



Saturday, June 24, 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 Monsoon (NLM) continues to pass through Lat. 16.5°N/ Long. 55°E, Lat. 17.0°N/ Long. 60°E, Lat. 17°N/ Long. 65°E, Lat. 17°N/ Long. 70°E, Ratnagiri, Bijapur, Nizamabad, Durg, Daltonganj, Buxar, Siddharthnagar and Lat. 28°N/ Long. 82.5°E.
- ❖ Conditions are favourable for further advance of Southwest Monsoon over some more parts of Chhattisgarh, remaining parts of Jharkhand & Bihar, some parts of East Madhya Pradesh, some more parts of Uttar Pradesh and some parts of Uttarakhand during next 2 days.
- ❖ Conditions are also becoming favourable for further advance of Southwest Monsoon over some more parts of Maharashtra, Karnataka & Telangana during next 3 days.

Significant Weather features, Forecast and Warning during next 5 days:

Northeast & adjoining East India:

- ❖ Fairly widespread to widespread light/moderate rainfall with isolated thunderstorm & lightning very likely during next 5 days.
- ❖ Isolated **Heavy to Very Heavy falls** very likely over Odisha during 24th-26th June.
- ❖ Isolated **heavy rainfall** also likely over Assam & Meghalaya during 26th - 28th; Nagaland, Manipur & Mizoram during 24th to 28th; Sub-Himalayan West Bengal & Sikkim on 26th; Odisha on 27th & 28th and Jharkhand on 25th & 26th June.

Northwest India:

- ❖ Light/moderate scattered to fairly widespread rainfall with isolated thunderstorm & lightning very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand & Uttar Pradesh during 24th-28th and over Punjab, Haryana, Chandigarh & Delhi and East Rajasthan during 25th-28th June.
- ❖ Isolated **heavy/very heavy rainfall** very likely over Uttarakhand & Himachal Pradesh during 24th-28th and Isolated **heavy rainfall** over Uttar Pradesh during 24th-26th; over Punjab, Haryana, Chandigarh and East Rajasthan during 25th-28th June.

Central India:

- ❖ Light/moderate fairly widespread to widespread rainfall with isolated **heavy/very heavy falls**, thunderstorm & lightning over the region (Madhya Pradesh, Chhattisgarh & Vidarbha) during next 5 days.
- ❖ Isolated **extremely heavy rainfall** very likely over Chhattisgarh on 24th June.

South India:

- ❖ Light/moderate scattered to fairly widespread rainfall with isolated thunderstorm & lightning very likely over the region during next 5 days.
- ❖ **Isolated heavy/very heavy rainfall** also likely over Coastal Karnataka during 24th-28th; over Coastal Andhra Pradesh on 24th; Telangana during 24th-25th; Kerala & Mahe during 25th-28th June.
- ❖ **Isolated heavy rainfall** also likely over Interior Karnataka during 26th - 28th June.

West India:

- ❖ Light/moderate fairly widespread to widespread rainfall with isolated **heavy/very falls**, thunderstorm & lightning very likely over Konkan & Goa during 24th-28th June & over Gujrat region on 27th -28th June.
- ❖ Light/moderate scattered to fairly widespread rainfall with isolated thunderstorm & lightning very likely over Madhya Maharashtra and Marathwada during 24th-28th and over Gujarat Region during 26th - 28th June.
- ❖ **Isolated Heavy rainfall** also likely over north Madhya Maharashtra during 25th-28th June.

Maximum Temperatures and Heat Wave warning:

- ❖ Fall in maximum temperatures by 2-3°C very likely over East India during next 2 days; by 4-6°C over most parts of Northwest India (except West Rajasthan) & Central India and by 2-4°C over West India during next 4 days. No significant change in maximum temperatures likely over rest parts of country during next 5 days.
- ❖ **No Heat Wave** conditions very likely over the country during next 5 days

Main Weather Observations

- ❖ **Rainfall/thundershowers observed** (from 0830 hours IST to 1730 hours IST of yesterday): **at most places over** Coastal Karnataka; **at many places over** Madhya Pradesh, Odisha and Nagaland, Manipur, Mizoram & Tripura; **at a few places over** Vidarbha, Chhattisgarh, Gangetic West Bengal, Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe and **at isolated places over** Himachal Pradesh, Uttarakhand, Gujarat Region, Uttar Pradesh, Sub-Himalaya West Bengal & Sikkim, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.
- ❖ **Heavy Rainfall observed** (from 0830 hours IST to 1730 hours IST of yesterday): Nil.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST to 1730 hours IST of yesterday): Coastal Karnataka: Karwar-6, Honavar & Mangalore-4 each; Kerala: Cannur-3; Himachal Pradesh: Nahan-3; Gangetic West Bengal: Canning-2, Contai-1; Odisha: Gopalpur & Chandbali-2 each; West Madhya Pradesh: Bhopal & Raisen-2 each, Gwalior, Hoshangabad & Pachmarhi-1 each; East Madhya Pradesh: Mandla & Seoni-2 each, Sagar & Chhindwara-1 each; Vidarbha: Nagpur, Gondia & Amraoti-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, Odisha, Vidarbha, Madhya Pradesh, Chhattisgarh, Nagaland, Manipur, Mizoram & Tripura, Telangana and Coastal Karnataka.
- ❖ **Minimum Temperature Departures (as on 23-06-2023)**: Minimum temperatures were **markedly above normal (5.1°C or more)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **appreciably above normal (3.1°C to 5.0°C)** at many places over Himachal Pradesh and Punjab; at isolated places over Haryana, Vidarbha, Marathwada and North Interior Karnataka; **above normal (1.6°C to 3.0°C)** at many places over Madhya Maharashtra and Andaman & Nicobar Islands; at a few places over Uttarakhand, Bihar, East Madhya Pradesh, Gujarat Region and Konkan & Goa; at isolated places over Gangetic West Bengal, Telangana, Rayalaseema and Kerala & Mahe. They were **appreciably below normal (-3.1°C to -5.0°C)** at a few places over West Madhya Pradesh; **below normal (-1.6°C to -3.0°C)** at a few places over Assam & Meghalaya, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; at isolated places over Odisha and **near normal** over rest parts of the country. Yesterday, **the lowest minimum temperature of 20.0°C** was reported at **Khandwa (West Madhya Pradesh)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 23-06-2023)**: Maximum temperatures were **markedly above normal (5.1°C or more)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Madhya Maharashtra; **appreciably above normal (3.1°C to 5.0°C)** at most places over Marathwada and North Interior Karnataka; at a few places over Gangetic West Bengal; at isolated places over Bihar; **above normal (1.6°C to 3.0°C)** at most places over Jharkhand and Konkan & Goa; at many places over Nagaland, Manipur, Mizoram & Tripura and Kerala & Mahe; at a few places over Himachal Pradesh, Andaman & Nicobar Islands and Sub-Himalaya West Bengal & Sikkim. They were **markedly below normal (-5.1°C or less)** at a few places over Madhya Pradesh and Vidarbha; **appreciably below normal (-3.1°C to -5.0°C)** at many places over Coastal Andhra Pradesh & Yanam; at isolated places over Haryana-Chandigarh-Delhi, West Uttar Pradesh and Telangana; **below normal (-1.6°C to -3.0°C)** at many places over Uttarakhand, East Rajasthan and Odisha; at a few places over Chhattisgarh; at isolated places over West Rajasthan, Gujarat state, East Uttar Pradesh and Tamil Nadu, Puducherry & Karaikal and **near normal** over rest parts of the country. Yesterday, **the highest maximum temperature of 43.4°C** was reported at **Ganganagar (West Rajasthan)**.

Meteorological Analysis (Based on 0530 hours IST)

- ❖ The Northern Limit of Monsoon (NLM) continues to pass through Lat. 16.5°N/ Long. 55°E, Lat. 17.0°N/ Long. 60°E, Lat. 17°N/ Long. 65°E, Lat. 17°N/ Long. 70°E, Ratnagiri, Bijapur, Nizamabad, Durg, Daltonganj, Buxar, Siddharthnagar and Lat. 28°N/ Long. 82.5°E.
- ❖ Conditions are favourable for further advance of Southwest Monsoon over some more parts of Chhattisgarh, remaining parts of Jharkhand & Bihar, some parts of East Madhya Pradesh, some more parts of Uttar Pradesh and some parts of Uttarakhand during next 2 days.
- ❖ Conditions are also becoming favourable for further advance of Southwest Monsoon over some more parts of Maharashtra, Karnataka & Telangana during next 3 days.
- ❖ The cyclonic circulation over central parts of Uttar Pradesh extending upto 3.1 km above mean sea level persists.
- ❖ The cyclonic circulation over Northwest Bay of Bengal adjoining north Odisha-West Bengal coasts extending upto 7.6 km above mean sea level tilting southwestwards with height persists.
- ❖ The east-west trough from north Punjab to the above cyclonic circulation across the cyclonic circulation over central parts of Uttar Pradesh extending upto 1.5 km above mean sea level persists.
- ❖ The off-shore trough at mean sea level roughly along south Maharashtra-Karnataka-north Kerala coasts persists.
- ❖ The cyclonic circulation over Northeast Arabian sea & adjoining Gujarat coast at 3.1 km above mean sea level persists.

Weather Forecast for next 5 days (Upto 0830 hours IST of 29th June, 2023)

- ❖ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.
- ❖ **Maximum Temperatures Forecast:**
- ❖ Fall in maximum temperatures by 2-3°C very likely over East India during next 2 days; by 4-6°C over most parts of Northwest India (except West Rajasthan) & Central India and by 2-4°C over West India during next 4 days. No significant change in maximum temperatures likely over rest parts of country during next 5 days.
- ❖ **Thunderstorm accompanied with lightning** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh, East Rajasthan during next 4-5 days.

Weather Outlook for subsequent 2 days (During 29th-01st July, 2023)

- ❖ Fairly widespread to widespread light/moderate rainfall with thunderstorm likely to continue over northeast India, central India, Western Himalayan Region along the west coast and islands.
- ❖ Isolated to scattered rainfall over remaining part of the country India.



Weather Warning during next 5 days

24 June (Day 1): ♦ **Heavy to very heavy rainfall with extremely heavy falls very likely** at isolated places over Chhattisgarh; **Heavy to very heavy rainfall** at isolated places over Odisha, Uttarakhand, East Madhya Pradesh and Telangana and **heavy rainfall** at isolated places over Nagaland, Manipur, Mizoram, East Uttar Pradesh, northwest Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, Konkan & Goa, Vidarbha, Coastal Andhra Pradesh & Yanam and Coastal Karnataka.

♦ **Thunderstorm with lightning & gusty winds (speed 40-50 kmph)** very likely at isolated places over Coastal Andhra Pradesh & Yanam; **with lightning & gusty winds (speed 30-40 kmph)** at isolated places over Telangana, Interior Karnataka and Rayalaseema; **with lightning** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, Jharkhand, Bihar, East Uttar Pradesh, Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka and Kerala & Mahe.

♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over westcentral & southwest Arabian Sea and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

25 June (Day 2): ♦ **Heavy to very heavy rainfall very likely** at isolated places over Odisha, Uttarakhand, Himachal Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Telangana and **heavy rainfall** at isolated places over Nagaland, Manipur, Mizoram, Jharkhand, Uttar Pradesh, Punjab, Haryana-Chandigarh, East Rajasthan, Konkan & Goa, ghat areas of Madhya Maharashtra, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Kerala & Mahe; **with lightning** at isolated places over Gangetic West Bengal, Jharkhand, Bihar, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Coastal Karnataka.

♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over westcentral & southwest Arabian Sea and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.



26 June (Day 3): ♦ **Heavy to very heavy rainfall** very likely at isolated places over Odisha, Uttarakhand, Himachal Pradesh, Madhya Pradesh, Konkan & Goa, Vidarbha, Chhattisgarh and Coastal Karnataka and **heavy rainfall** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Uttar Pradesh, Punjab, Haryana-Chandigarh, East Rajasthan, ghat areas of Madhya Maharashtra, Telangana, Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe; **with lightning** at isolated places over Jharkhand, Bihar, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Karnataka.

♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over Westcentral Bay of Bengal, westcentral & southwest Arabian Sea, south Gujarat coast and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

27 June (Day 4): ♦ **Heavy to very heavy rainfall** likely at isolated places over Madhya Pradesh, Konkan & Goa, Vidarbha, Chhattisgarh, Coastal Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram, Odisha, Uttarakhand, Punjab, Haryana-Chandigarh, Himachal Pradesh, East Rajasthan, Gujarat Region, ghat areas of Madhya Maharashtra and Interior Karnataka.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe; **with lightning** at isolated places over Bihar, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Karnataka.

♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over westcentral & southwest Arabian Sea, south Gujarat coast and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

28 June (Day 5): ♦ **Heavy to very heavy rainfall** likely at isolated places over East Rajasthan, Gujarat Region, Madhya Pradesh, Konkan & Goa, Vidarbha, Chhattisgarh, Coastal Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram, Odisha, Uttarakhand, Punjab, Haryana-Chandigarh, Himachal Pradesh, ghat areas of Madhya Maharashtra and Interior Karnataka.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe; **with lightning** at isolated places over Bihar, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Karnataka.

♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over westcentral & southwest Arabian Sea, south Gujarat coast and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.



Table-1

5 Day Rainfall Forecast

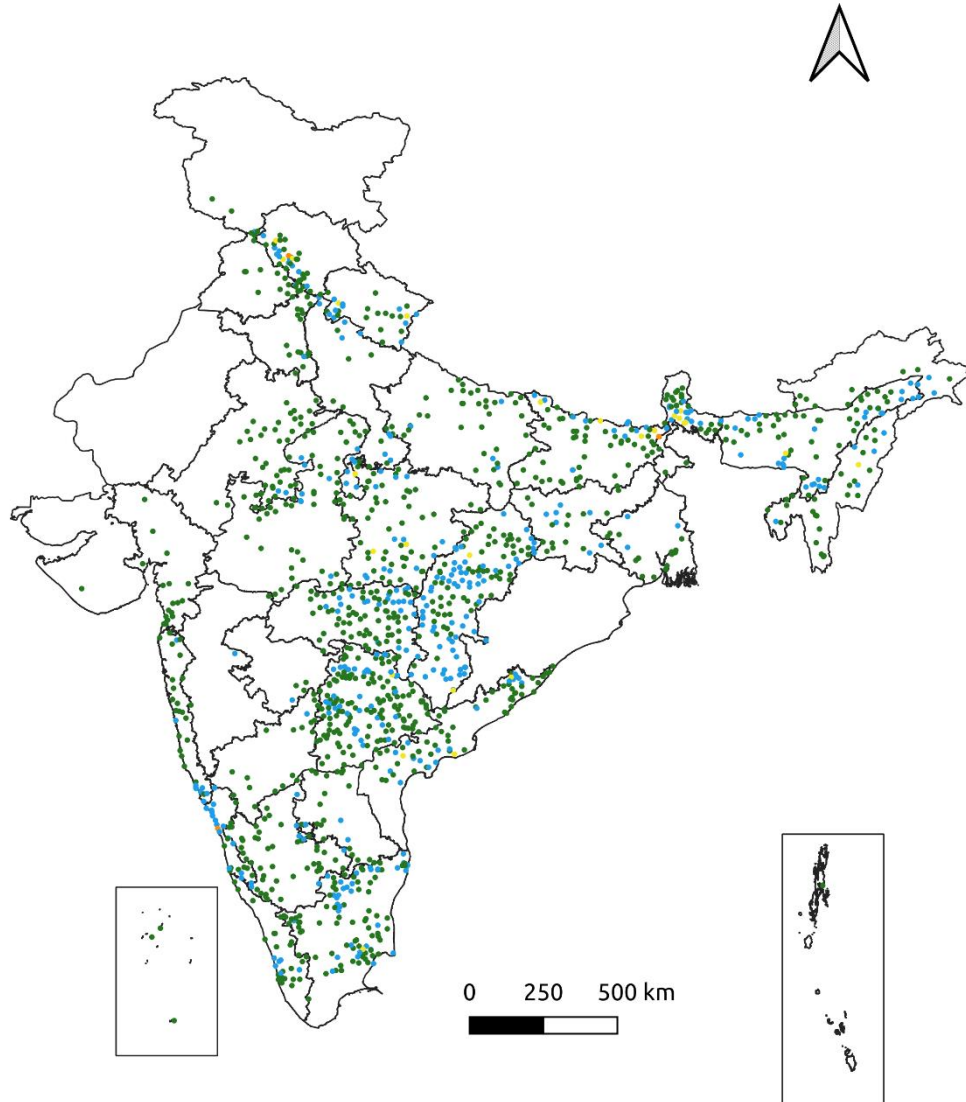
S. No.	Subdivision	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun
		Day 1	Day 2	Day 3	Day 4	Day 5
1	ANDAMAN & NICOBAR ISLANDS	SCT	SCT	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	WS
3	ASSAM & MEGHALAYA	FWS	FWS	WS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	FWS	FWS	WS	WS	WS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM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

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



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 22-6-2023 to 0830 IST of 23-6-2023



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 23.06.2023

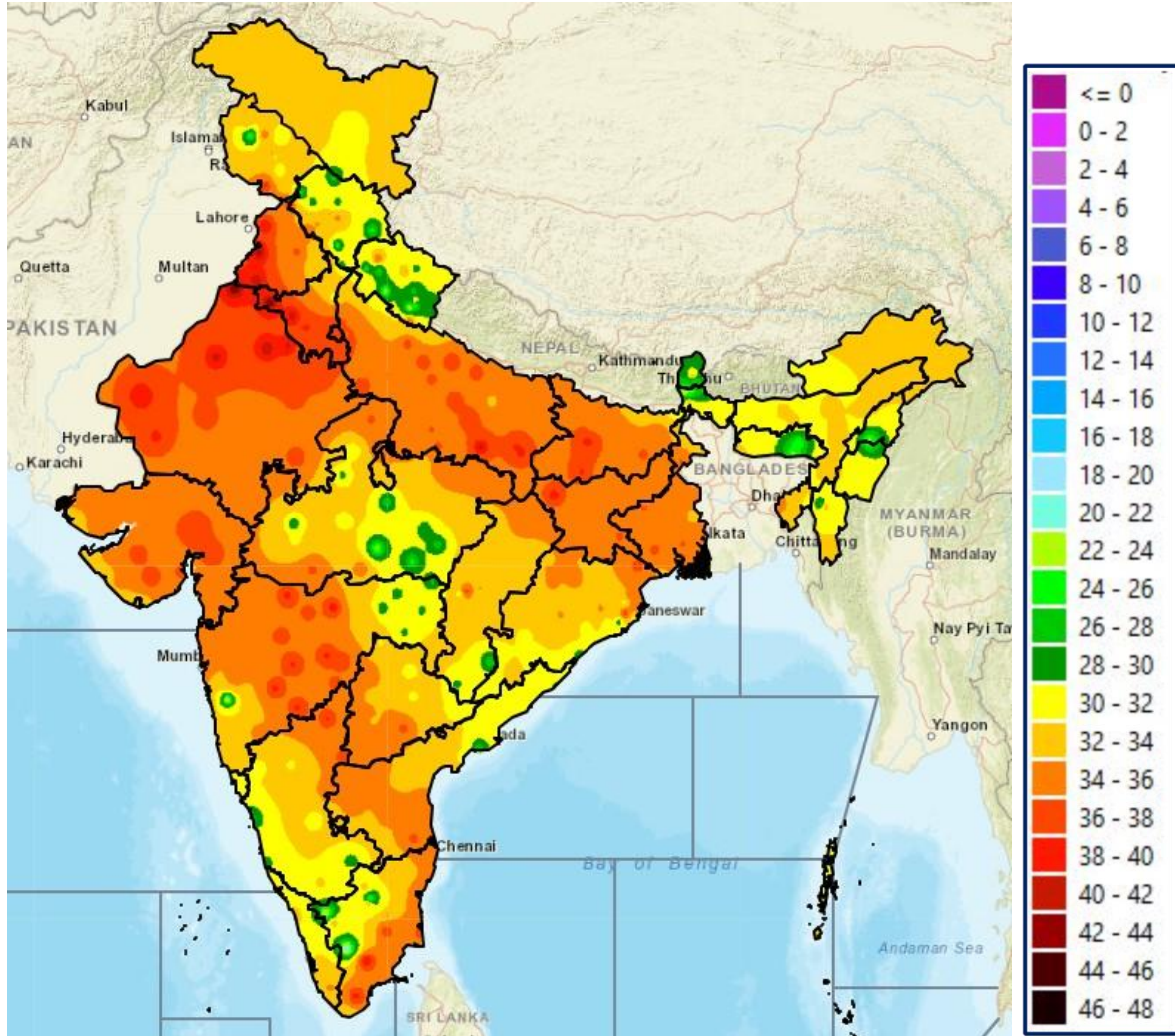


Fig. 3: Minimum Temperatures Dated 23.06.2023

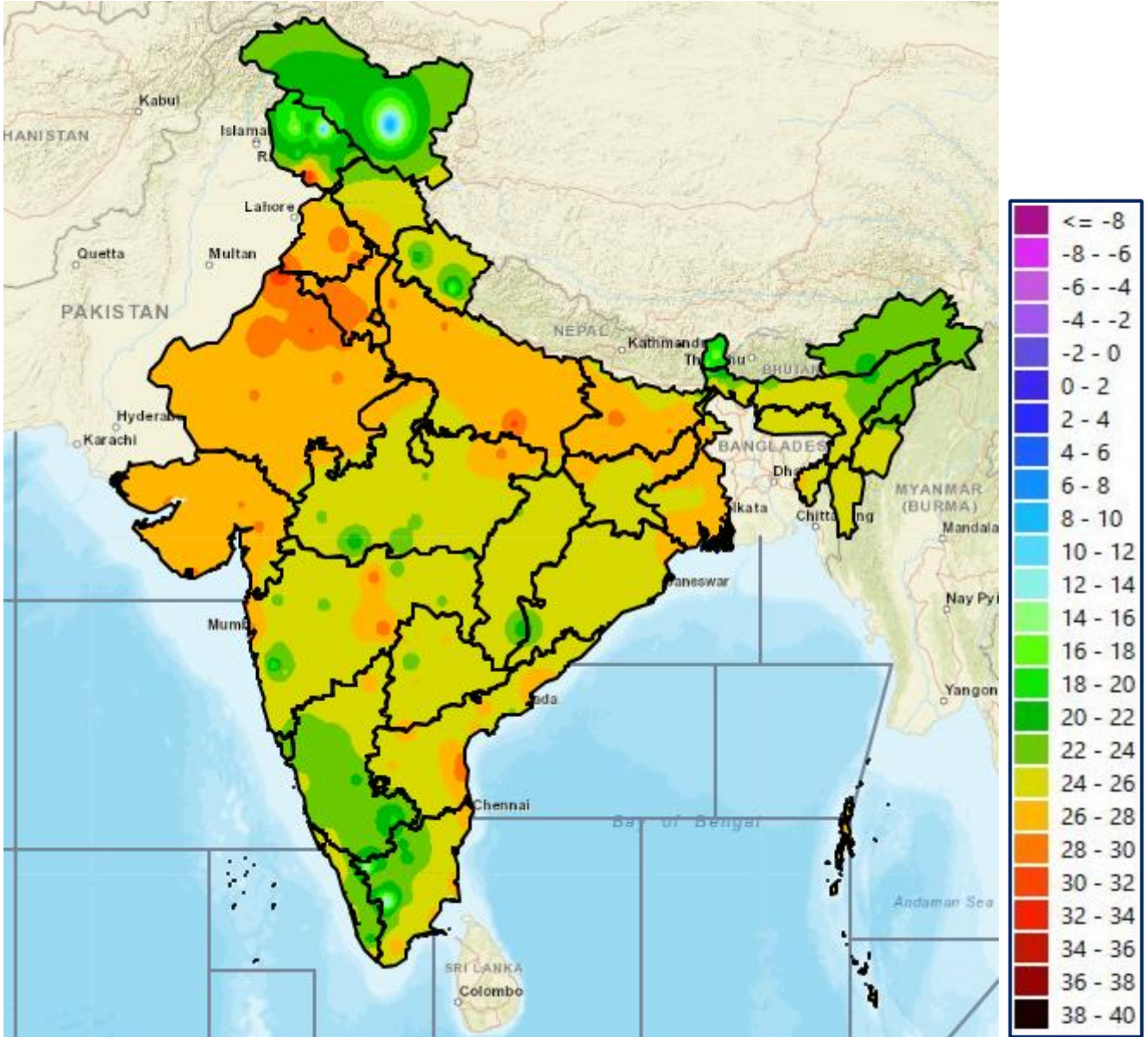
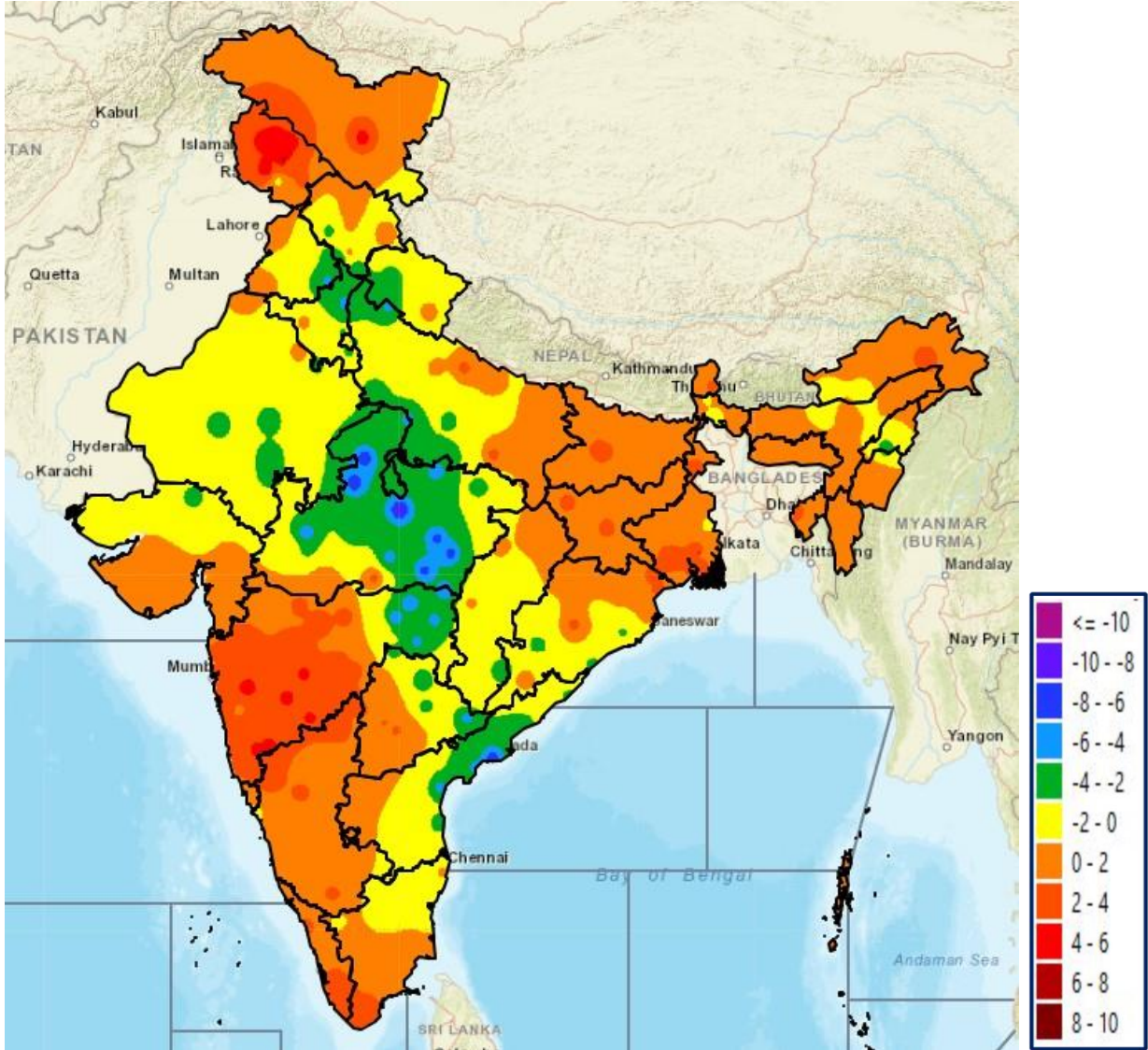


Fig. 4: Departure from Normal of Maximum Temperatures Dated 23.06.2023



* 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 23.06.2023

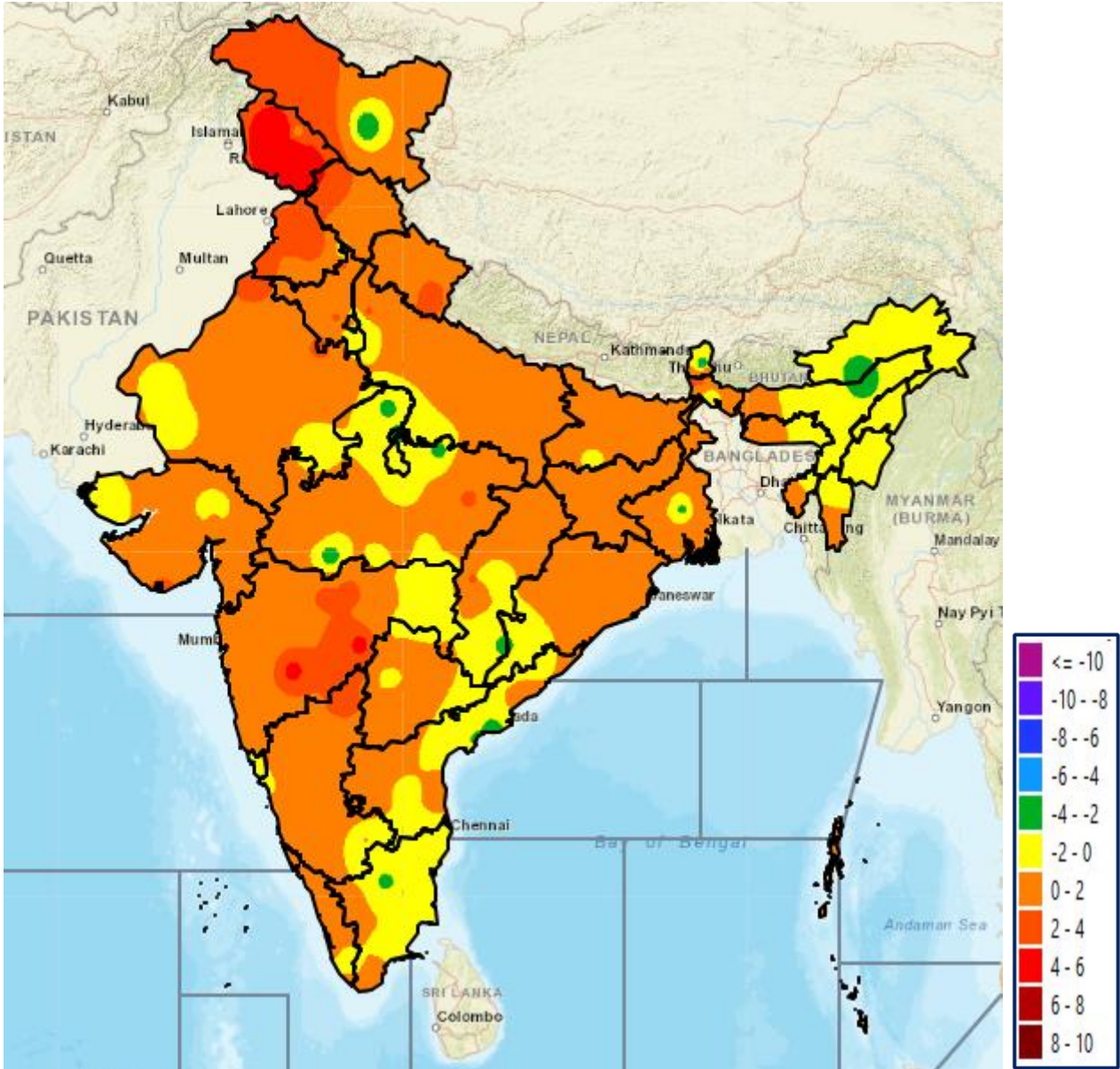
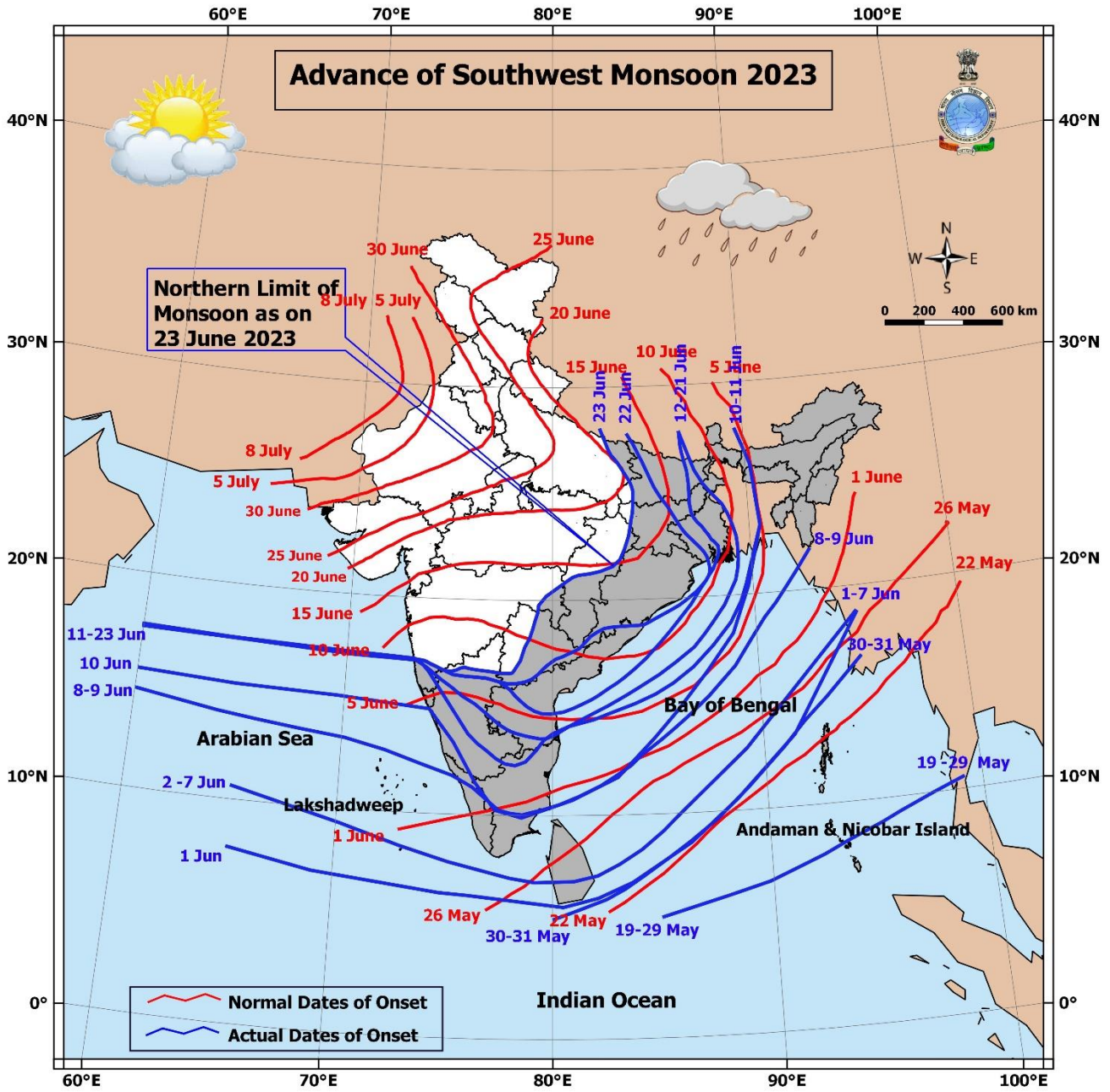
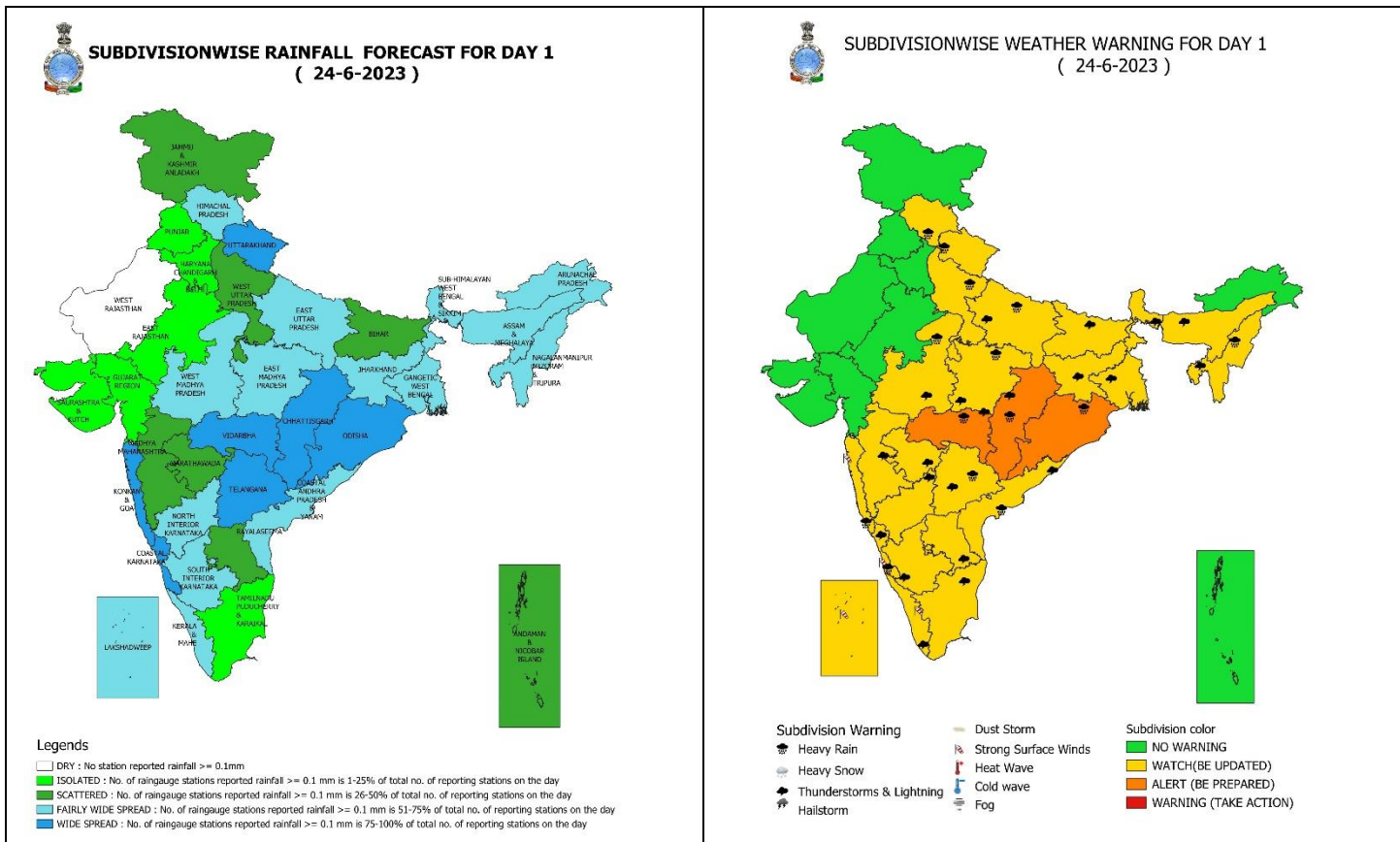




Fig. 6: Advance of Southwest Monsoon

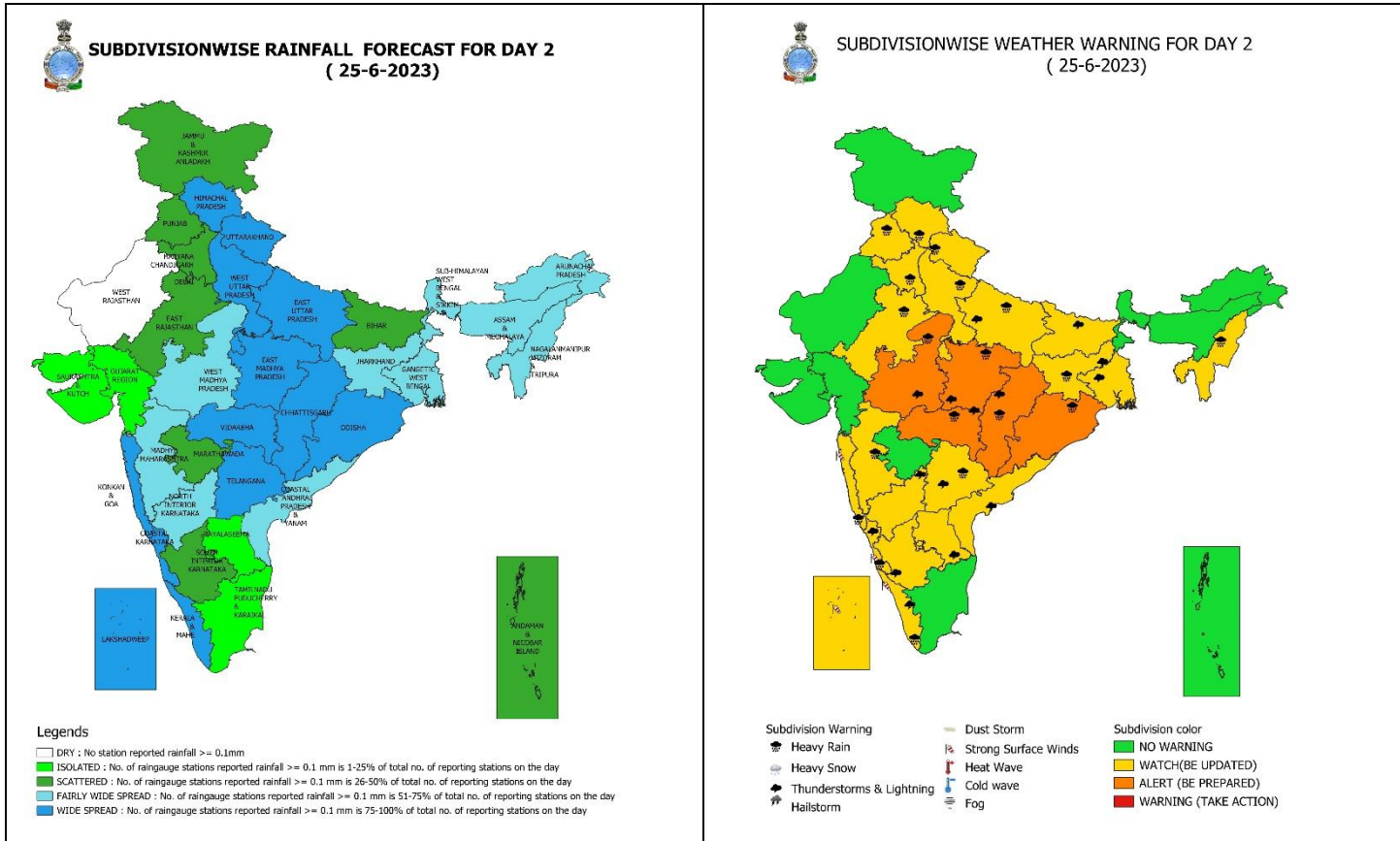




24 June (Day 1): ♦ **Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Chhattisgarh; Heavy to very heavy rainfall at isolated places over Odisha, Uttarakhand, East Madhya Pradesh and Telangana and heavy rainfall at isolated places over Nagaland, Manipur, Mizoram, East Uttar Pradesh, northwest Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, Konkan & Goa, Vidarbha, Coastal Andhra Pradesh & Yanam and Coastal Karnataka.**

♦ **Thunderstorm with lightning & gusty winds (speed 40-50 kmph)** very likely at isolated places over Coastal Andhra Pradesh & Yanam; **with lightning & gusty winds (speed 30-40 kmph)** at isolated places over Telangana, Interior Karnataka and Rayalaseema; **with lightning** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, Jharkhand, Bihar, East Uttar Pradesh, Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka and Kerala & Mahe.

♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over westcentral & southwest Arabian Sea and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.



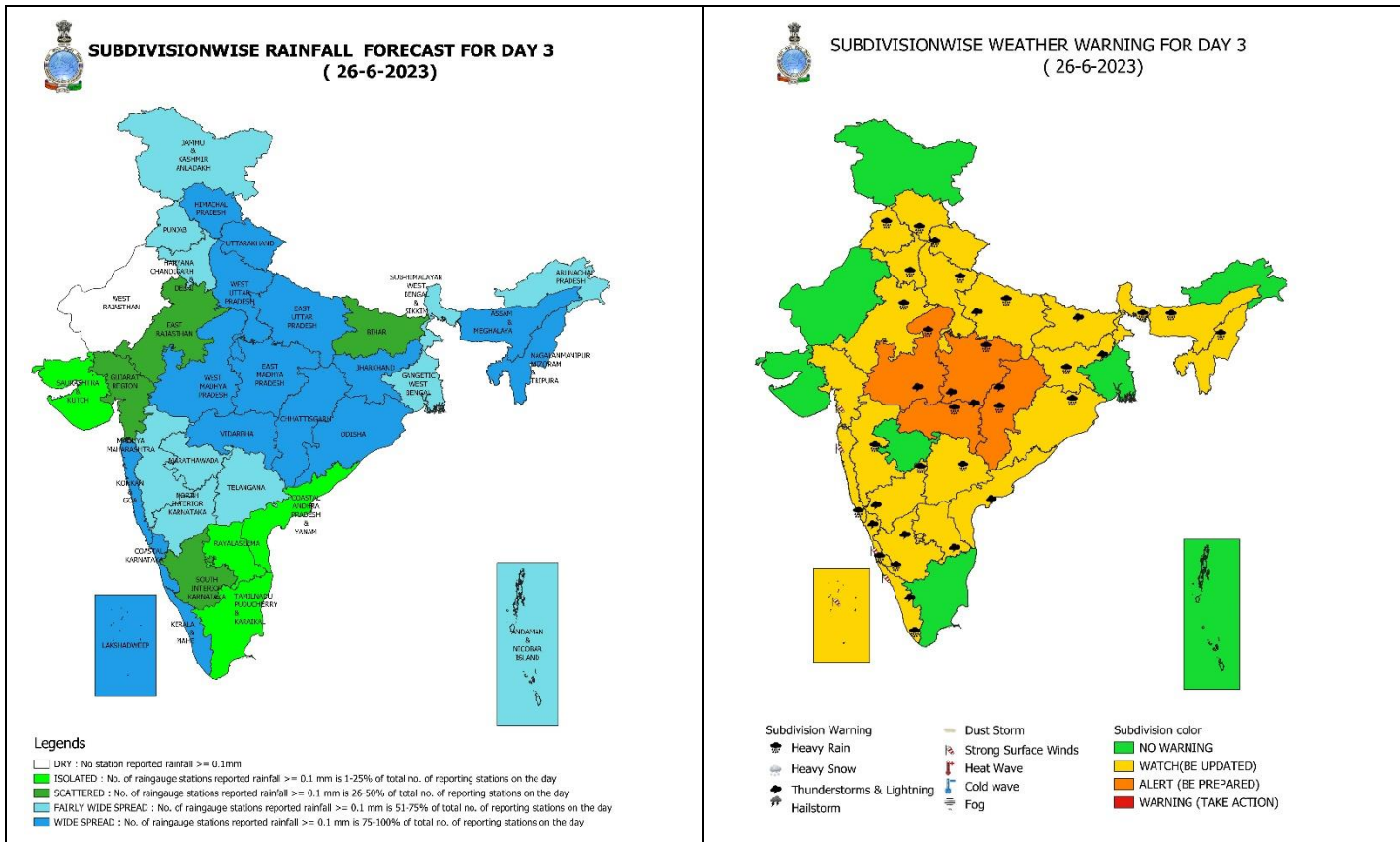
25 June (Day 2): ♦ **Heavy to very heavy rainfall very likely** at isolated places over Odisha, Uttarakhand, Himachal Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Telangana and **heavy rainfall** at isolated places over Nagaland, Manipur, Mizoram, Jharkhand, Uttar Pradesh, Punjab, Haryana-Chandigarh, East Rajasthan, Konkan & Goa, ghat areas of Madhya Maharashtra, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Kerala & Mahe; **with lightning** at isolated places over Gangetic West Bengal, Jharkhand, Bihar, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Coastal Karnataka.

♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over westcentral & southwest Arabian Sea and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

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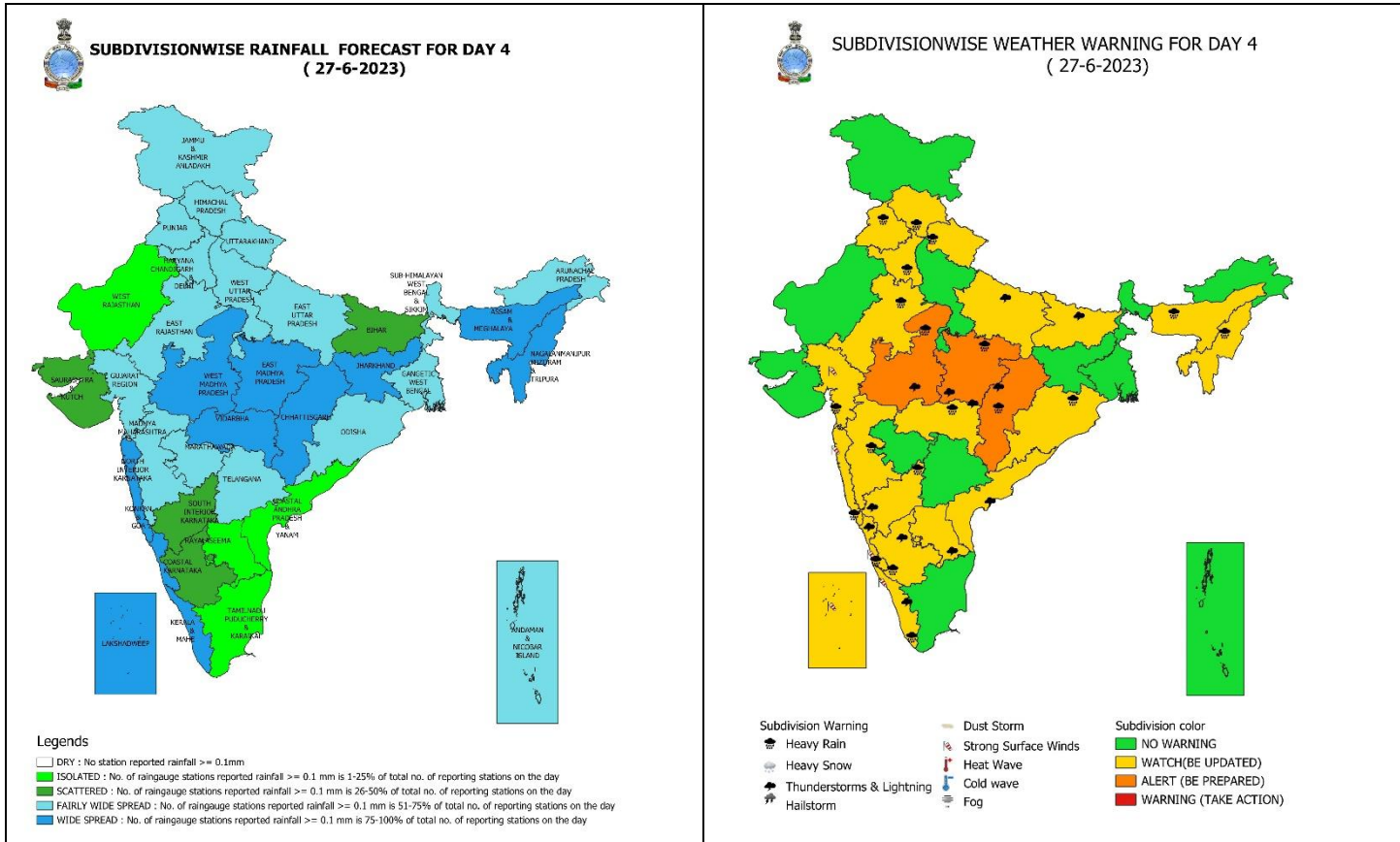
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26 June (Day 3): ♦ **Heavy to very heavy rainfall very likely** at isolated places over Odisha, Uttarakhand, Himachal Pradesh, Madhya Pradesh, Konkan & Goa, Vidarbha, Chhattisgarh and Coastal Karnataka and **heavy rainfall** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram, Sub-Himalaya West Bengal & Sikkim, Jharkhand, Uttar Pradesh, Punjab, Haryana-Chandigarh, East Rajasthan, ghat areas of Madhya Maharashtra, Telangana, Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe; **with lightning** at isolated places over Jharkhand, Bihar, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Karnataka.

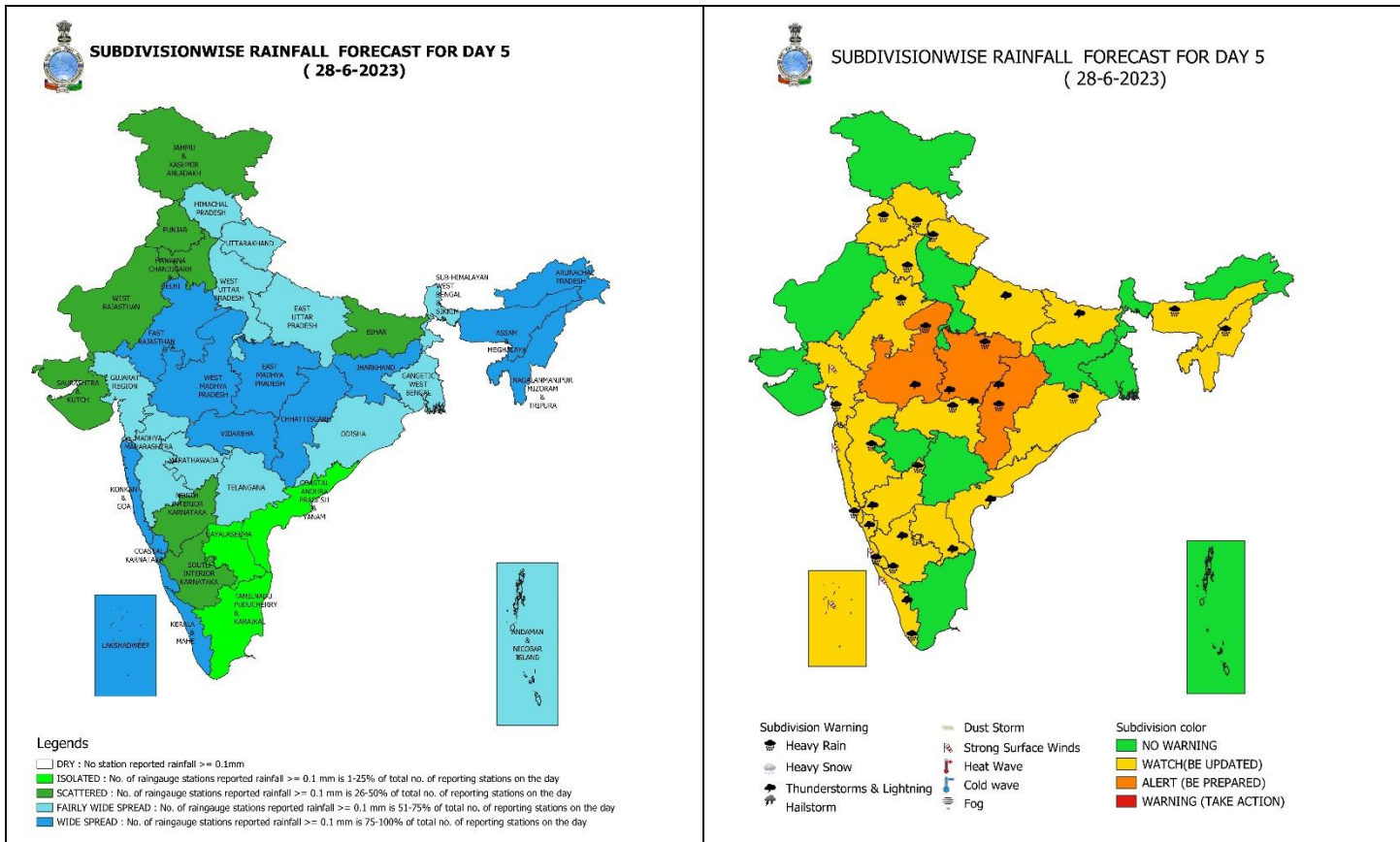
♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over Westcentral Bay of Bengal, westcentral & southwest Arabian Sea, south Gujarat coast and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.



27 June (Day 4): ♦ **Heavy to very heavy rainfall very likely** at isolated places over Madhya Pradesh, Konkan & Goa, Vidarbha, Chhattisgarh, Coastal Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram, Odisha, Uttarakhand, Punjab, Haryana-Chandigarh, Himachal Pradesh, East Rajasthan, Gujarat Region, ghat areas of Madhya Maharashtra and Interior Karnataka.

♦ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe; **with lightning** at isolated places over Bihar, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Karnataka.

♦ **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph likely over westcentral & southwest Arabian Sea, south Gujarat coast and Gulf of Mannar. **Squally weather speed reaching 40-45 kmph gusting to 50 kmph** very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.



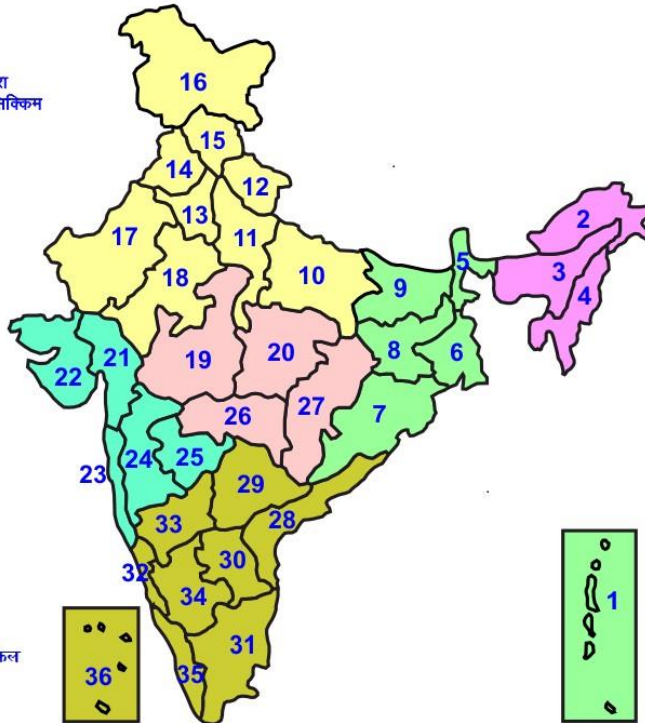
28 June (Day 5): ♦ Heavy to very heavy rainfall very likely at isolated places over East Rajasthan, Gujarat Region, Madhya Pradesh, Konkan & Goa, Vidarbha, Chhattisgarh, Coastal Karnataka and Kerala & Mahe and heavy rainfall at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram, Odisha, Uttarakhand, Punjab, Haryana-Chandigarh, Himachal Pradesh, ghat areas of Madhya Maharashtra and Interior Karnataka.

♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph) likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe; with lightning at isolated places over Bihar, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh and Karnataka.

♦ Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely over westcentral & southwest Arabian Sea, south Gujarat coast and Gulf of Mannar. Squally weather speed reaching 40-45 kmph gusting to 50 kmph very likely along & off Kerala-Karnataka-Maharashtra coasts, Lakshadweep area, southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

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 गंगेय 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

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)

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