



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 08th June, 2022
Time of Issue: 1230 hrs IST

Subject: i) Intense spell of rainfall likely to continue over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 5 days.
ii) Heat Wave Conditions likely to continue in isolated pockets over Northwest, Central & adjoining East India during next 2 days.

Weather observed during past 24 hours ending at 0830 hrs IST of today:

- Isolated **heavy rainfall** occurred over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Sub-Himalayan West Bengal & Sikkim and Saurashtra.
- **Rainfall (in cm): Sub-Himalayan West Bengal: Jalpaiguri:** Domohani, Falakata-10 each, Jalpaiguri-7, East Sikkim: Gangtok-9, Darjeeling: Rongo-9; **Meghalaya:** Sohra-10, Mawsynram-7; **Assam:** Tangala-10, **Arunachal Pradesh:** Tuting-9 Hatsingimari-8; **Nagaland:** Kiphire-7; **Saurashtra: Amreli:** Lathi-7
- Yesterday, **Heat Wave Conditions** prevailed over some parts of East Vidarbha and at isolated pockets of Uttarakhand, Punjab, Haryana-Delhi, northwest Rajasthan, southeast Uttar Pradesh and East Madhya Pradesh.

Advancement of Southwest Monsoon:

- The Northern Limit of Monsoon (NLM) continues to pass through Lat. 15°N/ Long. 60°E, Lat. 15°N/ Long.70°E, Karwar, Chikmagaluru, Bengaluru, Puducherry, Lat.14°N/Long.84°E, Lat.17.0°N/Long.87°E, Lat.20.0°N/Long.89.5°E, Lat.22.0°N/90°E, Lat.25.0°N/89°E, Siliguri and 27.50°N/88°E (**Annexure-I**)

Rainfall/thunderstorm Forecast & Warnings:

- Under the influence of north-south trough roughly along Long. 90°E & to north of Lat. 20°N and strong southwesterly winds from Bay of Bengal to northeast India in lower tropospheric levels:
 - ✓ Widespread light/moderate rainfall with isolated **heavy to very heavy rainfall** very likely over Arunachal Pradesh and Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura during next 5 days. Isolated **extremely heavy rainfall** also likely over Arunachal Pradesh and Meghalaya on 10th & 11th June, 2022.
 - ✓ Isolated/scattered rainfall with **thunderstorm/lightning/gusty winds** very likely over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 5 days. Isolated **heavy rainfall** likely over Bihar today.

- Due to shear zone along Lat.11°N at mid tropospheric levels and westerly winds from Arabian Sea over South Peninsular India in lower tropospheric levels:
 - ✓ Fairly widespread/ widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Karnataka, Kerala & Mahe and Lakshadweep; scattered rainfall over Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal and Telangana during next 5 days.
 - ✓ Isolated **heavy rainfall** very likely over Tamilnadu on 08th; South Interior Karnataka on 12th; Coastal Karnataka during 10th-12th and over Kerala & Mahe during 08th, 10th, 11th & 12th June, 2022.

- Scattered/fairly widespread rainfall with **thunderstorm/lightning/gusty winds** very likely over Konkan & Goa and Madhya Maharashtra during next 5 days. Isolated **heavy rainfall** likely over Konkan & Goa on 11th & 12th June.

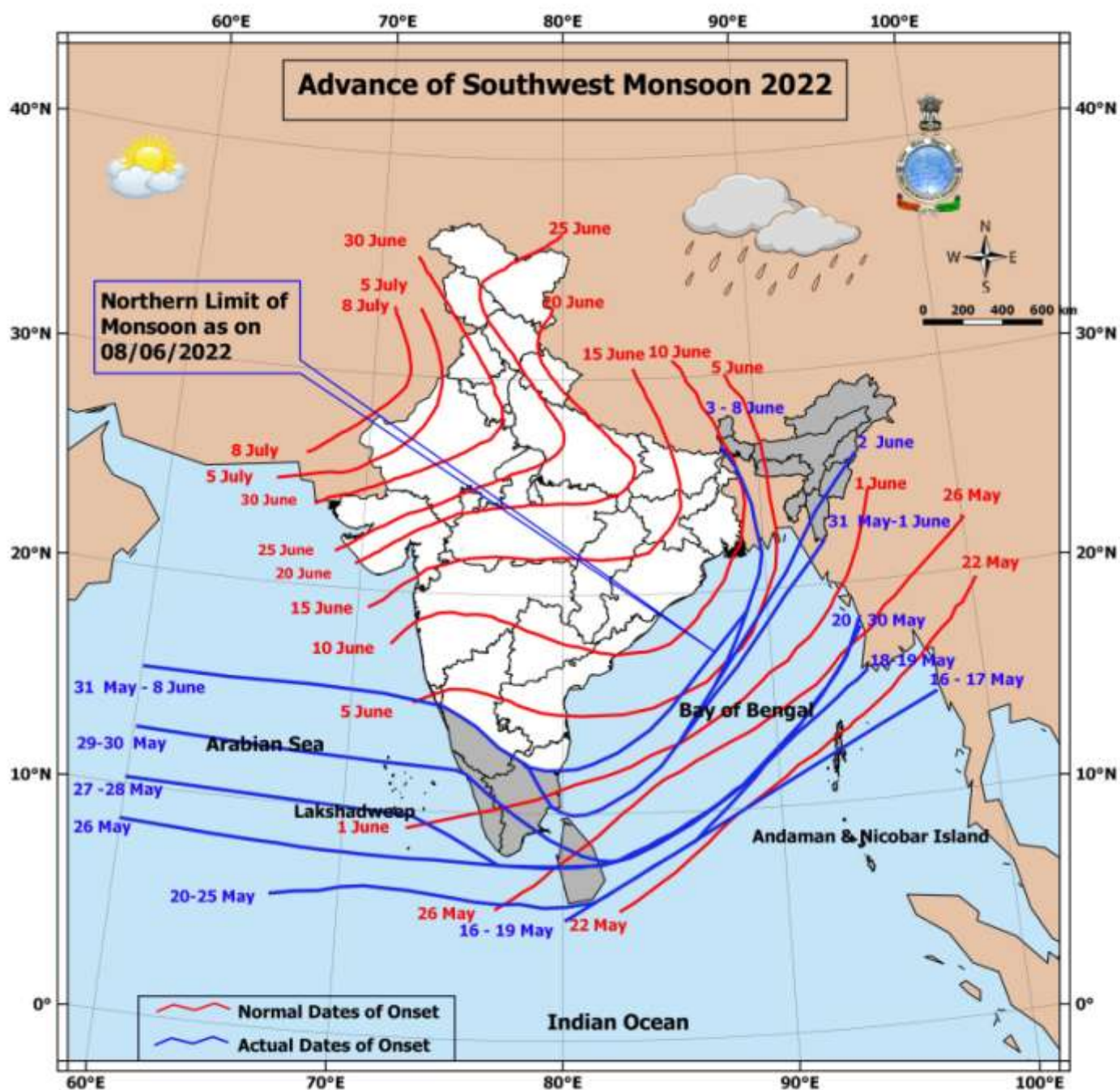
Maximum Temperature forecast and Heat wave warnings:

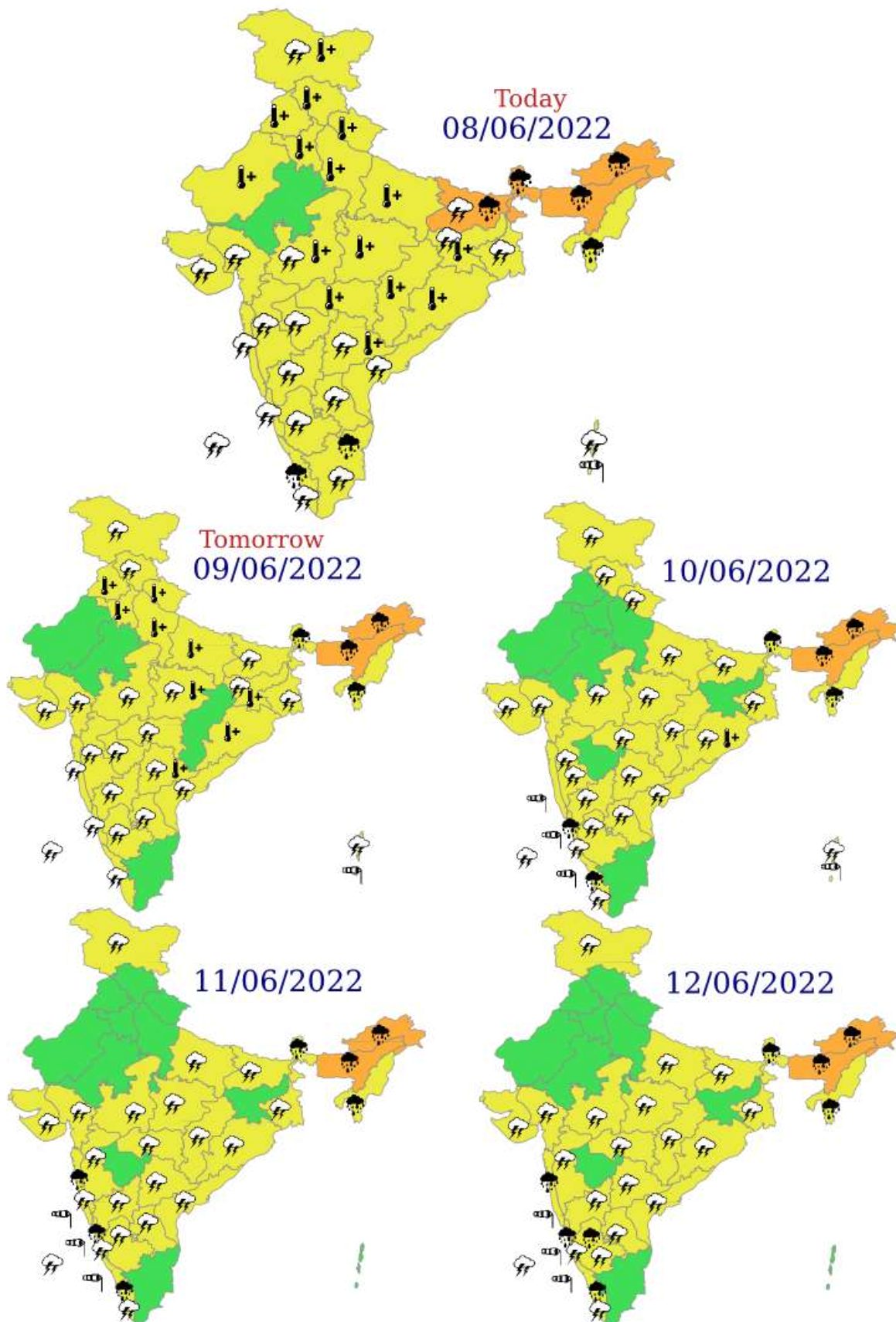
- ✓ Gradual fall in maximum temperatures by 2-3°C very likely over Gujarat and Maharashtra during next 5 days.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

Heat wave warnings:

- ✓ **Heat wave conditions** in isolated places very likely over
 - ❖ Jammu Division, Himachal Pradesh, West Rajasthan, West Madhya Pradesh, Vidarbha, Chhattisgarh on 08th;
 - ❖ Uttarakhand, Punjab, Haryana-Delhi, Uttar Pradesh, Jharkhand, Telangana & East Madhya Pradesh on 08th & 09th;
 - ❖ Odisha during 08th-10th June, 2022.

Multi-hazard warning is given in annexure-II.





EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rainfall over Assam & Meghalaya & Arunachal Pradesh during 08th-12th June and over Sub-Himalayan West Bengal-Sikkim during 08th-10th June, 2022.

A. Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

B. Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Impact expected and action suggested due to heat wave conditions over Jammu Division, Himachal Pradesh, West Madhya Pradesh, Vidarbha, Chhattisgarh on 08th; Uttarakhand, Punjab, Haryana-Delhi, Uttar Pradesh, Jharkhand & East Madhya Pradesh on 08th & 09th; Odisha during 08th-10th June, 2022.

Impact expected:

- Heat wave could lead to moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases
- Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.

Action suggested:

- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Avoid heat exposure, wear lightweight, light-colored, loose, cotton clothes and cover the head by use of cloth, hat or umbrella etc.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Legends:

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

Region wise classification of meteorological Sub-Divisions:

- 1) **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.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, 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)



Heavy Rain



Strong Winds

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



Thunderstorm with Lightning



Heat Wave