



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

Press Release

Date: 04th May, 2023

Time of Issue: 1315 hours IST

**Subject: (i) A fresh spell of light to moderate rainfall likely over northwest India on 06th & 07th May.
(ii) Heavy to very heavy rainfall spells over Andaman & Nicobar Islands from 07th to 09th May.**

Weather observed during past 24 hours ending at 0830 hrs IST of today: ([Refer Annexure I for details](#))

Significant Meteorological features:

- ❖ A **Western Disturbance** seen as a cyclonic circulation over west Iran in middle tropospheric levels.
- ❖ A cyclonic Circulation lies over coastal Tamil Nadu in lower tropospheric levels.
- ❖ A cyclonic circulation is likely to develop over Southeast Bay of Bengal around 06th May, 2023. **Under its influence a low pressure area is likely to form over the same region around 07th May.** It is likely to concentrate into a depression over Southeast Bay of Bengal on 08th May. Thereafter, it is likely to intensify into a cyclonic storm while moving nearly northwards towards central Bay of Bengal. The details of its path and intensification will be provided after the formation of low pressure area. The system is under constant watch and being monitored regularly.

Forecast and warning for next 5 days:

In association with cyclogenesis over Bay of Bengal

- ❖ Light/moderate rainfall at most places with isolated heavy to very heavy rainfall very likely over Andaman & Nicobar Islands on 07th & 08th May.
 - a) Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over southeast Bay of Bengal and adjoining areas of Andaman & Nicobar Islands and Andaman Sea on 07th May.
 - b) wind speed would gradually increase becoming 50-60 kmph gusting to 70 kmph over southeast Bay of Bengal and adjoining areas of Andaman & Nicobar Islands and Andaman Sea from 08th night onwards.
 - c) wind speed would gradually increase becoming 60-70 kmph gusting to 80 kmph over southeast and adjoining central Bay of Bengal and 45-55 kmph gusting to 65 kmph over Andaman & Nicobar Islands and Andaman Sea from 10th onwards.

- ❖ **Sea condition** is likely to be rough on 07th and very rough from 08th onwards over southeast Bay of Bengal. It is likely to be very rough to high over southeast and adjoining central Bay of Bengal from 08th onwards and high to very high from 09th onwards.
- ❖ It is likely to be rough to very rough over Andaman Sea during 08th-11th May.

Advisory:

- Fishermen, small ships, boats and trawlers are advised not to venture into southeast Bay of Bengal and adjoining areas from 07th May onwards and into adjoining central Bay of Bengal from 09th onwards.
- Those who are over southeast Bay of Bengal are advised to return to safer places before 07th May and those over central Bay of Bengal are advised to return before 09th May.
- Regulation of tourism and offshore activities and shipping over Andaman and Nicobar Islands during 08th-11th May and
- Regulation of shipping activity over the sea areas of southeast and central Bay of Bengal during 08th-11th May.

Weather over rest parts of the country:

Northwest India:

- ❖ **A fresh spell of rainfall** likely to commence over the region from 05th May with scattered to fairly widespread rainfall/snowfall over Western Himalayan region and isolated to scattered rainfall with thunderstorm/lightning/gusty winds over plains of northwest India on 06th & 07th May, 2023.
- ❖ **Hailstorm** very likely at isolated places over Punjab and Haryana on 07th May.

South India:

- ❖ Scattered/fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal on 04th May, over South Interior Karnataka 07th & 08th May.

Northeast India:

- ❖ Light/moderate fairly widespread to widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 2 days.
- ❖ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh on 04th & 05th May and over Assam & Meghalaya 04th May.

No significant weather likely over rest parts of the country.

Maximum Temperatures, its Forecast and Heat Wave Warnings (Graphics in Annexure II):

- ❖ Yesterday, Maximum Temperatures were below 37°C over most parts of the country. These are below normal by 3-6°C over most parts of the country
- ❖ Maximum temperatures are very likely to increase and become near normal over the country around 07th May except coastal Odisha and coastal West Bengal, where these are likely to be above normal by 2-4°C by 08th May.
- ❖ **No Heat wave conditions likely over any part of India during next 5 days.**

For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

Agromet advisories for thunderstorms/lightning/gusty winds/ Hailstorm likely over various parts of the country:

- ❖ Postpone harvesting of green gram and black gram in Tamilnadu; wheat in Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- ❖ Complete harvesting of matured rice in Kerala and Interior Karnataka during clear weather.
- ❖ Continue harvesting of matured onion and fruits such as watermelon, muskmelon in Vidarbha during clear weather.
- ❖ Keep the harvested produce of crops in safe places.
- ❖ Drain out excess water from crop fields to avoid water stagnation in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Assam & Meghalaya, Tamil Nadu, Kerala, South Interior Karnataka and Andhra Pradesh.
- ❖ Use hail nets to protect orchards in Uttarakhand, East Madhya Pradesh and Vidarbha.
- ❖ Provide mechanical support to horticultural crops and staking to vegetables.

Annexure I

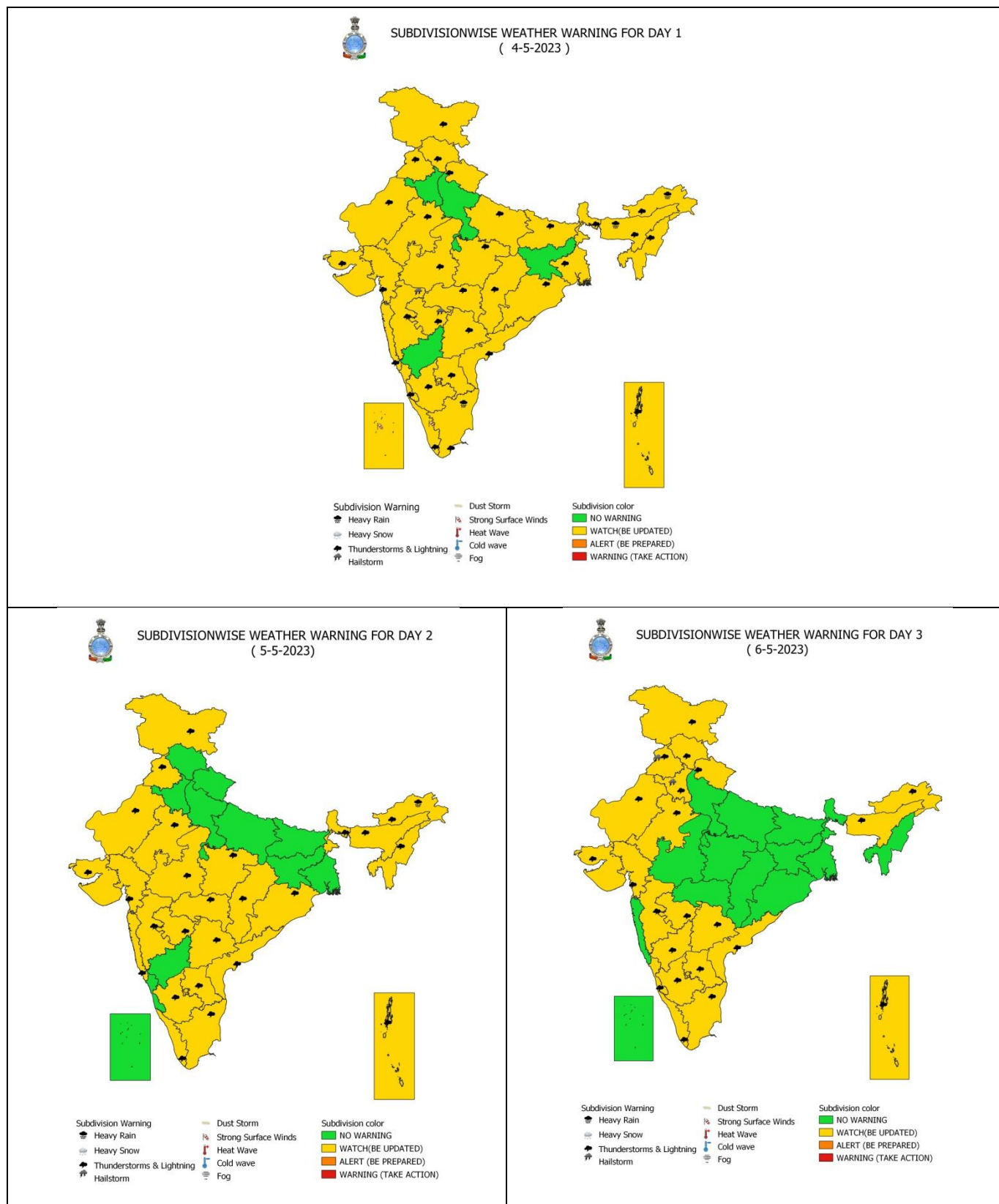
Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

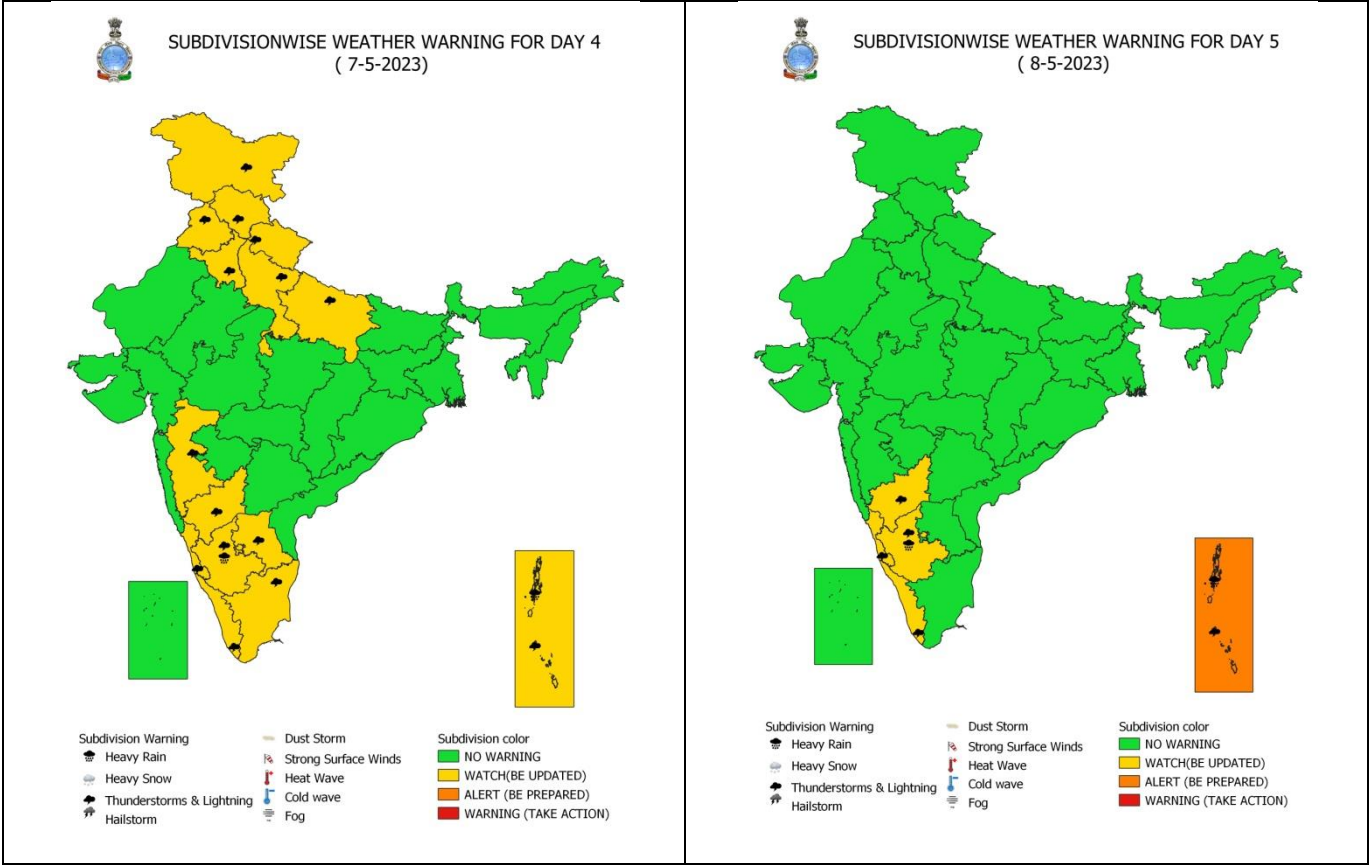
❖ **Rainfall/thundershowers observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places over** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Arunachal Pradesh; **at many places** over Haryana, Chandigarh & Delhi, Uttar Pradesh, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam; **at a few places** over West Madhya Pradesh, Bihar, Jharkhand, Odisha, Marathawada, Lakshadweep; **at isolated places** over Rajasthan, East Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat State, Madhya Maharashtra, Konkan & Goa, Karnataka, Rayalaseema, Telangana and Kerala & Mahe.

❖ **Heavy rainfall occurred** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy to very heavy rainfall** at isolated places over Tamil Nadu, Arunachal Pradesh and **heavy rainfall** at isolated places over Uttarakhand, Odisha, Assam & Meghalaya and Coastal Andhra Pradesh.

❖ **Significant rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today)(in cm): **Tamil Nadu:** Krishnagiri: Shoolagiri-15, Tiruvannamali: Cheyyar-12, Villupuram: Tindivanam-11, Pudukkottai: Manamelkudi-10, **Coastal Andhra Pradesh:** Veligandla (dist Prakasam) 8, Peddapuram (dist Kakinada) 7, Palasa (dist Srikakulam) 6, **Arunachal Pradesh:** Kamba Aws (dist West Siang) 12, **Assam & Meghalaya:** Dhupdhara Arg (dist Goalpara) 7, Barapani (dist Ri Bhoi) 6, Umiam_arg (dist Ri Bhoi) 6, **Uttarakhand:** Hardwar: Roorkee-7, **Himachal Pradesh:** Solan-4, Mandi, Shimla-3 each; **Haryana:** Rohtak, Sonapat, Rewari, Yamuna nagar-3 each, **Punjab:** Ropar, Mohali-3 each

❖ **Hailstorm Observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Punjab, Haryana, Delhi, West Uttar Pradesh, Rajasthan and Marathawada.





Fishermen warning graphics

Day 1: 04.05.2023/11:30AM to 05.05.2023/05:30AM



Day 2: 05.05.2023/05:30AM to 06.05.2023/05:30AM



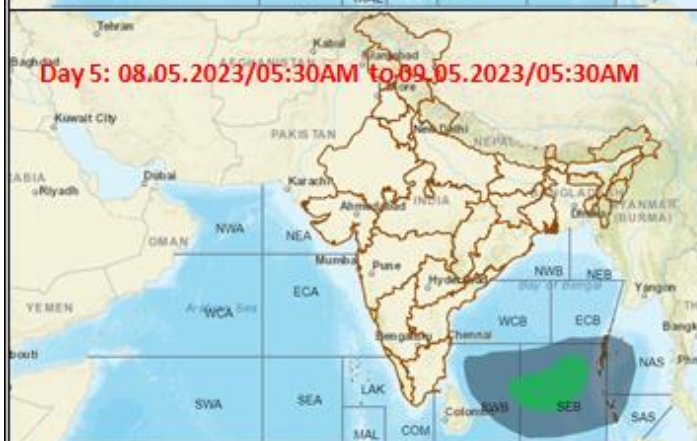
Day 3: 06.05.2023/05:30AM to 07.05.2023/05:30AM



Day 4: 07.05.2023/05:30AM to 08.05.2023/05:30AM



Day 5: 08.05.2023/05:30AM to 09.05.2023/05:30AM



Squally WX with wind speed 40-45 kmph gusting to 55 kmph

Squally WX with wind speed 40-50 kmph gusting to 60 kmph

Squally wind with wind speed 50-60 kmph gusting to 70 kmph

Fishermen are advised not to venture into the marked areas.














Legends:

❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.

❖ Region wise classification of meteorological Sub-Divisions:

- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal and 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)

Subdivision Warning	 Dust Storm	Subdivision color
 Heavy Rain	 Strong Surface Winds	 NO WARNING
 Heavy Snow	 Heat Wave	 WATCH(BE UPDATED)
 Thunderstorms & Lightning	 Cold wave	 ALERT (BE PREPARED)
 Hailstorm	 Fog	 WARNING (TAKE ACTION)

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