

Friday, June 09, 2023 Time of Issue: 0830 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. 13.5°N/ Long. 55°E, lat. 14.0°N/ Long. 60°E, lat. 13.5°N/ Long. 65°E, lat. 13°N/ Long. 70°E, Cannur, Kodaikanal, Adirampattinam, lat. 12.0°N/ Long. 83.0°E, 16.0°N/88.0°E, 18.5°N/90.0°E, 22.0°N/93.0°E.
- Conditions are favourable for further advance of Southwest monsoon into some more parts of central Arabian Sea, remaining parts of Kerala, some more parts of Tamil Nadu, some parts of Karnataka and some more parts of southwest, Central and northeast Bay of Bengal and some parts of northeastern states during next 24 hours.

Very Severe Cyclonic Storm "Biparjoy" (pronounced as "Biporjoy") over eastcentral Arabian Sea:

The **Very Severe Cyclonic Storm "Biparjoy" (pronounced as "Biporjoy")** over eastcentral Arabian Sea moved slowly north-northeastwards with a speed of 3 kmph during past 6-hours and lay centered at 0530 hours IST of today, the 09th June, 2023 over the same region near latitude 14.7°N and longitude 66.2°E, about 820 km west of Goa, 840 km west-southwest of Mumbai, 850 km south-southwest of Porbandar and 1140 km south of Karachi. It would intensify further gradually during next 48 hours and move nearly north-northeastwards during next 48 hour and north-northwestwards during subsequent 3 days.

Fishermen Warning:

- Total suspension of fishing operations over
 - o eastcentral and adjoining westcentral & south Arabian Sea till 12th June.
 - o north and adjoining central Arabian Sea during 12th -14th June.
- Fishermen are advised not to venture into:
 - Central Arabian Sea till 13th June.
 - Adjoining areas of north Arabian Sea during 12th -14th June.
- Those out at sea are advised to return to coast.

Other Significant Meteorological features:

- ❖ A Western Disturbance lies over Uttarakhand at middle tropospheric levels.
- A cyclonic circulation lies over north Coastal Andhra Pradesh & neighbourhood at middle tropospheric levels.

Forecast and warning over the country during next 5 days:

South India:

- Light/moderate fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Kerala, Lakshadweep, Coastal & South Interior Karnataka; isolated to scattered activity over North Interior Karnataka, Tamil Nadu and Andhra Pradesh during next 5 days.
- ♦ Heavy rainfall very likely at isolated places over Andaman & Nicobar Islands on 09th & 10th; Kerala during 09th-13th; Lakshadweep during 09th-11th; and Coastal & South Interior Karnataka during 10th-13th June.

Northeast India:

❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning very likely over the region during next 5 days. **Very Heavy rainfall** very likely at isolated places over Manipur, Mizoram & Tripura on 09th and Assam & Meghalaya on 12th & 13th; isolated **heavy rainfall** over Arunachal Pradesh and Assam & Meghalaya and Manipur & Mizoram during 09th-13th June.

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

Heat Wave warning:

- **♦ Heat wave to severe heat wave conditions** very likely to continue in some pockets over Bihar during 09th to 11th June and heat wave in isolated pockets on 12th & 13th June.
- **♦ Heat wave conditions** very likely to continue in isolated pockets over Uttar Pradesh, Jharkhand & Gangetic West Bengal during 09th-11th and over Sub-Himalayan West Bengal & Sikkim and Odisha on 09th & 10th June.



Main Weather Observations

- Rainfall/thundershowers observed (from 0830 hours IST to 1730 hours IST of yesterday): at many places over Kerala & Mahe; at a few places over Nagaland, Manipur, Mizoram & Tripura and Lakshadweep; at isolated places Himachal Pradesh, Uttarakhand, Punjab, West, Assam & Meghalaya, Madhya Maharashtra, Telangana and Tamil Nadu, Puducherry & Karaikal.
- ❖ Heavy Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday): Heavy rainfall at isolated places over Tripura.
- ❖ Significant rainfall recorded (in cm) (from from 0830 hours IST to 1730 hours IST of yesterday): Agartala -9; Udhagmandalam-3; Aminidivi-2 and Kottayam-1.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Rajasthan, Odisha, Sub-Himalayan West Bengal & Sikkim, Assam, Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal Karnataka and Tamilnadu, Puducherry & Karaikal.
- **Hailstorm observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and West Madhya Pradesh.
- ❖ Yesterday, **Heat Wave to Severe Heat Wave conditions** prevailed in some parts of Bihar; **Heat Wave conditions** in some parts of Gangetic West Bengal. This was 8th day of Heat Wave conditions over the above areas. **Heat Wave conditions** also observed in isolated pockets over Odisha and Coastal Andhra Pradesh.
- * Minimum Temperature Departures (as on 08-06-2023): Minimum temperatures were markedly above normal (5.1°C or more) at isolated places over Madhya Maharashtra; appreciably above normal (3.1°C to 5.0°C) at a few places over Bihar, Sub-Himalayan West Bengal & Sikkim, Rayalaseema; at isolated places over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at a few places over Marathwada, Telangana, Odisha, Assam & Meghalaya, North Interior Karnataka; at isolated places over Gujarat Region, Konkan & Goa. They were markedly below normal (-5.1°C or less) at isolated places over West Rajasthan, Haryana, Chandigarh & Delhi; appreciably below normal (-3.1°C to -5.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Rajasthan; at a few places over Punjab, Madhya Pradesh; below normal (-1.6°C to -3.0°C) at many places over Himachal Pradesh, Uttarakhand; at a few places over Uttar Pradesh; at isolated places over Vidarbha, Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 18.5°C was reported at Sikar (East Rajasthan) over the plains of the country.
- ❖ Maximum Temperature Departures (as on 08-06-2023): Maximum temperatures were markedly above normal (5.1°C or more) at many places over Bihar and Assam & Meghalaya; at a few places over Arunachal Pradesh and at isolated places over Coastal Andhra Pradesh & Yanam; appreciably above normal (3.1°C to 5.1°C) at many places over Jharkhand, Odisha, Madhya Maharashtra; at a few places over Marathawada, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal and at isolated places over Konkan & Goa; above normal (1.6°C to 3.0°C) at many places over Uttarakhand, East Uttar Pradesh, Vidarbha and Chhattisgarh; at a few places over East Madhya Pradesh and Rayalaseema and at isolated places over Saurashtra & Kutch. They were below normal (-1.6°C to -3.0°C) at many places over Andaman & Nicobar Islands; at a few places over Himachal Pradesh and Haryana, Chandigarh & Delhi; at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, West Rajasthan and West Madhya Pradesh and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 45.1°C was reported at Jhansi (West Uttar Pradesh).



Meteorological Analysis (Based on 0530 hours IST)

- ❖ The Northern Limit of Monsoon (NLM) continues to pass through lat. 13.5°N/ Long. 55°E, lat. 14.0°N/ Long. 60°E, lat. 13.5°N/ Long. 65°E, lat. 13°N/ Long. 70°E, Cannur, Kodaikanal, Adirampattinam, lat. 12.0°N/ Long. 83.0°E, 16.0°N/88.0°E, 18.5°N/90.0°E, 22.0°N/93.0°E.
- ❖ Conditions are favourable for further advance of Southwest monsoon into some more parts of central Arabian Sea, remaining parts of Kerala, some more parts of Tamil Nadu, some parts of Karnataka and some more parts of southwest, Central and northeast Bay of Bengal and some parts of northeastern states during next 24 hours.
- ❖ The Very Severe Cyclonic Storm "Biparjoy" (pronounced as "Biporjoy") over eastcentral Arabian Sea moved slowly north-northeastwards with a speed of 3 kmph during past 6-hours and lay centered at 0530 hours IST of today, the 09th June, 2023 over the same region near latitude 14.7°N and longitude 66.2°E, about 820 km west of Goa, 840 km west-southwest of Mumbai, 850 km south-southwest of Porbandar and 1140 km south of Karachi. It would intensify further gradually during next 48 hours and move nearly north-northeastwards during next 48 hour and north-northwestwards during subsequent 3 days.
- ❖ The Western Disturbance as a cyclonic circulation over Uttarakhand at 5.8 km above mean sea level persists.
- ❖ The cyclonic circulation over north Coastal Andhra Pradesh & neighbourhood at 1.5 km above mean sea level persists.
- ❖ The cyclonic circulation over eastcentral Bay of Bengal off Myanmar coast extending upto 5.8 km above mean sea level persists.

Weather Forecast for next 5 days (Upto 0830 hours IST of 14th June, 2023)

- ❖ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.
- Maximum Temperatures Forecast:
 - **Northwest India:** Rise in maximum temperatures by about 2°C very likely over plains of Northwest India (except Rajasthan) 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 14th -16th June, 2023)

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



Weather Warning during next 5 days

09 June (Day 1): ◆ Heavy to very heavy rainfall very likely at isolated places over Manipur, Mizoram, Tripura and **heavy rainfall** at isolated places over Kerala & Mahe, Lakshadweep, Andaman & Nicobar Islands, Arunachal Pradesh and Assam & Meghalaya.

- ♦ Thunderstorm with lightning & gusty winds (speed 40-50 kmph) very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema; with lightning & gusty winds (speed 30-40 kmph) at isolated places over Andaman & Nicobar Islands, Rajasthan, West Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana, Karnataka, Lakshadweep and Kerala & Mahe; with lightning at isolated places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya and Tamil Nadu, Puducherry & Karaikal.
- ◆ Heat Wave to severe heat wave conditions very likely in some parts of Bihar and heat wave conditions in isolated pockets over Uttar Pradesh, Odisha, [harkhand, West Bengal and Telangana.
- ♦ Gale wind speed reaching 145-155 kmph gusting to 170 kmph is likely to prevail over central Arabian Sea. Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely over adjoining areas of South Arabian Sea. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Goa-Maharashtra-Gujarat coasts; with wind speed reaching 35-45 kmph gusting to 55 kmph over Kerala-Karnataka coasts and Lakshadweep area.
- **10 June (Day 2): ◆ Heavy rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Manipur, Mizoram, Tripura, Coastal & South Interior Karnataka, Lakshadweep and Kerala & Mahe.
- ◆ Thunderstorm with lightning & gusty winds (speed 40-50 kmph) very likely at isolated places over Uttarakhand, Coastal Andhra Pradesh & Yanam, Rayalaseema; with lightning & gusty winds (speed 30-40 kmph) at isolated places over Andaman & Nicobar Islands, Rajasthan, East Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana, Karnataka, Lakshadweep and Kerala & Mahe; with lightning at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal.
- ◆ Heat Wave to severe heat wave conditions very likely in some parts of Bihar and heat wave conditions in isolated pockets over Uttar Pradesh, Odisha, Jharkhand and West Bengal & Sikkim.
- ♦ Gale wind speed reaching 145-155 kmph gusting to 170 kmph is likely to prevail over central Arabian Sea. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over adjoining areas of north & south Arabian Sea. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Goa-Maharashtra-Gujarat coasts; with wind speed reaching 35-45 kmph gusting to 55 kmph over Kerala-Karnataka coasts and Lakshadweep area.
- 11 June (Day 3): Heavy rainfall very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Coastal & South Interior Karnataka, Lakshadweep and Kerala & Mahe.
- ♦ Hailstorm with lightning & gusty winds (speed 40-50 kmph) very likely at isolated places over Uttarakhand.
- ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph) very likely at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada, Andaman & Nicobar Islands; with lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, West Bengal & Sikkim, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Kerala & Mahe.
- ♦ Heat Wave to severe heat wave conditions very likely in isolated pockets of Bihar and heat wave conditions in isolated pockets over Uttar Pradesh, Jharkhand and Gangetic West Bengal.
- Gale wind speed reaching 135-145 kmph gusting to 160 kmph is likely to prevail over central & adjoining north Arabian Sea. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Gujarat coasts; with wind speed reaching 35-45 kmph gusting to 55 kmph over Kerala-Karnataka- Goa-Maharashtra coasts and Lakshadweep area.
- 12 June (Day 4): ♦ Heavy to very heavy rainfall likely at isolated places over Assam & Meghalaya and heavy rainfall at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Coastal & South Interior Karnataka, Lakshadweep and Kerala & Mahe.
- ◆ Hailstorm with lightning & gusty winds (speed 40-50 kmph) likely at isolated places over Uttarakhand.
- ◆ Thunderstorm with lightning & gusty winds (speed 30-40 kmph) likely at isolated places over Madhya Pradesh, Madhya Maharashtra, Marathwada, Andaman & Nicobar Islands; with lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Kerala & Mahe.
- ♦ **Heat Wave conditions** likely in isolated pockets of Bihar.
- Gale wind speed reaching 130-140 kmph gusting to 155 kmph is likely to prevail over central & adjoining north Arabian Sea and become 125-135 kmph gusting to 150 kmph from evening of 12th June. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Kerala-Karnataka-Maharashtra-Gujarat coasts and Lakshadweep area.
- **13 June (Day 5): ◆ Heavy to very heavy rainfall** likely at isolated places over Assam & Meghalaya and **heavy rainfall** at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Coastal & South Interior Karnataka, Lakshadweep and Kerala & Mahe.
- ♦ Hailstorm with lightning & gusty winds (speed 40-50 kmph) likely at isolated places over Uttarakhand.
- ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph) likely at isolated places over Madhya Pradesh, Madhya Maharashtra, Marathwada, Andaman & Nicobar Islands; with lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Kerala & Mahe.
- ◆ Heat Wave conditions likely in isolated pockets of Bihar.
- ♦ Gale wind speed reaching 130-140 kmph gusting to 155 kmph is likely to prevail over central & adjoining north Arabian Sea and become 125-135 kmph gusting to 150 kmph from evening of 12th June. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Kerala-Karnataka-Maharashtra-Gujarat coasts and Lakshadweep area.



Table-1

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

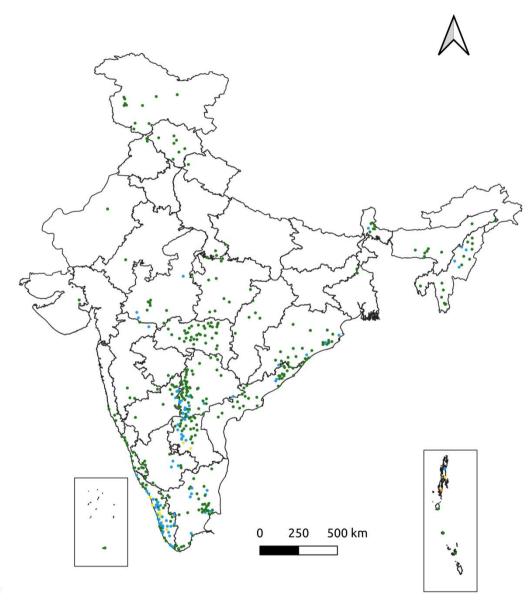
Legend	Category	% Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0



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



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 7-6-2023 to 0830 IST of 8-6-2023



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)

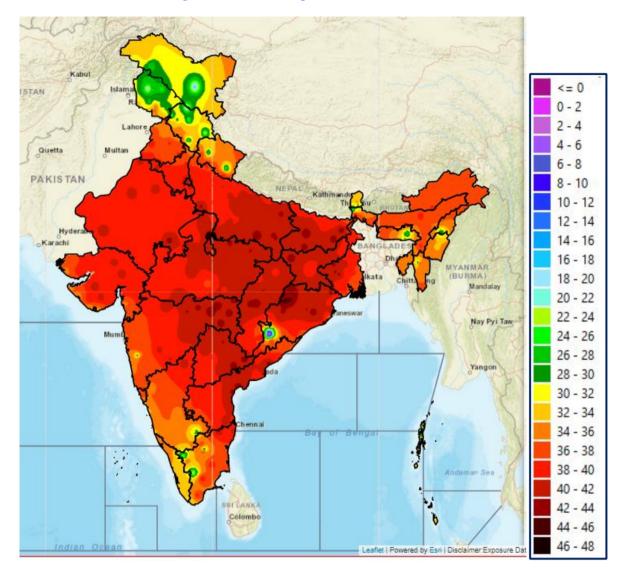


Fig. 2: Maximum Temperatures Dated 08.06.2023



Fig. 3: Minimum Temperatures Dated 08.06.2023

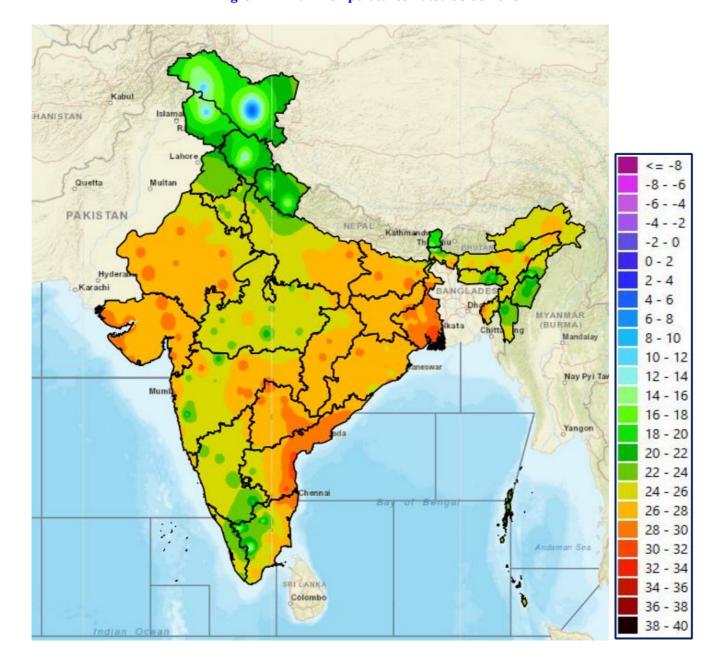




Fig. 4: Departure from Normal of Maximum Temperatures Dated 08.06.2023

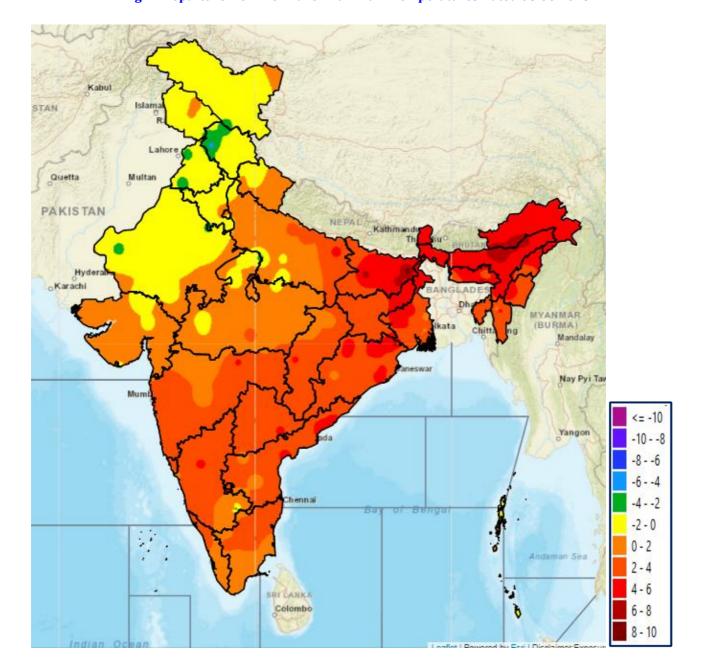
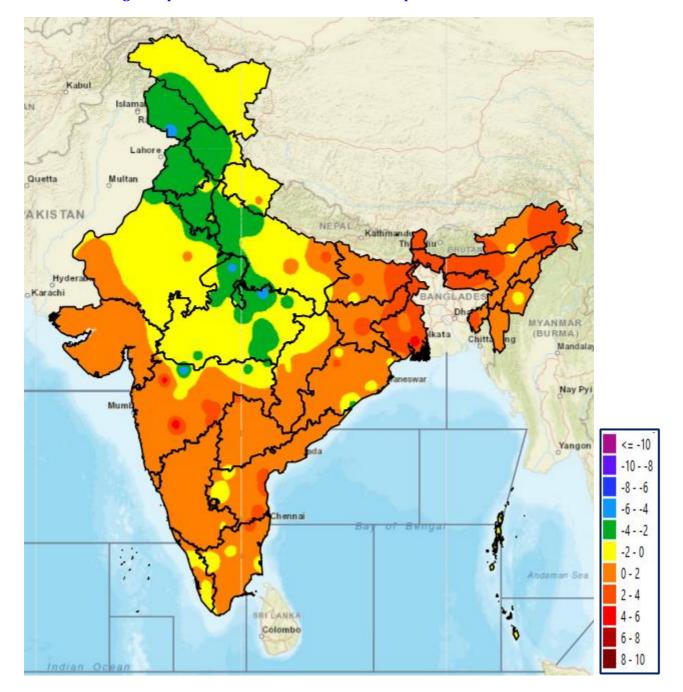




Fig. 5: Departure from Normal of Minimum Temperatures Dated 08.06.2023



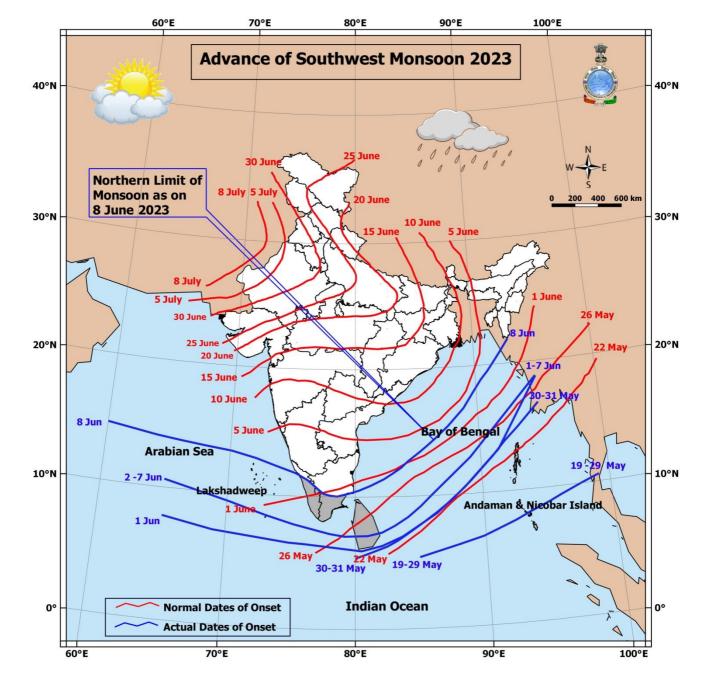
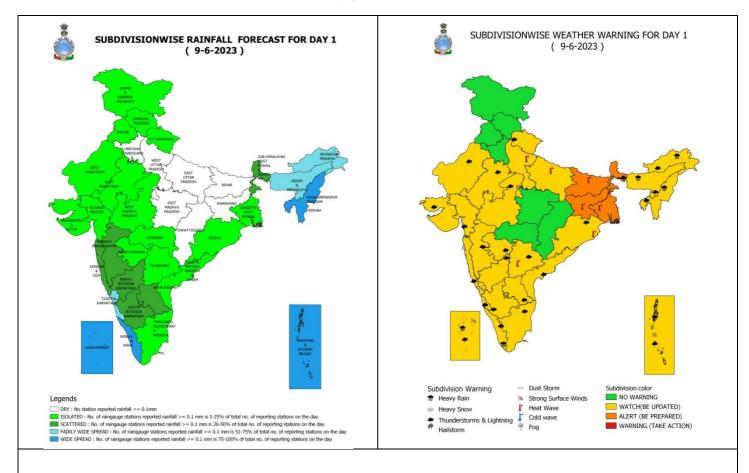


Fig. 6: Advance of Southwest Monsoon

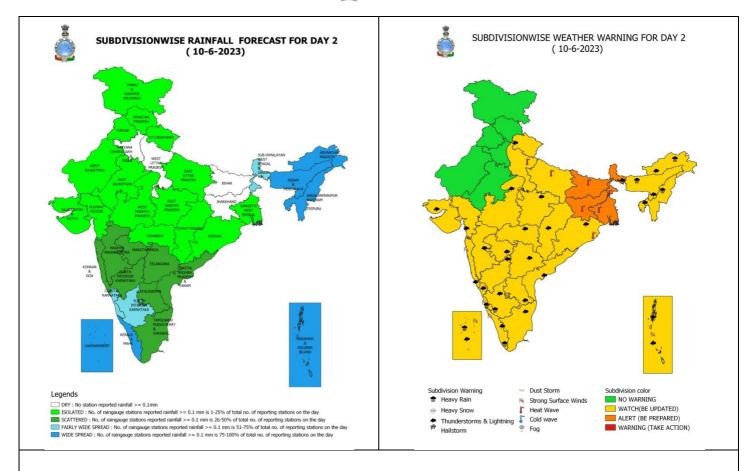




09 June (Day 1): ♦ Heavy to very heavy rainfall very likely at isolated places over Manipur, Mizoram, Tripura and heavy rainfall at isolated places over Kerala & Mahe, Lakshadweep, Andaman & Nicobar Islands, Arunachal Pradesh and Assam & Meghalaya.

- ♦ Thunderstorm with lightning & gusty winds (speed 40-50 kmph) very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema; with lightning & gusty winds (speed 30-40 kmph) at isolated places over Andaman & Nicobar Islands, Rajasthan, West Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana, Karnataka, Lakshadweep and Kerala & Mahe; with lightning at isolated places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya and Tamil Nadu, Puducherry & Karaikal.
- ♦ Heat Wave to severe heat wave conditions very likely in some parts of Bihar and heat wave conditions in isolated pockets over Uttar Pradesh, Odisha, Jharkhand, West Bengal and Telangana.
- ♦ Gale wind speed reaching 145-155 kmph gusting to 170 kmph is likely to prevail over central Arabian Sea. Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely over adjoining areas of South Arabian Sea. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Goa-Maharashtra-Gujarat coasts; with wind speed reaching 35-45 kmph gusting to 55 kmph over Kerala-Karnataka coasts and Lakshadweep area.

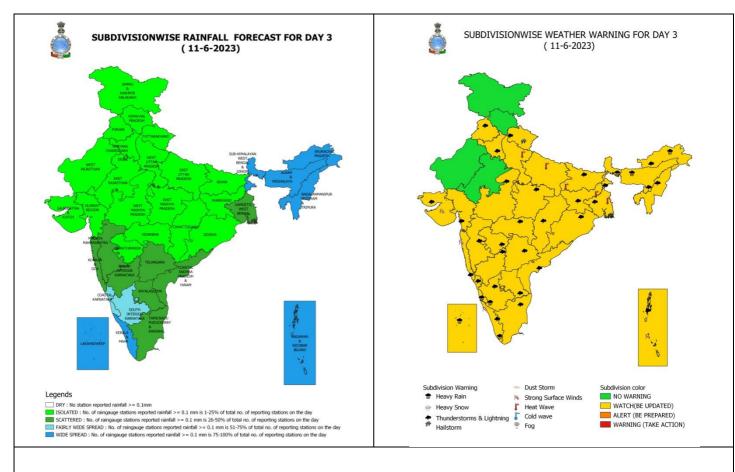




10 June (Day 2): ◆ Heavy rainfall very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Manipur, Mizoram, Tripura, Coastal & South Interior Karnataka, Lakshadweep and Kerala & Mahe.

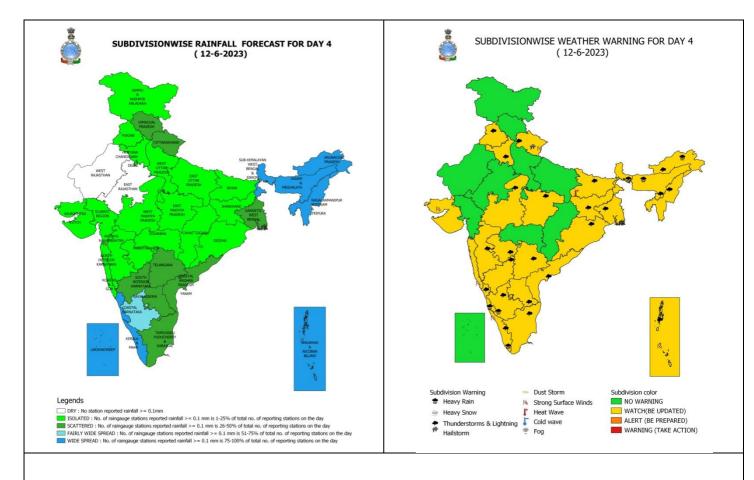
- ♦ Thunderstorm with lightning & gusty winds (speed 40-50 kmph) very likely at isolated places over Uttarakhand, Coastal Andhra Pradesh & Yanam, Rayalaseema; with lightning & gusty winds (speed 30-40 kmph) at isolated places over Andaman & Nicobar Islands, Rajasthan, East Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana, Karnataka, Lakshadweep and Kerala & Mahe; with lightning at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal.
- ♦ Heat Wave to severe heat wave conditions very likely in some parts of Bihar and heat wave conditions in isolated pockets over Uttar Pradesh, Odisha, Iharkhand and West Bengal & Sikkim.
- ♦ Gale wind speed reaching 145-155 kmph gusting to 170 kmph is likely to prevail over central Arabian Sea. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over adjoining areas of north & south Arabian Sea. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Goa-Maharashtra-Gujarat coasts; with wind speed reaching 35-45 kmph gusting to 55 kmph over Kerala-Karnataka coasts and Lakshadweep area.





- **11 June (Day 3): ◆ Heavy rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Coastal & South Interior Karnataka, Lakshadweep and Kerala & Mahe.
- ◆ Hailstorm with lightning & gusty winds (speed 40-50 kmph) very likely at isolated places over Uttarakhand.
- ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph) very likely at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada, Andaman & Nicobar Islands; with lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, West Bengal & Sikkim, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Kerala & Mahe.
- ♦ Heat Wave to severe heat wave conditions very likely in isolated pockets of Bihar and heat wave conditions in isolated pockets over Uttar Pradesh, Jharkhand and Gangetic West Bengal.
- ♦ Gale wind speed reaching 135-145 kmph gusting to 160 kmph is likely to prevail over central & adjoining north Arabian Sea. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Gujarat coasts; with wind speed reaching 35-45 kmph gusting to 55 kmph over Kerala-Karnataka- Goa-Maharashtra coasts and Lakshadweep area.

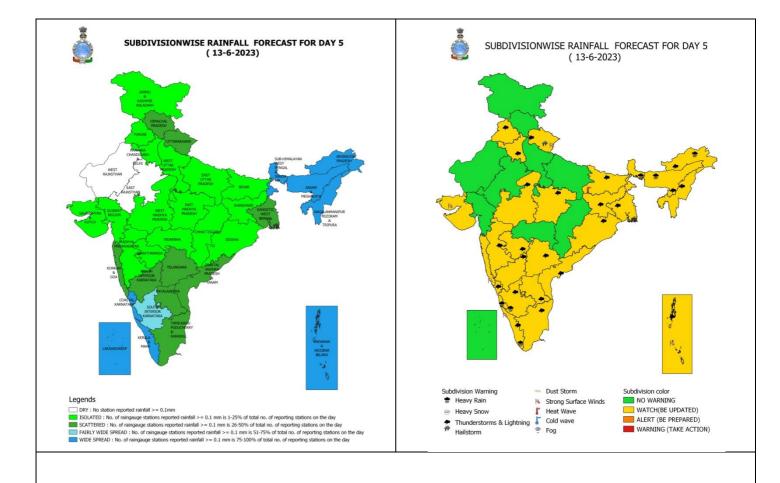




12 June (Day 4): ♦ Heavy to very heavy rainfall likely at isolated places over Assam & Meghalaya and heavy rainfall at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Coastal & South Interior Karnataka, Lakshadweep and Kerala & Mahe.

- ♦ Hailstorm with lightning & gusty winds (speed 40-50 kmph) likely at isolated places over Uttarakhand.
- ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph) likely at isolated places over Madhya Pradesh, Madhya Maharashtra, Marathwada, Andaman & Nicobar Islands; with lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Kerala & Mahe.
- ♦ **Heat Wave conditions** likely in isolated pockets of Bihar.
- ♦ Gale wind speed reaching 130-140 kmph gusting to 155 kmph is likely to prevail over central & adjoining north Arabian Sea and become 125-135 kmph gusting to 150 kmph from evening of 12th June. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Kerala-Karnataka-Maharashtra-Gujarat coasts and Lakshadweep area.

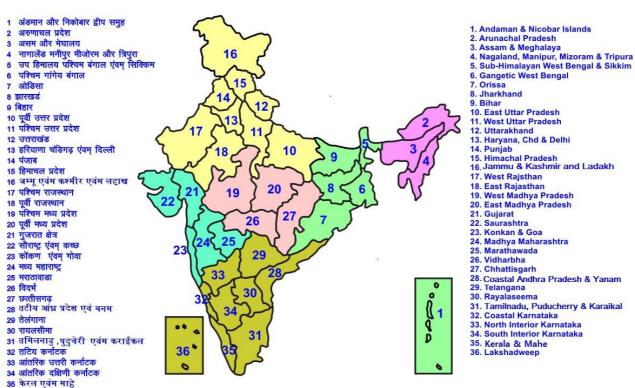




- **13** June (Day 5): ♦ Heavy to very heavy rainfall likely at isolated places over Assam & Meghalaya and heavy rainfall at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Coastal & South Interior Karnataka, Lakshadweep and Kerala & Mahe.
- ♦ Hailstorm with lightning & gusty winds (speed 40-50 kmph) likely at isolated places over Uttarakhand.
- ◆ Thunderstorm with lightning & gusty winds (speed 30-40 kmph) likely at isolated places over Madhya Pradesh, Madhya Maharashtra, Marathwada, Andaman & Nicobar Islands; with lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Kerala & Mahe.
- ◆ **Heat Wave conditions** likely in isolated pockets of Bihar.
- ♦ Gale wind speed reaching 130-140 kmph gusting to 155 kmph is likely to prevail over central & adjoining north Arabian Sea and become 125-135 kmph gusting to 150 kmph from evening of 12th June. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely along & off Kerala-Karnataka-Maharashtra-Gujarat coasts and Lakshadweep area.



LEGENDS



- Gangetic West Bengal

- 28. Coastal Andhra Pradesh & Yanam

- 31. Tamilnadu, Puducherry & Karaikal 32. Coastal Karnataka

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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

WARNING

WARNING (TAKE ACTION)

ALERT (BE PREPARED) WATCH (BE UPDATED)

NO WARNING (NO ACTION)

Probabilistic Forecast

Probability of Occurrence (%)
< 25
25 - 50
50 - 75
> 75



36 लक्षद्वीप

Heavy Rain

Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State



