



Government of India  
Ministry of Earth Sciences  
India Meteorological Department

Press Release

Date: 03<sup>rd</sup> June, 2023

Time of Issue: 1315 hours IST

**Subject: Heat wave conditions likely to continue over Bihar and West Bengal & Sikkim during next 5 days.**

**Weather observed during past 24 hours ending at 0830 hrs IST of today: (Annexure I)**

**Advance of southwest monsoon:**

- ❖ The Northern Limit of Southwest Monsoon continues to pass through 10°N/65°E, 9°N/70°E, Minicoy, 7°N/81°E, 11°N/87°E, 14°N/90°E, 17°N/93°E & 19°N/95°E. (Annexure II).

**Significant Meteorological features:**

- ❖ The Western Disturbance as a trough in mid-tropospheric westerlies roughly along Long. 76°E and to the north of Lat. 30° and another fresh Western Disturbance seen as a cyclonic circulation over Iran & neighbourhood.
- ❖ A cyclonic circulation likely to develop over southeast Arabian Sea around 05<sup>th</sup> June. Under its influence a Low Pressure Area is likely to form over the same region during subsequent 48 hours.
- ❖ The cyclonic circulation over Eastcentral Bay of Bengal off Myanmar coast persists in mid-tropospheric levels.

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

- ❖ Thunderstorms accompanied by gusty winds likely over Rajasthan during next 3 days.
- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Kerala, Lakshadweep, South Interior Karnataka and isolated activity over Tamil Nadu and Andhra Pradesh during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Kerala on 05<sup>th</sup> June and over Andaman & Nicobar Islands during 03<sup>rd</sup>-06<sup>th</sup> June.

**Maximum Temperatures and Heat Wave warning (Graphics in Annexure III):**

- ❖ Yesterday, Maximum Temperatures were in the range of 40-43°C over many parts of East India & adjoining East Madhya Pradesh, Vidarbha, Marathawada, Telangana and Andhra Pradesh and below 40°C over rest parts of the country. Maximum Temperatures were above normal by 4-6°C over some/many parts of east Bihar, West Bengal & Sikkim and Northeast India; by 2-4°C over most parts of Peninsular India and near normal or below normal over rest parts of the country.
- ❖ **Yesterday, Heat wave conditions** prevailed in isolated pockets over Bihar and West Bengal & Sikkim. This was 3<sup>rd</sup> day of continuous heat wave observed over the above regions.
- ❖ Rise in maximum temperatures by 4-6°C very likely over plains of Northwest India during next 5 days and by 2-3°C over Central India during next 2 days.
- ❖ **Heat wave conditions** very likely to continue in isolated pockets over Bihar and West Bengal & Sikkim during 03<sup>rd</sup>-07<sup>th</sup> June; likely to prevail over Vidarbha, Coastal Andhra Pradesh on 03<sup>rd</sup> & 04<sup>th</sup> June and southeast Uttar Pradesh 06<sup>th</sup> & 07<sup>th</sup> June.
- ❖ Due to humid air & high temperature, **Hot and Discomfort weather** is very likely over central Chhattisgarh and Maharashtra on 03<sup>rd</sup> & 04<sup>th</sup> June.

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

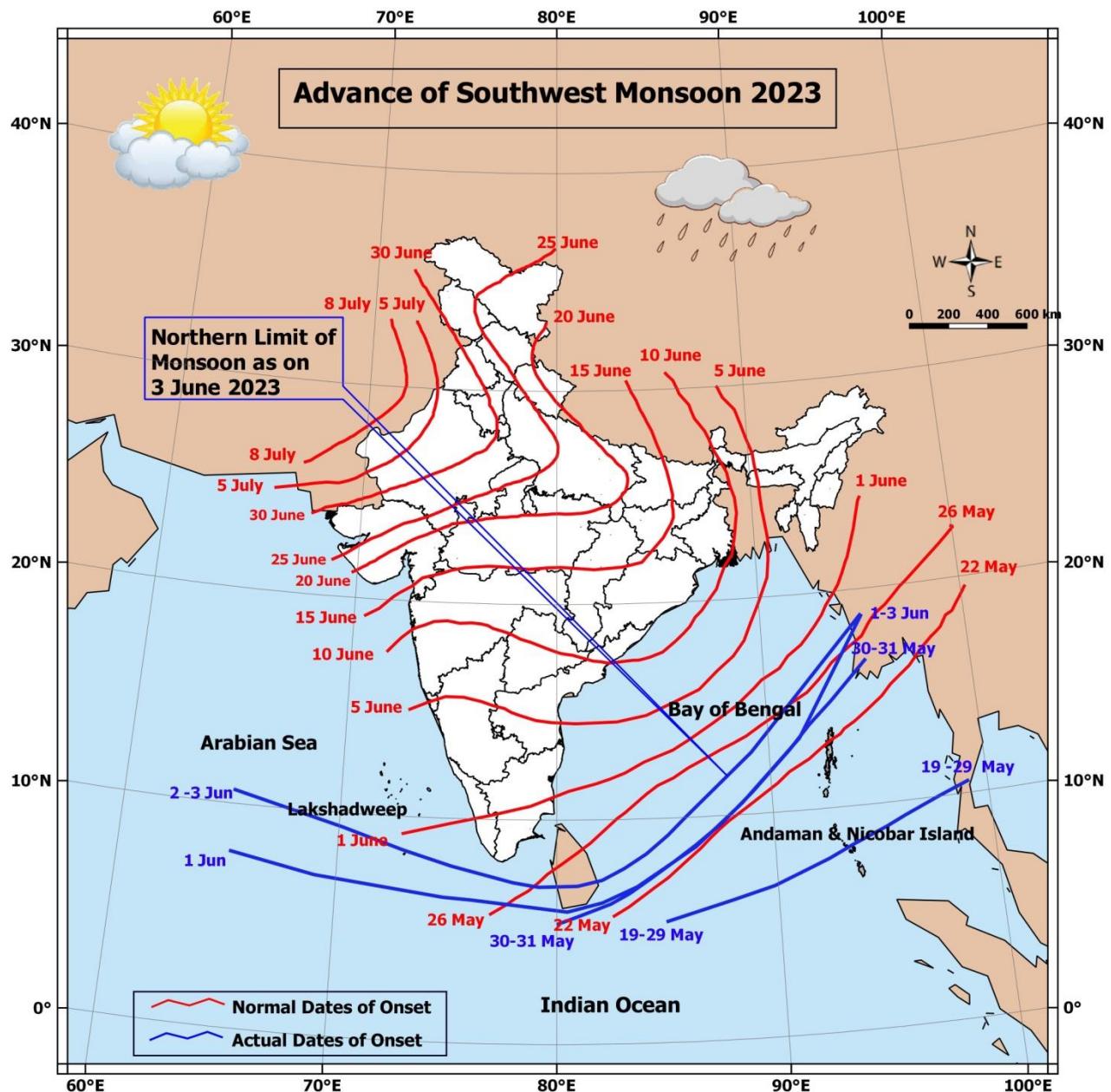
For more details kindly refer:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php)

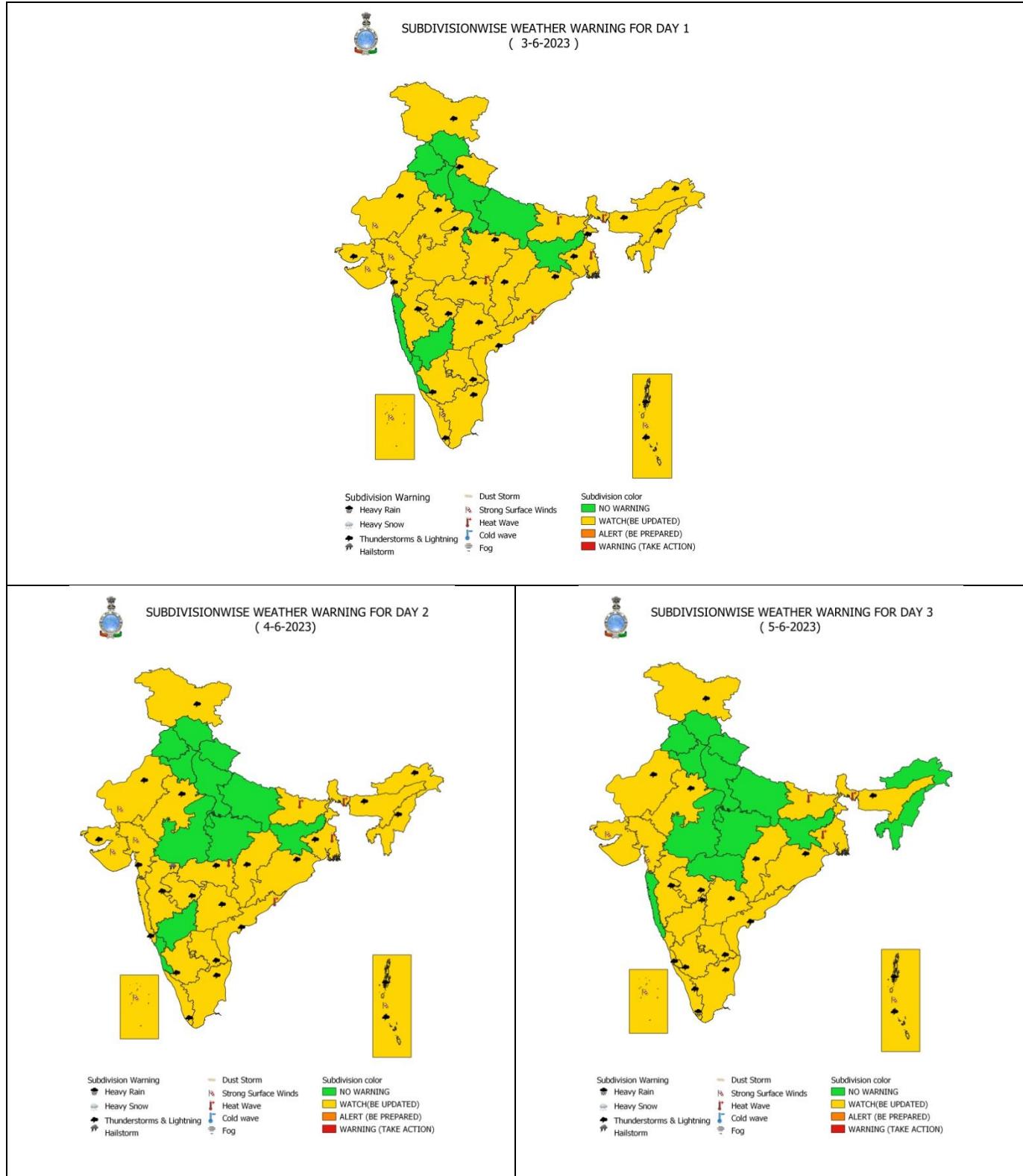
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

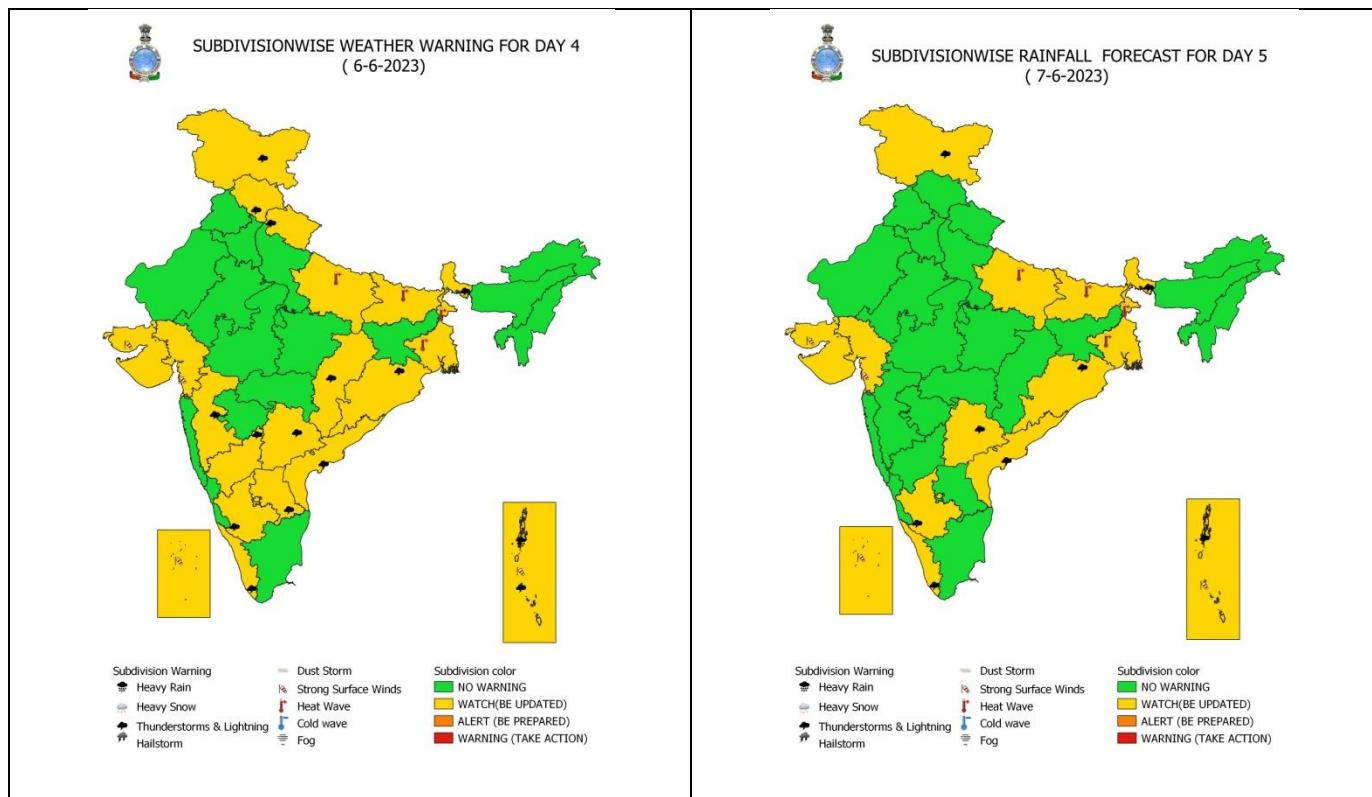
**Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):**

- **Rainfall/thundershowers** observed **at most places** over Andaman & Nicobar Islands; **at many places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; **at a few places** over Arunachal Pradesh, Kerala and **at isolated places** over Himachal Pradesh, Uttarakhand, Rajasthan, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, Odisha, Madhya Pradesh, Marathawada, Gujarat, Telangana, Rayalaseema, South Interior Karnataka and Tamilnadu, Puducherry & Karaikal.
- **Significant rainfall recorded (in cm): Assam & Meghalaya:** Chauldhawaghat (dist Lakhimpur) 3, Lakhipur (dist Cachar) 3, **Tamil Nadu:** Taluk Office Pandalur (dist Nilgiris) 5, PWD (dist Tiruppur), Kancheepuram taluk office (dist Kancheepuram) 4 each, **Kerala:** Thodupuzha (Idukki district), Venkurinji AWS (Pathanamthitta district), Nilambur AWS (Malappuram district) & Kalpetta AWS (Wayanad district) 3 each, **Uttarakhand:** Champawat-5; **Saurashtra:** Bhavnagar-5
- **Hailstorm & Thundersquall observed** at isolated places over Uttarakhand.



### Annexure III





## 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 Widespred (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