



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

**Press Release**  
**Date: 09<sup>th</sup> June, 2022**  
**Time of Issue: 1330 hrs IST**

**Subject: i) Conditions are favorable for further advance of monsoon into some more parts of central Arabian sea, Goa, some parts of south Maharashtra, some more parts of Karnataka, remaining parts of Tamilnadu, some parts of south Andhra Pradesh, some more parts of westcentral & northwest Bay of Bengal during next 48 hours.**

**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 2 days.**

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

- Isolated **extremely heavy rainfall** reported over Bihar, **very heavy rainfall** over Assam & Meghalaya and **heavy rainfall** over Marathwada, Madhya Maharashtra, Arunachal Pradesh and Sub-Himalayan West Bengal.
- Rainfall (in cm): **Bihar:** Kishanganj: Bahadurganj-26, Kishanganj-18, Chargharia-16; Purnea: Amaur-15, Araria: Forbesganj-9, Narpatganj, Jokihat, Sipti-8 each, Katihar: Balrampur-8  
**Meghalaya:** East Khasi Hills: Shella-16; South Garo Hills: Baghmara -15; West Garo Hills: Tura kvk (aws)-11; West Garo Hills: Tura(aws)-11; Chirang: Bijni(arg)-11; South west Khasi Hill: Mawkyrwat(arg) and Mawkyrwat-7 each; **Assam:** Chirang: Panbari-15; Barpeta: Beki-Mathanguri-12; Bongaigaon: AIE N H XING-12; Chirang: Bijni(arg)-11; Barpeta: Beki Rd. Bridge and Barpeta(kvk aws)-7 each. **Arunachal Pradesh:** Papumpare: Karsingsa (aws and Itanagar(cwc)-8 each. **Sub-Himalayan West Bengal:** Jalpaiguri: NH31 Bridge, Buxaduar-8 each **Marathwada:** Parbhani: Gangakhed-8; **Madhya Maharashtra:** Pune: Shirurghodnadi-7; **Konkan & Goa:** Ratnagiri: Sangameshwar-6.
- **Thundersquall** reported at isolated places over Sub-Himalayan West Bengal.
- Yesterday, Heat Wave Conditions prevailed in some parts of east Vidarbha and in isolated pockets over Uttarakhand, northwest Rajasthan, Punjab, Haryana & Delhi, south Uttar Pradesh, northeast Madhya Pradesh, Chhattisgarh, western parts of Jharkhand, Telangana, south coastal Andhra Pradesh and interior Odisha.

**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**)
- Conditions are favorable for further advance of monsoon into some more parts of central Arabian sea, Goa, some parts of south Maharashtra, some more parts of Karnataka, remaining parts of Tamilnadu, some parts of south Andhra Pradesh, some more parts of westcentral & northwest Bay of Bengal during next 48 hours.

- Conditions would continue to become favourable for further advance of monsoon into more parts of Maharashtra, entire Karnataka, more parts of Andhra Pradesh and more parts of westcentral & northwest Bay of Bengal during subsequent 2 days.

#### **Rainfall/thunderstorm Forecast & Warnings:**

- Under the influence of north-south trough from Sub-Himalayan West Bengal to interior Odisha 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 on 10<sup>th</sup> & 11<sup>th</sup> June and over Assam & Meghalaya during next 5 days.**
  - 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.**
- Under the influence of strong westerly/southwesterly winds along the west coast in lower tropospheric levels:
  - Fairly widespread/ widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Karnataka, Kerala & Mahe and Lakshadweep; scattered to fairly widespread rainfall over Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal and Telangana during next 5 days. **Isolated heavy rainfall very likely over South Interior Karnataka on 12<sup>th</sup>; Coastal Karnataka during 09<sup>th</sup>-13<sup>th</sup> and over Kerala & Mahe on 11<sup>th</sup> & 12<sup>th</sup> June, 2022.**
  - Fairly widespread to widespread rainfall with thunderstorm/lightning/gusty winds very likely over Konkan & Goa and scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds over Madhya Maharashtra and Marathwada during next 5 days. **Isolated heavy rainfall also likely over Konkan & Goa on 10<sup>th</sup> & 13<sup>th</sup> and isolated very heavy rainfall on 11<sup>th</sup> & 12<sup>th</sup> June, 2022.**

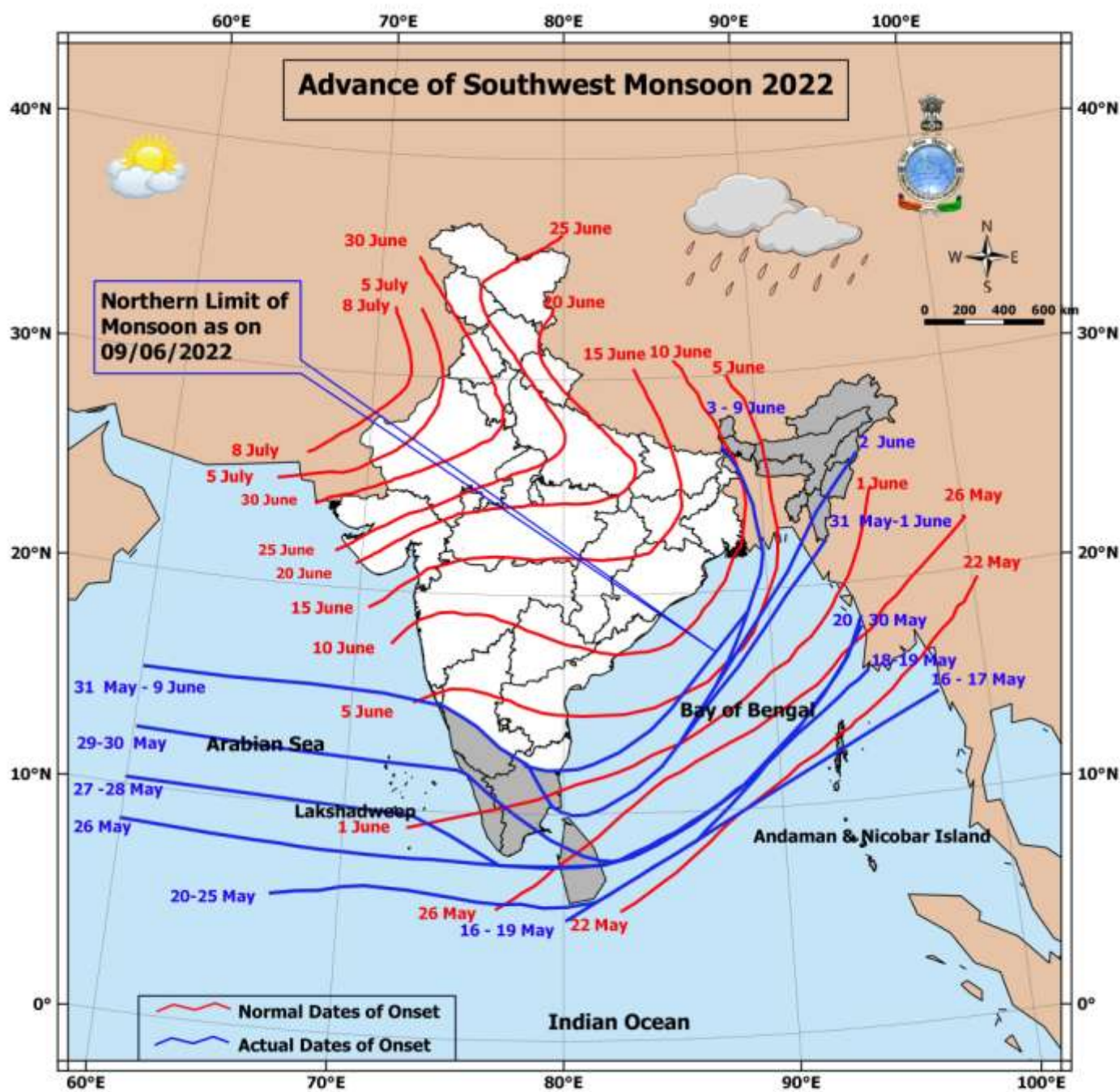
#### **Maximum Temperature forecast and Heat wave warnings:**

- No significant change in maximum temperatures very likely over central India during next 48 hours and gradual fall in maximum temperatures by 2-3°C thereafter.
- No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

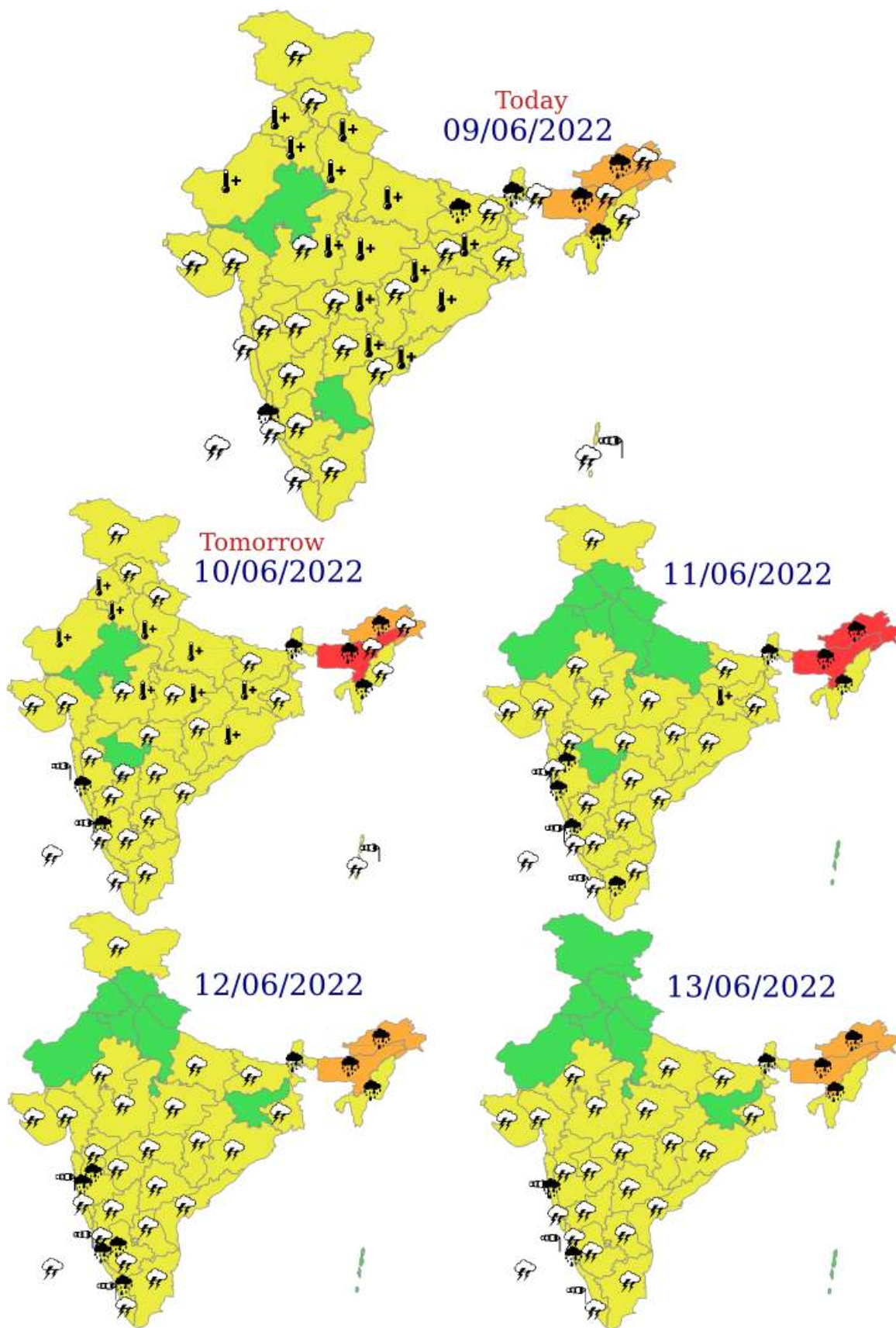
#### **Heat wave warnings: Heat wave conditions** in isolated places very likely over

- Punjab, Haryana-Delhi, south Uttar Pradesh, northwest Rajasthan, north Madhya Pradesh, interior Odisha and Jharkhand on 09th & 10th June.
- Uttarakhand, Chhattisgarh, south coastal Andhra Pradesh, Telangana and Vidarbha on 09th 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 09<sup>th</sup>-13<sup>th</sup> June and over Sub-Himalayan West Bengal-Sikkim during 09<sup>th</sup>-10<sup>th</sup> 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 Punjab, Haryana-Delhi, south Uttar Pradesh, northwest Rajasthan, north Madhya Pradesh, interior Odisha and Jharkhand on 09th & 10th June. Over Uttarakhand, Chhattisgarh, south coastal Andhra Pradesh, Telangana and Vidarbha on 09th 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.

<b>SPATIAL DISTRIBUTION</b> (% 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