



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

**Press Release
Date: 07th June, 2022
Time of Issue: 1330 hrs IST**

**Subject: i) Southwest Monsoon has further advanced over some more parts of Tamilnadu, Puducherry & Karaikal, southwest & westcentral Bay of Bengal.
ii) Intense spell of rainfall likely to continue over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 5 days.
iii) Heat Wave Conditions likely to continue in isolated pockets over Northwest, Central & adjoining East India during next 3 days.**

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

- Isolated **heavy rainfall** over Meghalaya, Kerala, Sub-Himalayan West Bengal & Sikkim, Coastal Andhra Pradesh & Yanam, Andaman & Nicobar Islands and Tamilnadu, Puducherry & Karaikal. (**Annexure-III**).
- Yesterday, **Heat Wave Conditions** prevailed over some parts of Delhi; in isolated pockets of Punjab, Uttarakhand, West Rajasthan, Haryana, Uttar Pradesh, East Madhya Pradesh, Vidarbha and Jharkhand.

Advancement of Southwest Monsoon:

- Southwest Monsoon has further advanced over some more parts of Tamilnadu, Puducherry & Karaikal, southwest & westcentral Bay of Bengal.
- The Northern Limit of Monsoon (NLM) now passes 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. 22°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 during next 5 days; Sub-Himalayan West Bengal & Sikkim during 08th-11th and over Nagaland, Manipur, Mizoram & Tripura during 09th-11th June. Isolated **extremely heavy rainfall** also likely over Assam & Meghalaya during 09th-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.

- Due to 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 over Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal and isolated activity over Telangana during next 5 days.
 - ✓ Isolated **heavy rainfall** very likely over Tamilnadu on 07th; South Interior Karnataka on 07th & 08th; Coastal Karnataka during 09th-11th and over Kerala & Mahe during 07th-11th June, 2022.

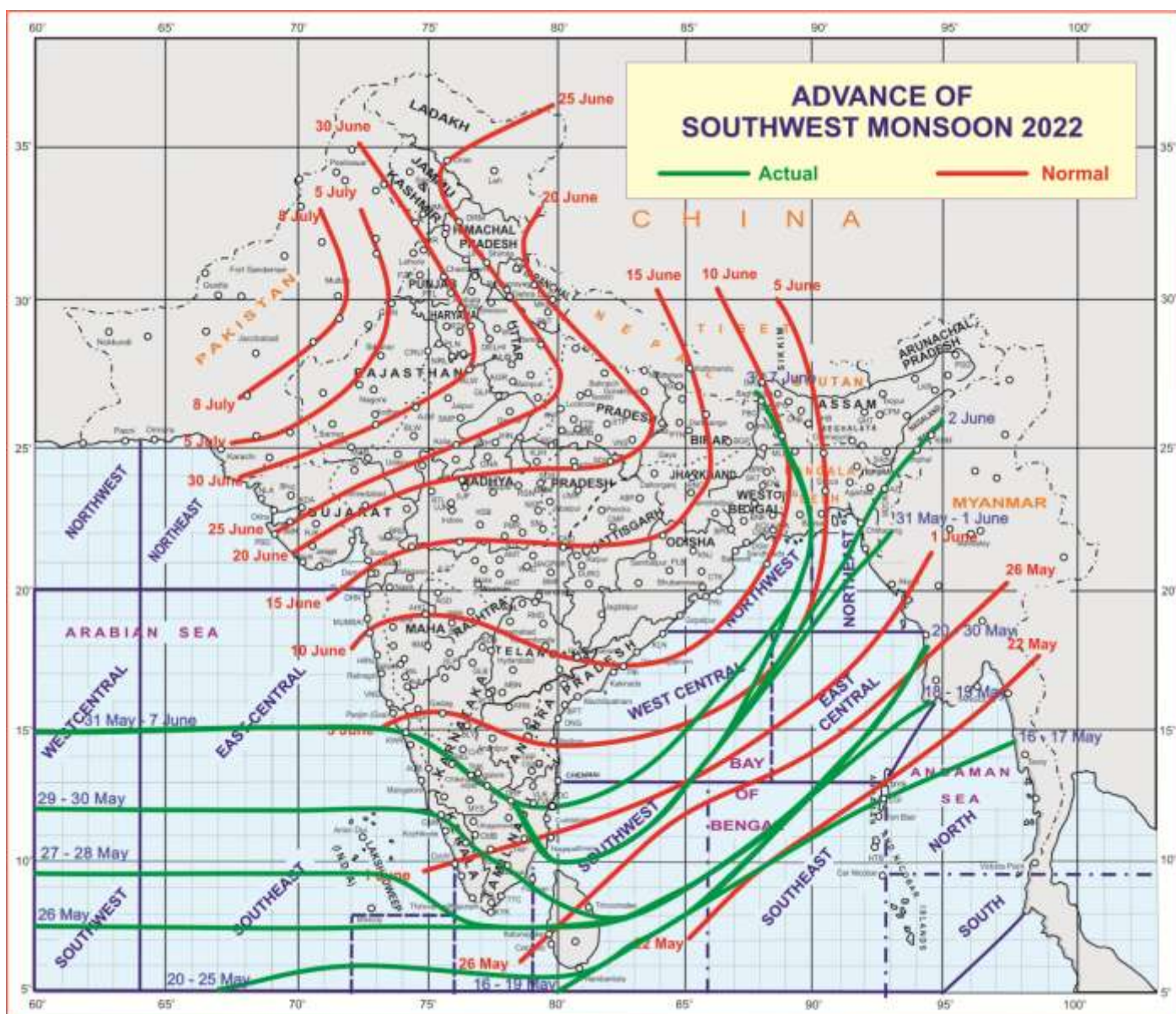
Maximum Temperature forecast and Heat wave warnings:

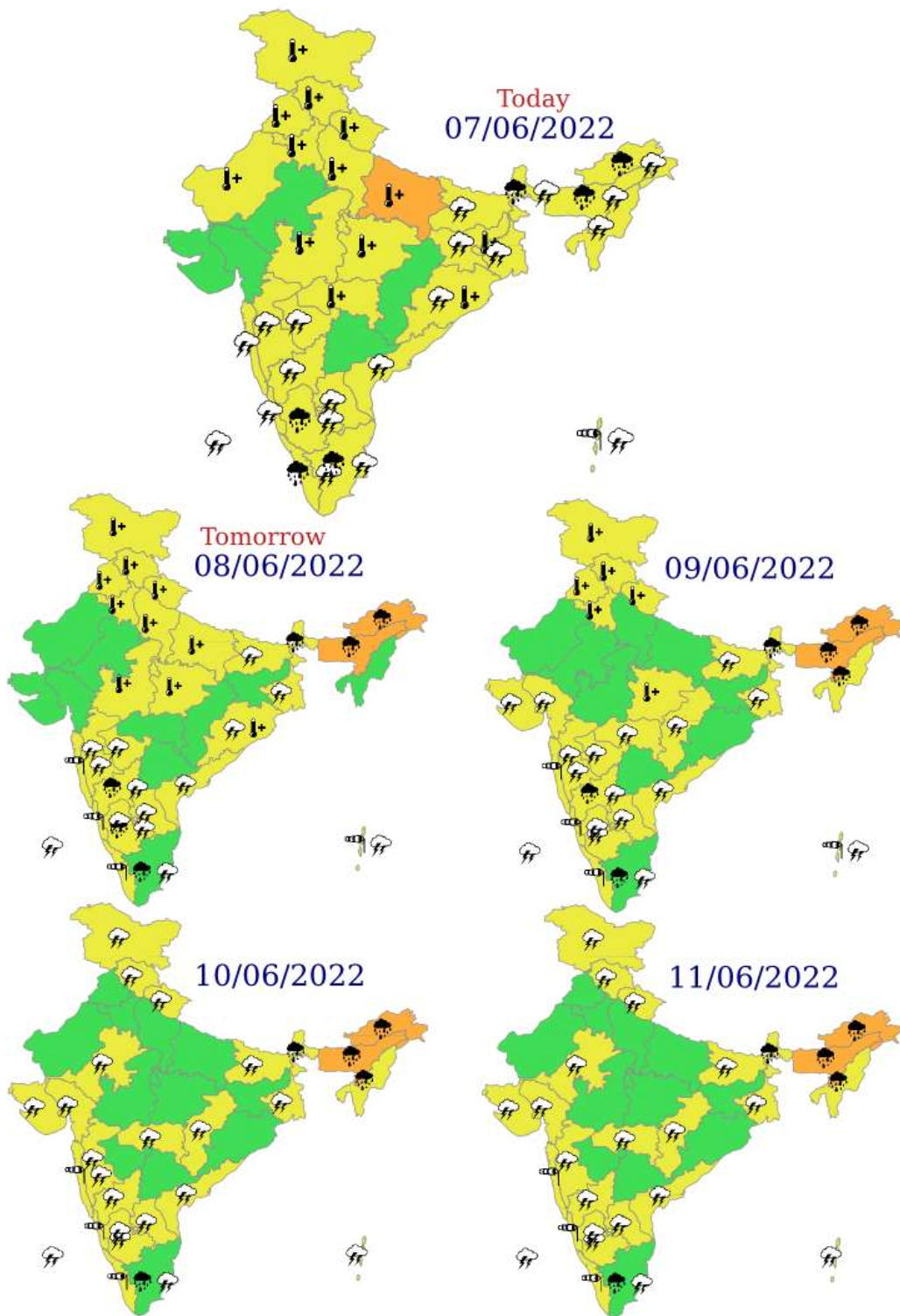
- ✓ No significant change in maximum temperatures very likely over most parts of Northwest & Central India during next 3 days and gradual fall by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

Heat wave warnings:

- ✓ **Heat wave conditions** in isolated places very likely over
 - ❖ Jammu Division, Himachal Pradesh, Uttarakhand, Punjab, Haryana-Delhi & East Madhya Pradesh during 07th-09th
 - ❖ Uttar Pradesh, Jharkhand and West Madhya Pradesh on 07th & 08th;
 - ❖ West Rajasthan and Vidarbha on 07th June;
 - ❖ Odisha during 08th-10th June;

Multi-hazard warning is given in annexure-II.





Rainfall (in cm):

- **Sub-Himalayan West Bengal: North Dinajpur:** Raiganj-10;
- **Meghalaya:** Sohra-9, Tikrikilla, Mawsynram & Khliehriat -7each;
- **Coastal Andhra Pradesh: East Godavari:** Kakinada-9, Tuni-5,
- **Kerala: Ernakulam:** Kochi-8;
- **Andaman & Nicobar Islands: North & Middle Andaman:** Long Island-8;
- **Tamilnadu: Thiruchirappalli:** Tiruchirappalli Town-7; **Tiruvannamalai:** Tiruvannamalai-7; **Pudukkottai:** PERUNGALUR & ANNAVASAL-7; **Ramanathapuram:** Thondi-7; **Thiruchirappalli:** Ponmalai-7, Tiruchirappalli Junction-7, **Tirupathur:** Ambur-7;

EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rainfall over Assam & Meghalaya & Arunachal Pradesh during 07th-11th June and over Sub-Himalayan West Bengal-Sikkim during 08th - 11th 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 Vidarbha & West Rajasthan on 07th; Jammu Division, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh, Delhi, Punjab & East Madhya Pradesh during 07th-09th; over Uttar Pradesh, Jharkhand & West Madhya Pradesh on 07th & 08th and Odisha during 08th-10th June.

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