



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

**Press Release**  
**Date: 11<sup>th</sup> June, 2022**  
**Time of Issue: 1320 hrs IST**

- Subject: i) Southwest Monsoon has further advanced into remaining parts of central Arabian Sea, most parts of Konkan (including Mumbai), some parts of Madhya Maharashtra, and some more parts of Karnataka today, the 11th June, 2022.**
- ii) Intense spell of rainfall likely to occur along the west peninsular coast during the next 2 days and current spell of heavy 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 and abatement thereafter.**

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

- Isolated **very heavy rainfall** occurred over Konkan & Goa and Assam & Meghalaya and **heavy rainfall** over Sub-Himalayan West Bengal & Sikkim, Kerala & Mahe, Arunachal Pradesh and Coastal Karnataka.
- **Rainfall (in cm): Konkan & Goa: Sindhudurg:** Sawantwadi -14, Vengurla & Malvan -9 each; **North Goa:** Valpoi-11, Ponda-7; **Raigad:** Shriwardhan-10; **South Goa:** Quepem-10, Sanguem- 8, Canacona & Mormugao -7 each, **Mumbai City:** Colaba-6, Santacruz-4, Mahalaxmi\_aws-3; **Ratnagiri:** Ratnagiri-8, Lanja-7; **Pune:** Pune(Imd Obsy)-3, Lonavala\_agri-2; **Assam & Meghalaya: Lakhimpur:** Chauldhowaghat & Lilabari-12 each; **Barpeta:** Beki Mathungari-7; **Arunachal Pradesh: West Kameng:** Bhalukpong-10; **Kerala & Mahe:** Kottayam: Kanjirappally-8; Kollam: Punalur-7; Thrissur: Kodungallur-7; **Coastal Karnataka: Uttar Kannada:** Karwar-8; **Sub-Himalayan West Bengal: Cooch Behar:** Cooch Behar-7
- Yesterday, **heat wave conditions** prevailed in isolated pockets over West Rajasthan, Himachal Pradesh, Haryana, Delhi, Jharkhand, East Madhya Pradesh, Punjab and East Uttar Pradesh.

**Advance of Southwest Monsoon:**

- Southwest Monsoon has further advanced into remaining parts of central Arabian Sea, most parts of Konkan (including Mumbai), some parts of Madhya Maharashtra, some more parts of Karnataka today, the 11th June, 2022
- The **Northern Limit of Monsoon (NLM)** now passes through Lat. 20°N/ Long. 60°E, Lat. 20°N/ Long. 70°E, Dahanu, Pune, Gadag, Bengaluru, Puducherry, Lat. 14°N/ Long. 84°E, Lat. 17.0°N/ Long. 87°E, Lat.20.0°N/89.5°E, Lat.22.0°N/90°E, Lat.25.0°N/89°E, Siliguri and 27.50°N/88°E.
- Conditions are favorable for further advance of monsoon into some parts of north Arabian sea, remaining parts of Konkan, some parts of Gujarat state, most parts of Madhya Maharashtra, entire Karnataka and Tamil Nadu, some parts of Telengana, Andhra Pradesh, Westcentral & northwest Bay of Bengal during next 48 hours
- Conditions would continue to become favorable for further advance of monsoon into some more parts of north Arabian Sea, Gujarat state, some parts of Marathwada, some more parts of

Telengana, Andhra Pradesh, most parts of Bay of Bengal, entire Sub-Himalayan West Bengal & Sikkim, some parts of Odisha, Gangetic West Bengal, Jharkhand and Bihar during subsequent 2-3 days

#### Rainfall/thunderstorm Forecast & Warnings:

- Under the influence of strong southwesterly winds from Bay of Bengal to northeast & adjoining east India in lower tropospheric levels:
  - Widespread light/moderate rainfall very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim during next 5 days. Isolated **heavy to very heavy rainfall** very likely over Arunachal Pradesh, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim during next 5 days and **heavy rainfall** over Nagaland, Manipur, Mizoram & Tripura during 13<sup>th</sup>-15<sup>th</sup> June. Isolated **extremely heavy rainfall** also likely over Assam & Meghalaya during 13<sup>th</sup>-15<sup>th</sup> June.
  - Isolated/scattered rainfall with **thunderstorm/lightning/gusty winds** very likely over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 5 days.
  - Isolated/scattered rainfall with **thunderstorm/lightning/gusty winds** very likely over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days.
  
- Under the influence of strong westerly winds along the west coast in lower tropospheric levels:
  - Fairly widespread/ widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Coastal Karnataka, Kerala & Mahe and Lakshadweep; isolated to scattered rainfall over Andhra Pradesh & Yanam, Telangana and Tamilnadu, Puducherry & Karaikal during next 5 days. Isolated **heavy rainfall** very likely over Tamilnadu on 12<sup>th</sup>; Kerala & Mahe on 11<sup>th</sup> & 12<sup>th</sup> and over Coastal Karnataka during 11<sup>th</sup>-15<sup>th</sup> June, 2022.
  - Widespread rainfall with thunderstorm/lightning very likely over Konkan & Goa and scattered to fairly widespread rainfall with thunderstorm/lightning over Madhya Maharashtra and Marathwada during next 5 days. Isolated **very heavy rainfall** likely over Konkan & Goa and isolated **heavy rainfall** over Ghat regions of Madhya Maharashtra during next 2 days. Isolated heavy rainfall to continue over Konkan & Goa during subsequent 3 days.

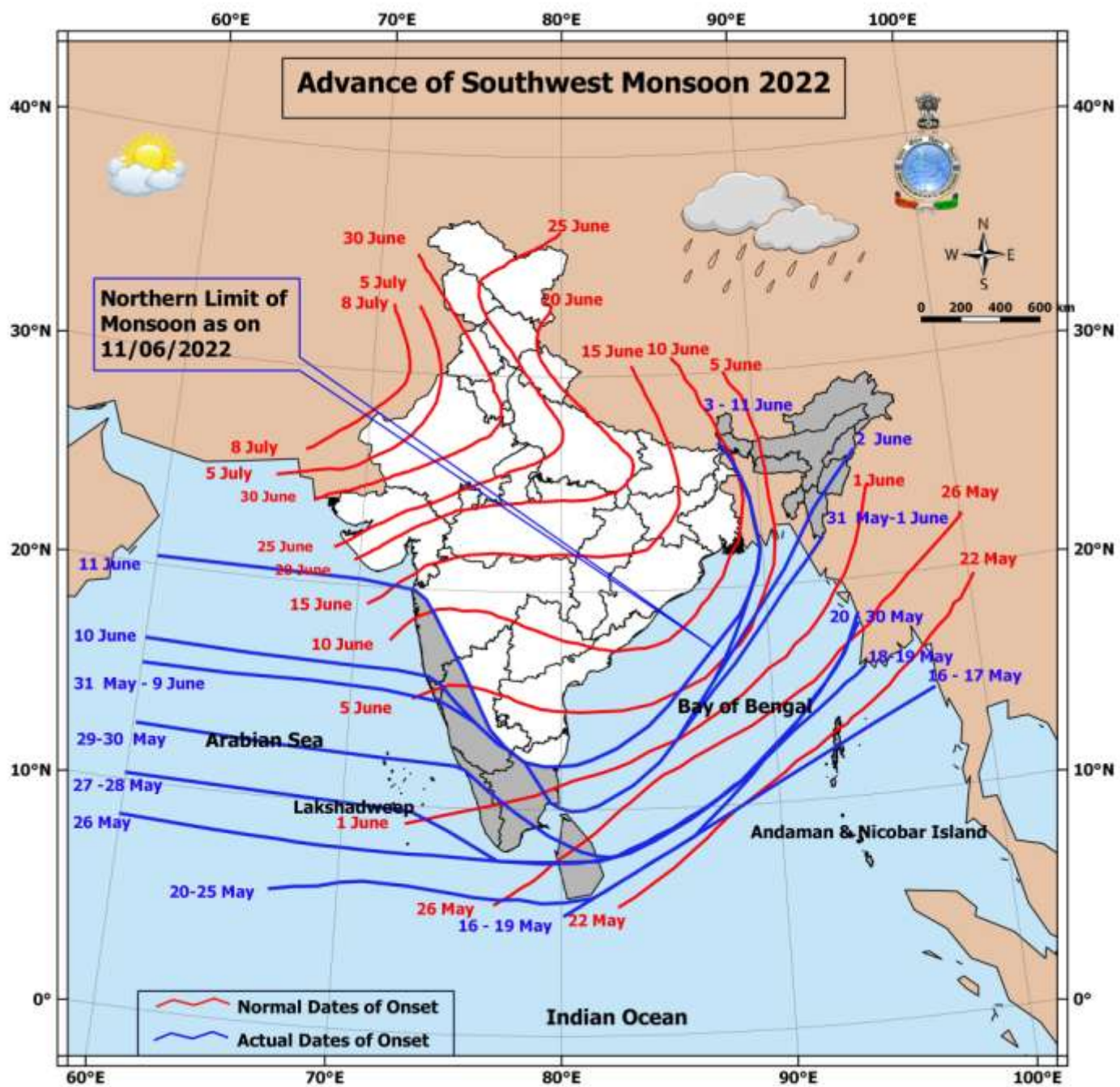
#### Maximum Temperature forecast and Heat wave warnings:

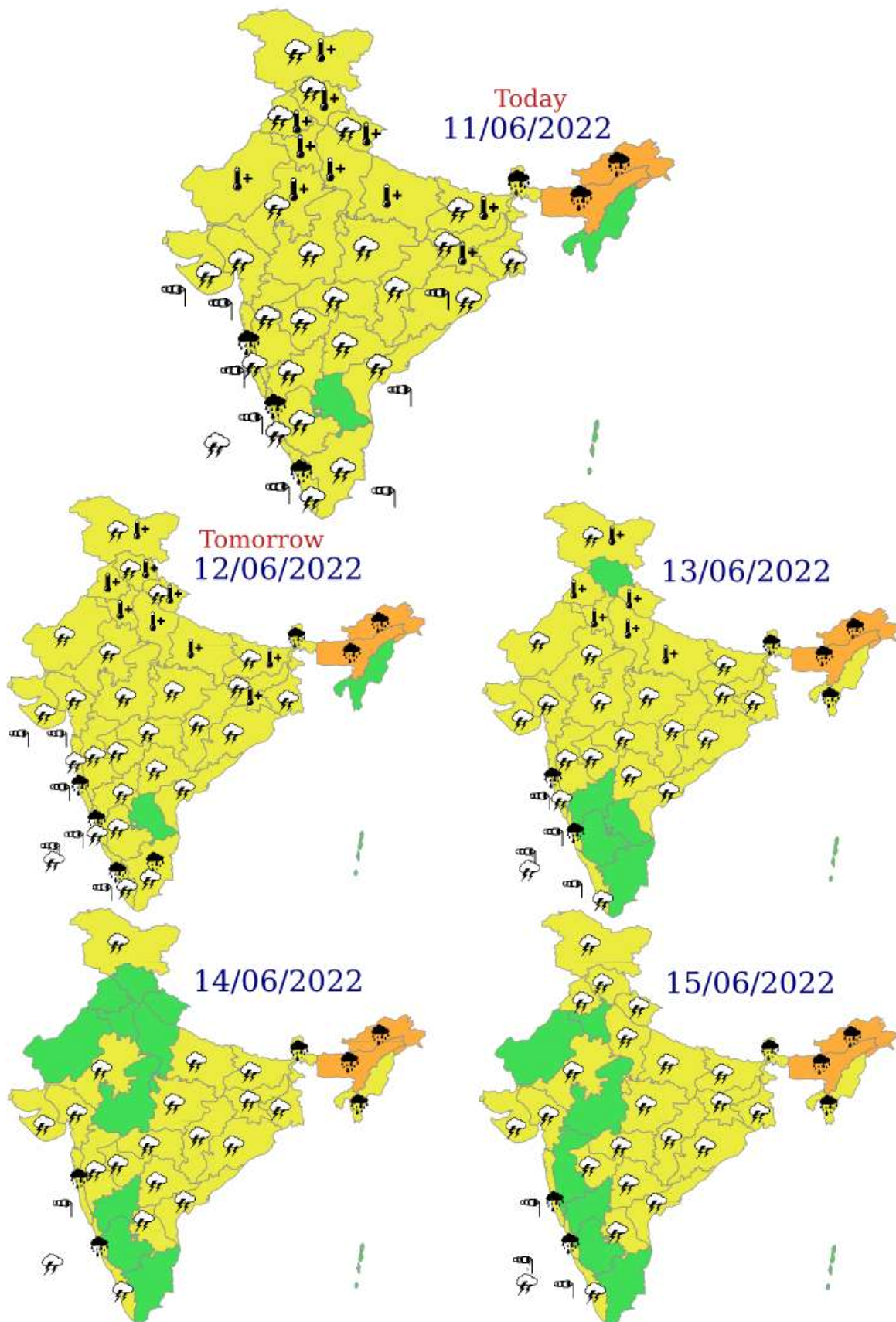
- No significant change in maximum temperatures very likely over Northwest India during next 4 days and gradual fall by 2-3° C thereafter.
- No significant change in maximum temperatures very likely over Central India and East India during next 2 -3 days and gradual fall by 2-3° C thereafter.
- No significant 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

- Punjab, Haryana-Delhi, Uttar Pradesh, Uttarakhand & Jammu division during 11<sup>th</sup>-13<sup>th</sup>
- Himachal Pradesh, Bihar & Jharkhand on 11<sup>th</sup> & 12<sup>th</sup>
- North Rajasthan 11<sup>th</sup> June.

**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 next 5 days.**

**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.

## 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