



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 02nd June, 2023

Time of Issue: 1315 hours IST

Subject: Heat wave conditions likely 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:

❖ Southwest Monsoon has further advanced into some more parts of South Arabian Sea and Maldives area, some parts of Lakshadweep area, entire Comorin area, some more parts of South Bay of Bengal and Eastcentral Bay of Bengal. The Northern Limit of Southwest Monsoon now passes 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 cyclonic circulation lies over Jammu & neighbourhood in middle & upper tropospheric level and an induced cyclonic circulation lies over Punjab at 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 48 hours.

Forecast and warning over the country during next 5 days:

❖ 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 03rd-05th June.
❖ **No significant weather is likely over rest parts of the country during next 5 days.**

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

❖ Yesterday, Maximum Temperatures were in the range of 40-42°C over many parts of Vidarbha, Marathawada, Gujarat region, East India and below 40°C over rest parts of the country. Maximum Temperatures were above normal by 4-6°C over Northeast India and 2-4°C over most parts of East India and Maharashtra. **Heat wave conditions** prevailed in isolated pockets over Bihar and West Bengal & Sikkim.
❖ Rise in maximum temperatures by 3-5°C very likely over Northwest India during next 5 days and by 2-3°C over Central India during next 3 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 on 02nd & 03rd; Vidarbha during 02nd-04th June.
❖ Due to humid air & high temperature, **Hot and Discomfort weather** is very likely over Chhattisgarh, Andhra Pradesh during 02nd-04th June.

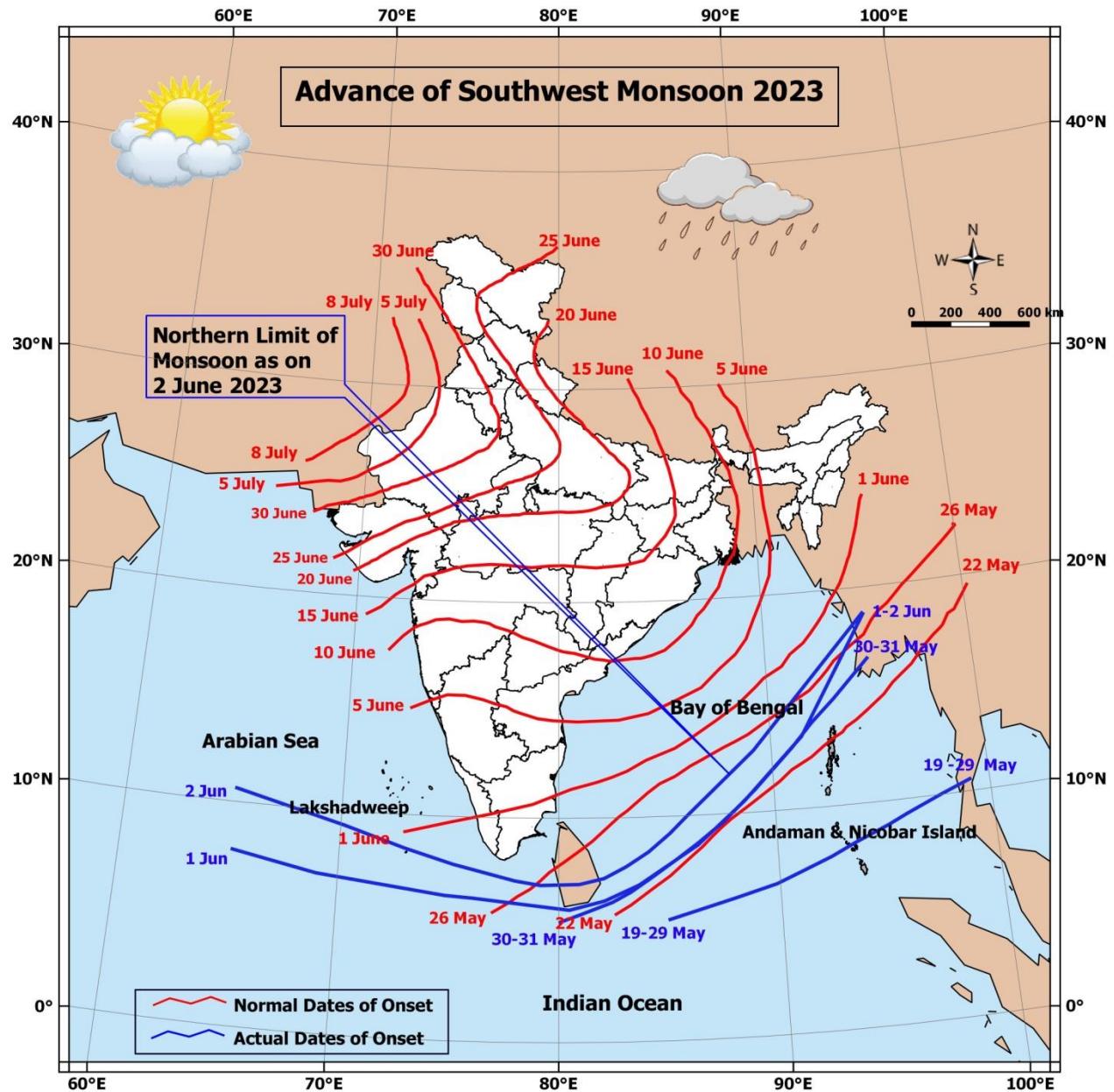
For more details kindly refer:

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

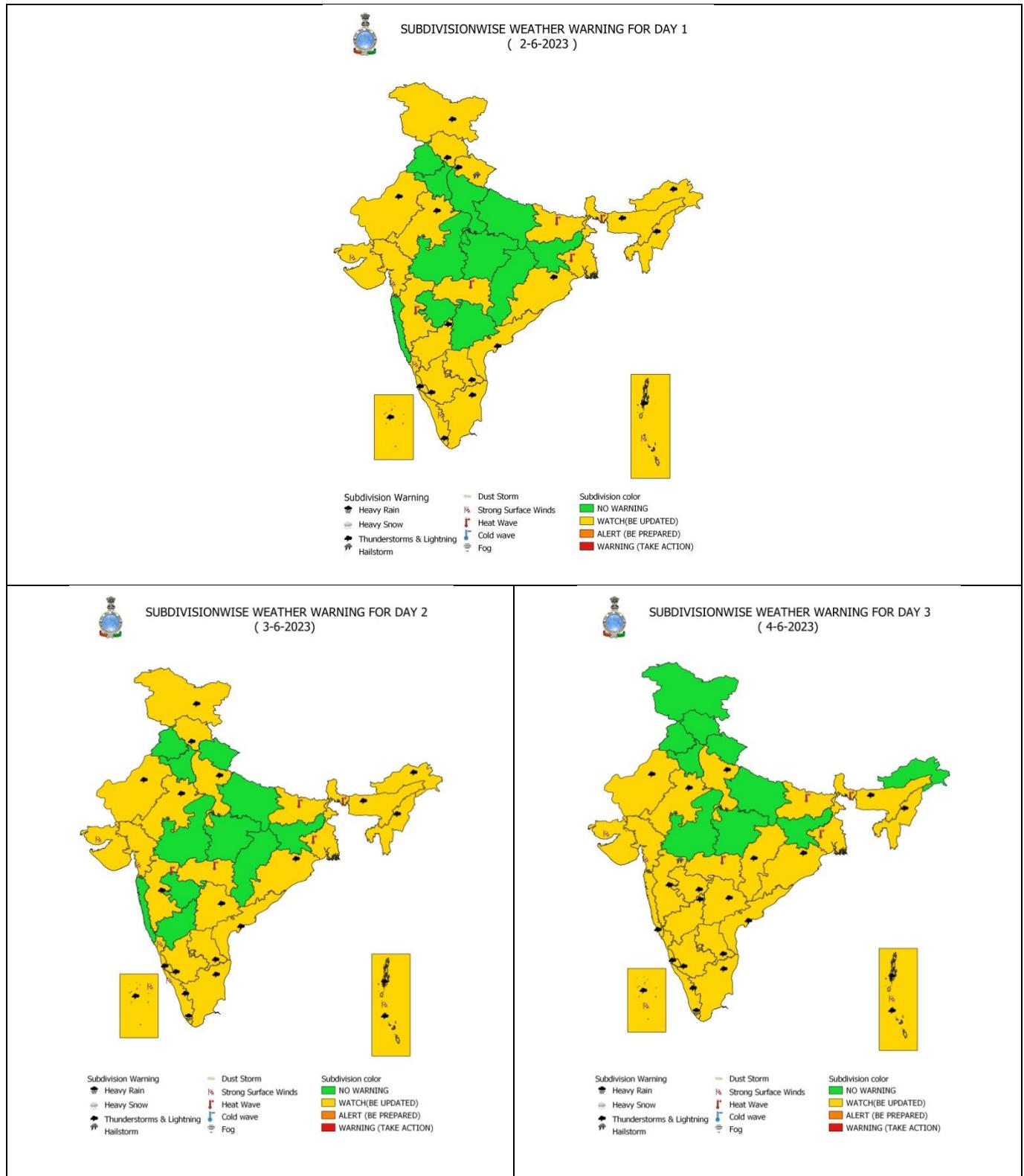
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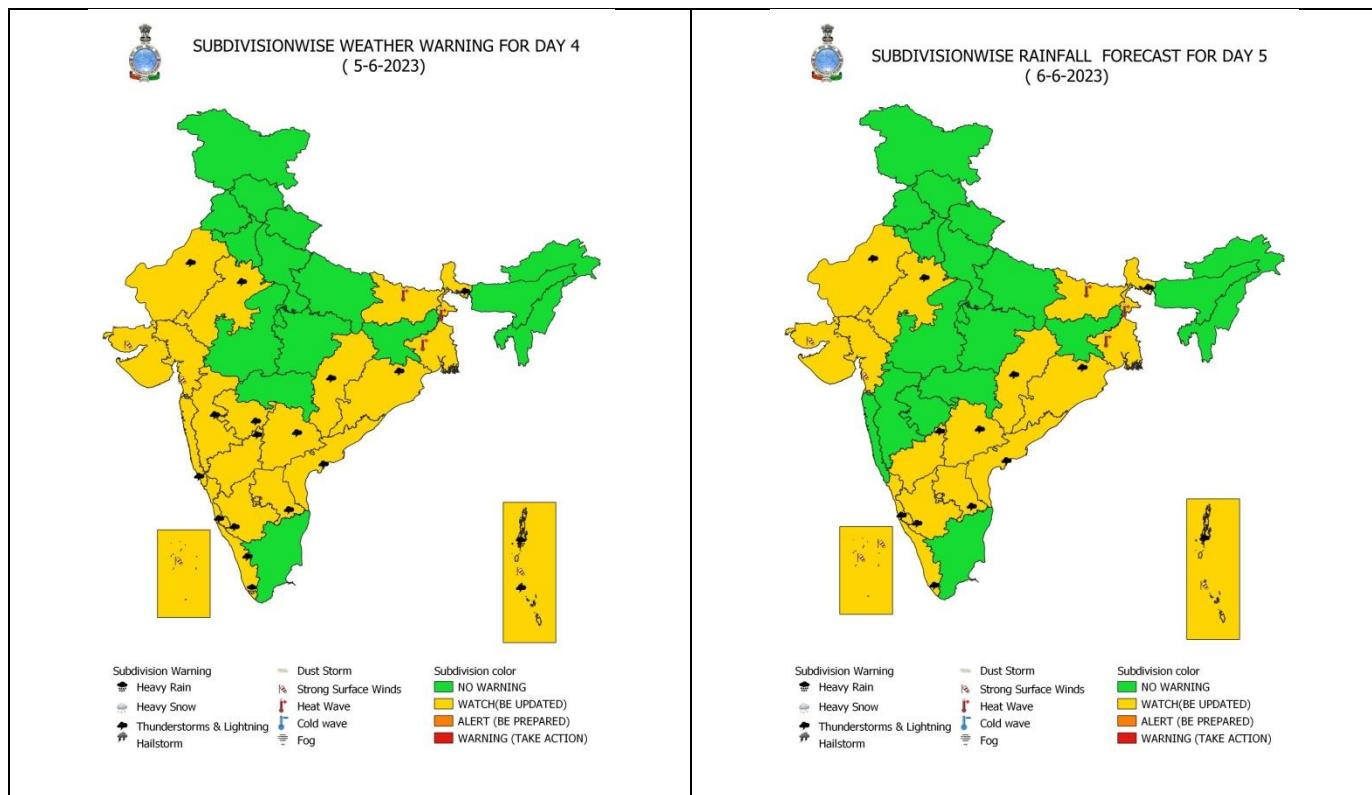
Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers** observed **at most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Andaman & Nicobar Islands, Lakshadweep; **at many places** over Arunachal Pradesh; **at a few places** over Uttarakhand, West Rajasthan, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and **at isolated places** over Nagaland, Manipur, Mizoram & Tripura, Odisha, Haryana, West Uttar Pradesh, East Rajasthan, Odisha, Gangetic West Bengal, Konkan & Goa, Madhya Maharashtra, Andhra Pradesh, Rayalaseema, Kerala and Tamilnadu, Puducherry & Karaikal.
- **Heavy rainfall** observed at isolated places over Arunachal Pradesh and Rayalaseema.
- **Significant rainfall recorded (in cm): Arunachal Pradesh:** Tuting (dist Upper Siang) 9, Pasighat_Aero (dist East Siang) 5, Basar (dist West Siang) 4, Miao (dist Changlang) 4, **Assam & Meghalaya:** Shella (dist East Khasi Hills) 6, Shillong C.s.o. (dist East Khasi Hills) 4, Shillong_Aws (dist East Khasi Hills) 4, **Rayalaseema:** Punganur (dist Chittoor) 7, Holagunda (dist Kurnool) 5, Kuppam (dist Chittoor) 5, **Tamil Nadu:** Shoolagiri (dist Krishnagiri) 4, Ranipet (dist Ranipet), Karur, Chinnar Dam (dist Krishnagiri) 3 each, **Karnataka:** Mahalingapur (dist Bagalkote) 3, Athni (dist Belagavi) 3, Hiriyur Hms (dist Chitradurga) 3, **Sub-Himalayan West Bengal & Sikkim:** Darzeeling, east Sikkim-4 each, **Punjab:** Nangal (dist Rupnagar) 3, **Madhya Maharashtra:** Sangli - Imd Obsy (dist Sangli) 3.
- **Hailstorm observed** at isolated places over Rajasthan, Konkan and Madhya Maharashtra.



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