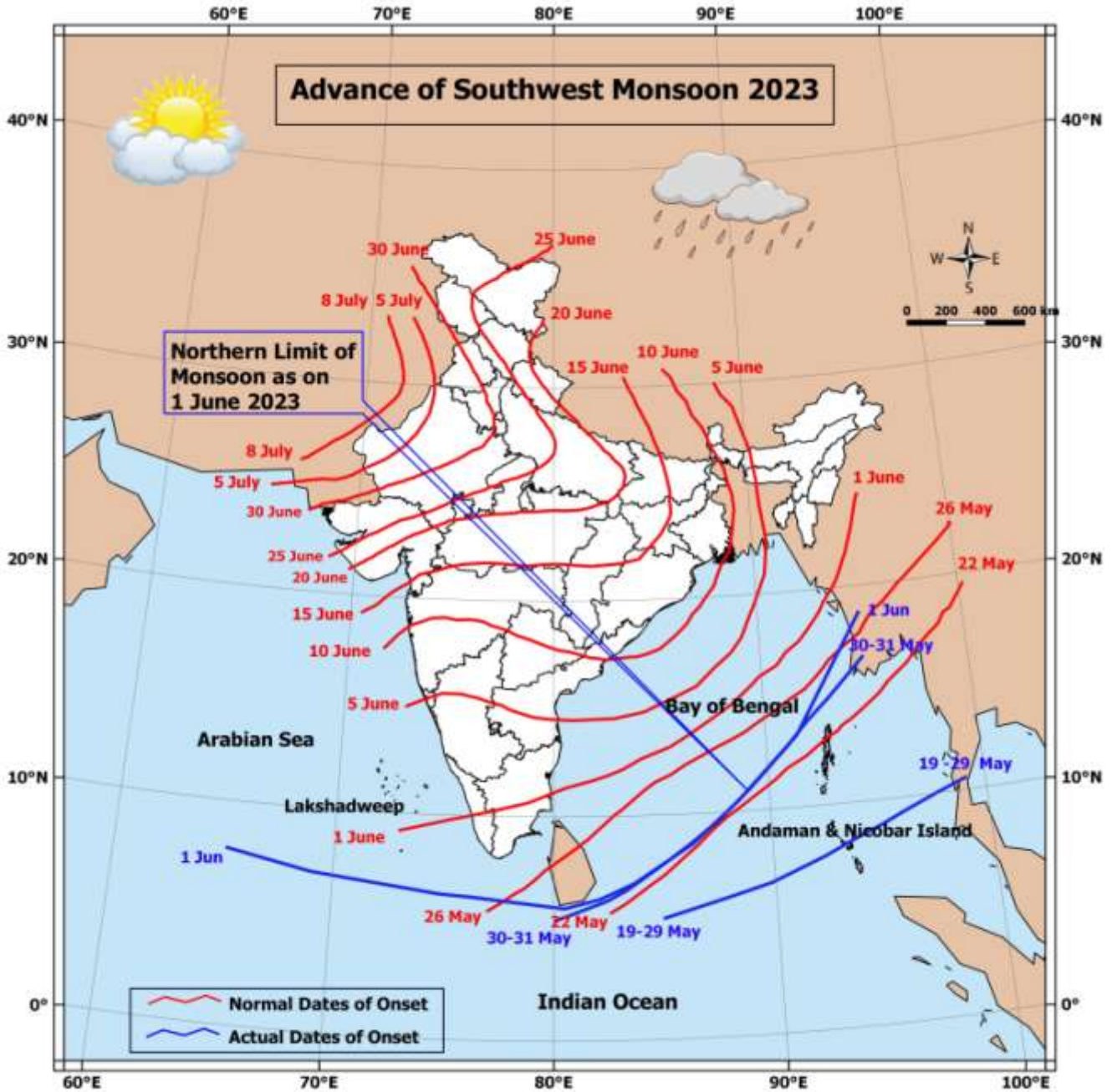
Fig. 5: Departure from Normal of Minimum Temperatures Dated 01.06.2023

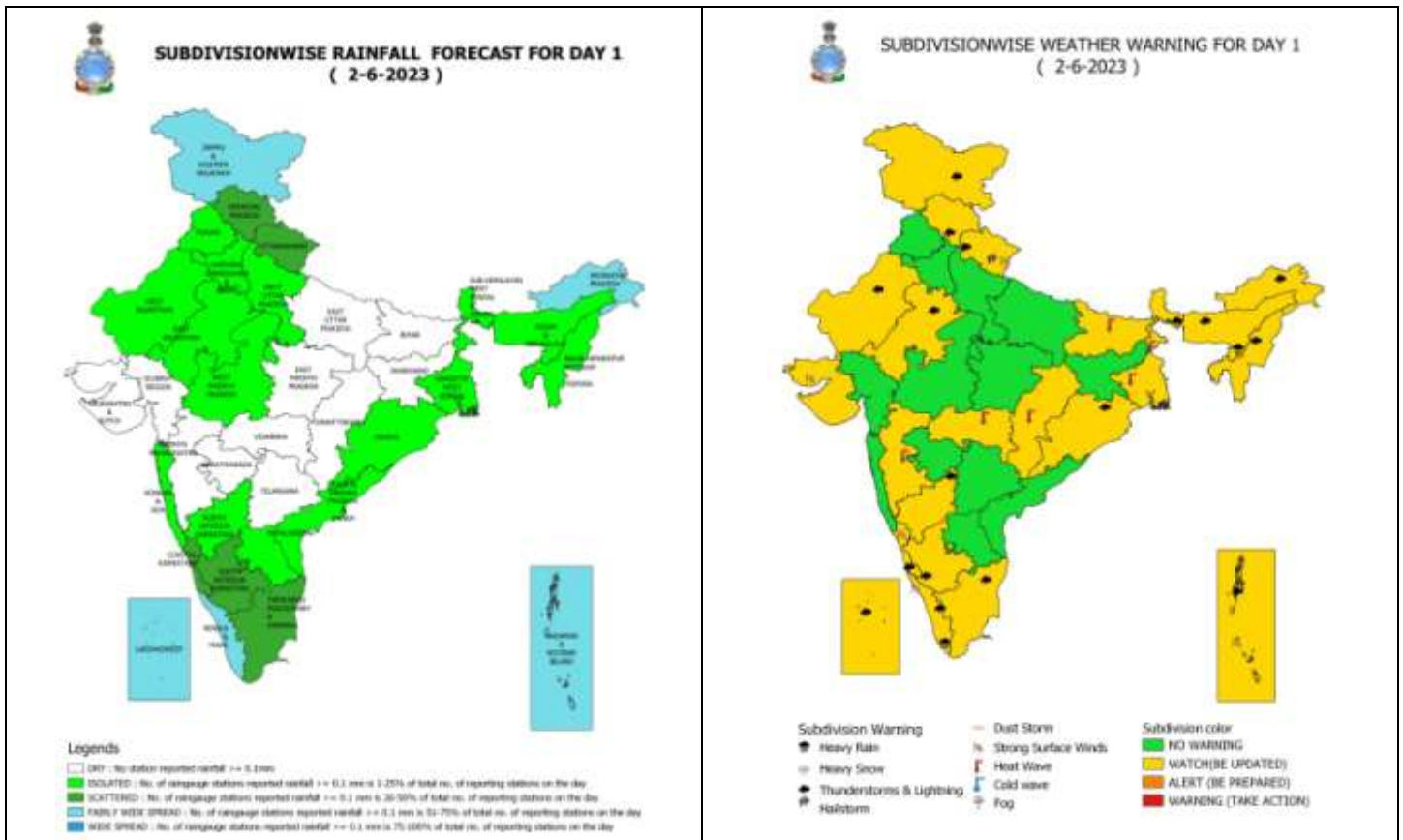


*** Red color warning does not mean "Red Alert" Red color warning means "Take Action".**
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day
For more details kindly visit <https://mausam.imd.gov.in> or contact : 011-2434-4599
(Service to the Nation since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



Fig. 6: Advance of Southwest Monsoon





02 June (Day 1): ♦ **Heavy rainfall** very likely at isolated places over Kerala and Assam & Meghalaya..

♦ **Hailstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Uttarakhand.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Rajasthan, Andaman & Nicobar Islands, Karnataka, Kerala, Lakshadweep; **with lightning** at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Odisha, Tamil Nadu, Puducherry & Karaikal.

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

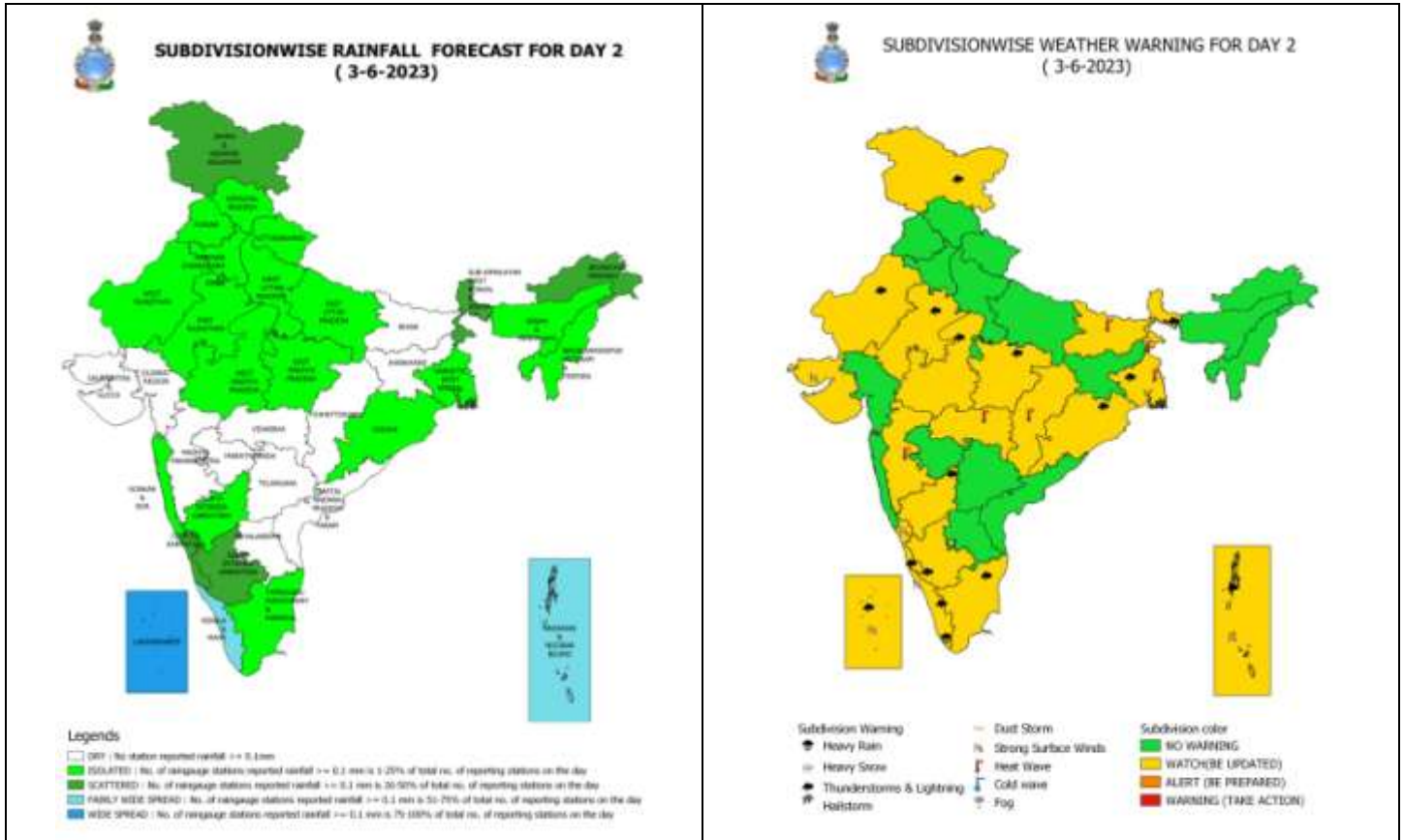
♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Northeast Arabian Sea, Kerala-Karnataka coasts & adjoining Eastcentral Arabian Sea & Lakshadweep and Andaman Sea. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Gulf of Mannar & adjoining Comorin 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)



03 June (Day 2): ♦ **Heavy rainfall** very likely at isolated places over Kerala.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Rajasthan, Madhya Pradesh, Andaman & Nicobar Islands, South Interior Karnataka, Kerala, Lakshadweep; **with lightning** at isolated places over West Bengal & Sikkim, Odisha, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.

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

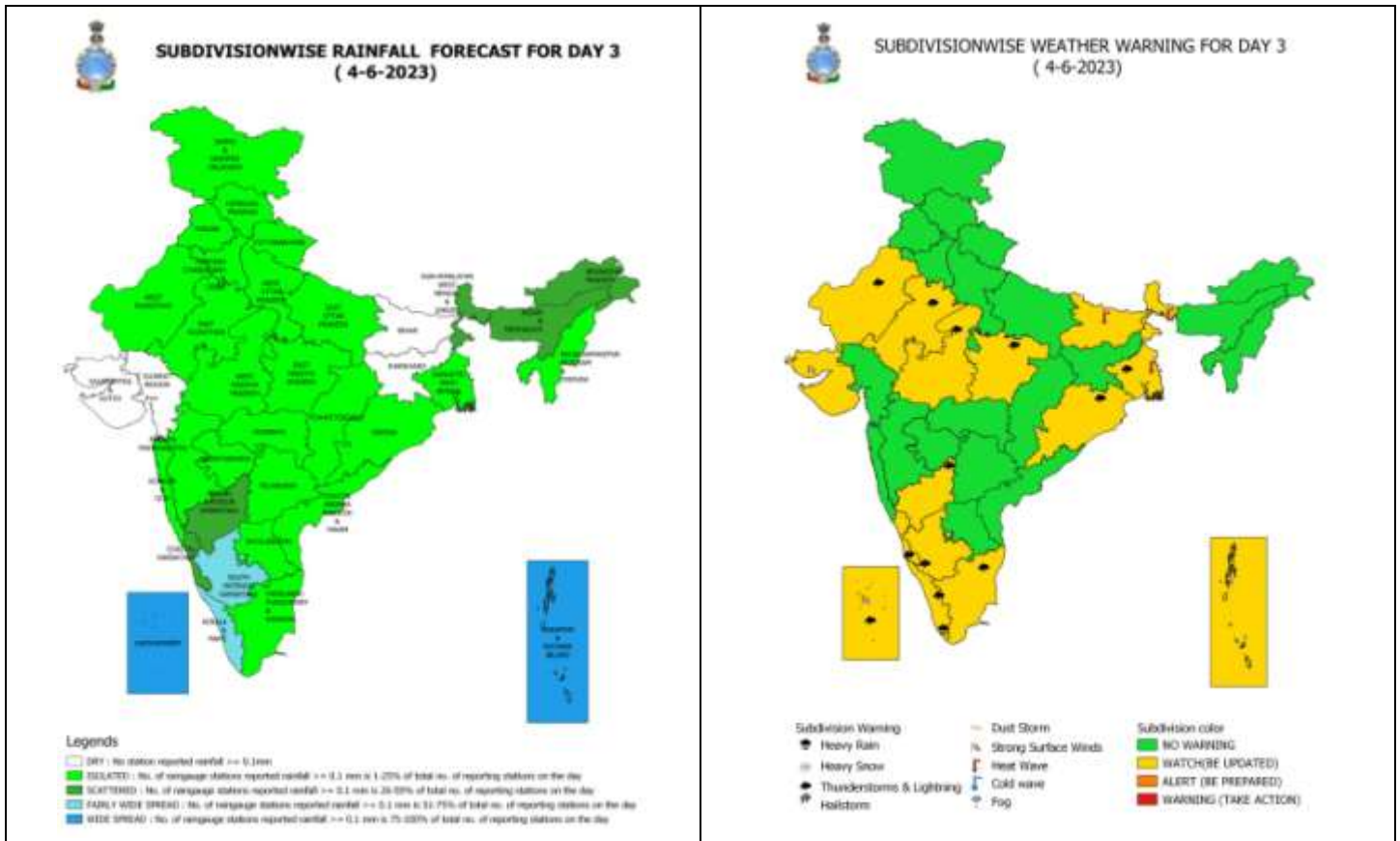
♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Kerala-Karnataka coasts & adjoining Eastcentral Arabian Sea & Lakshadweep, Gulf of Mannar & adjoining Comorin area, South Bay of Bengal and Andaman Sea. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea. 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)



04 June (Day 3): ♦ **Heavy rainfall** very likely at isolated places over Kerala.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Madhya Pradesh, Odisha, South Interior Karnataka, Kerala; **with lightning** at isolated places over Gangetic West Bengal, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.

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

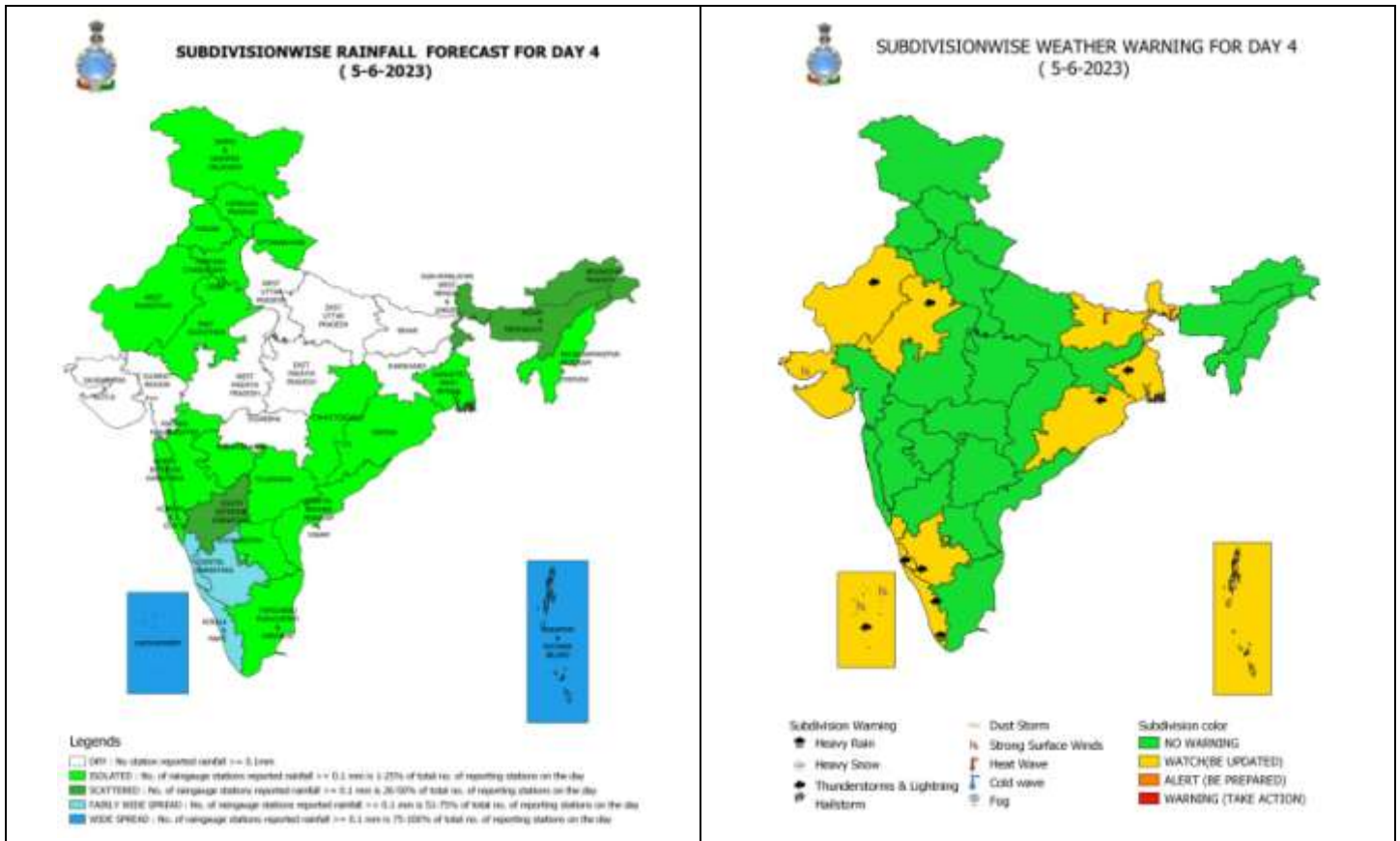
♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Kerala-Karnataka coasts & adjoining Eastcentral Arabian Sea & Lakshadweep, Southeast Arabian Sea, Gulf of Mannar & adjoining Comorin area, South Bay of Bengal and Andaman Sea. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea. 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 4): ♦ **Heavy rainfall** very likely at isolated places over Kerala.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Odisha, Coastal & South Interior Karnataka, Kerala; **with lightning** at isolated places over Gangetic West Bengal.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar, Sub-Himalayan West Bengal & Sikkim.

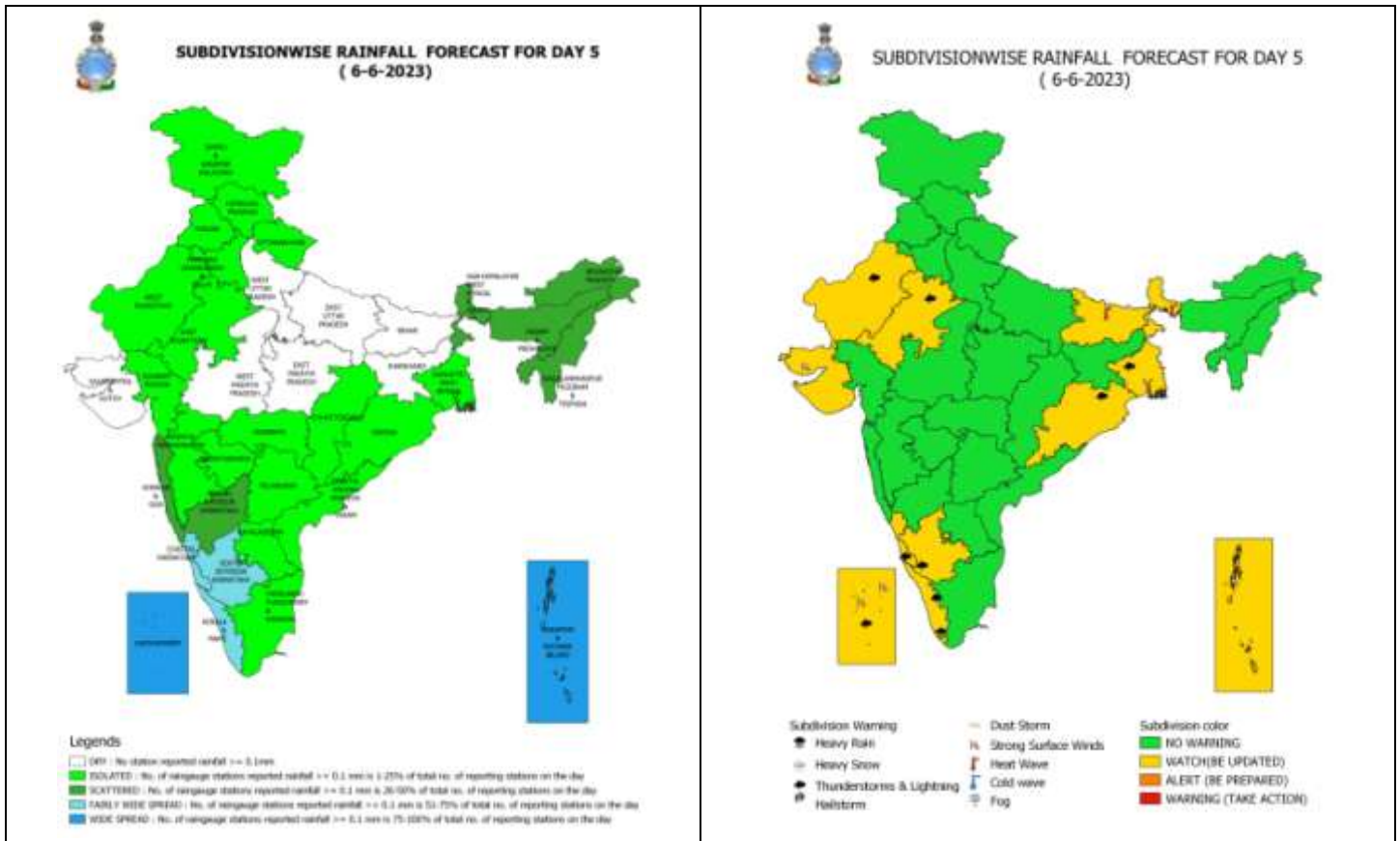
♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Southeast Arabian Sea & adjoining Lakshadweep & Maldives area, Gulf of Mannar & adjoining Comorin area, South Bay of Bengal and Andaman Sea & adjoining Eastcentral bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea. 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 5): ♦ **Heavy rainfall** very likely at isolated places over Kerala.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Rajasthan, Odisha, Coastal & South Interior Karnataka, Kerala; **with lightning** at isolated places over Gangetic West Bengal.

♦ **Heat Wave conditions** likely in isolated pockets over Bihar, Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** very likely over Southeast Arabian Sea & adjoining Lakshadweep & Maldives area, Gulf of Mannar & adjoining Comorin area, South Bay of Bengal and Andaman Sea & adjoining Eastcentral bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea. 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

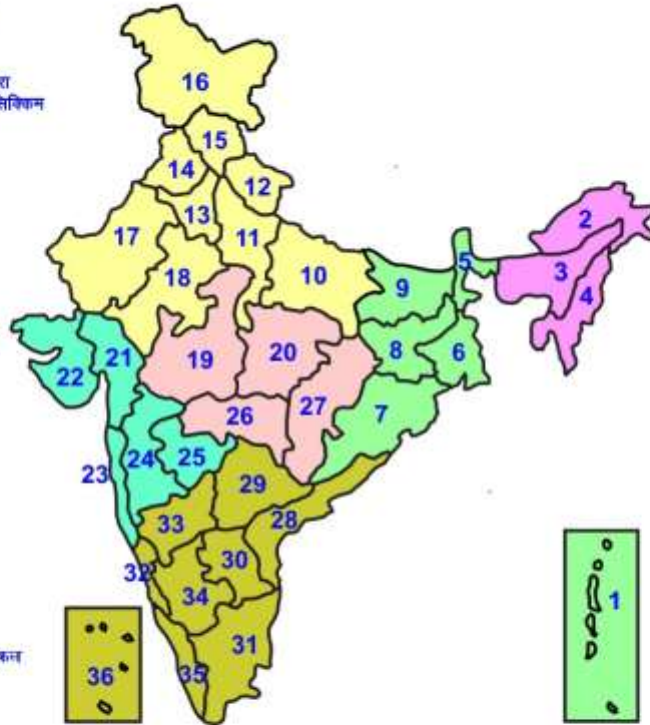
For more details kindly visit <https://mausam.imd.gov.in> or contact : 011-2434-4599

(Service to the Nation since 1875)



LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीज़ोरम 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 उत्तराखंड
- 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 क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठवाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 वटीय आंध्र प्रदेश एवं थलम
- 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)

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 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°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)

* 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)