



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

**Press Release  
Date: 10<sup>th</sup> June, 2022  
Time of Issue: 1330 hrs IST**

**Subject: i) Southwest Monsoon has further advanced into some more parts of central Arabian sea, entire Goa, some parts of Konkan and some more parts of Karnataka.  
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 **very heavy rainfall** occurred over Sub-Himalayan West Bengal & Sikkim and **heavy rainfall** over Assam & Meghalaya, Arunachal Pradesh and Tamilnadu.
- Rainfall (in cm): ; **Sub-Himalayan West Bengal:** Jalpaiguri: Neora-12, Murti, NH 31 Bridge-7 each; **Meghalaya:** South Garo Hills: Baghmara -10; South west Khasi Hill: Mawkyrwat-10; **Assam:** Lakhimpur: Chauldhowaghat-7; **Arunachal Pradesh:** West Siang: Basar-7; **Tamilnadu:** Madurai: Kallandri-7.
- Yesterday, Heat Wave Conditions prevailed in isolated pockets over Northwest Rajasthan, Himachal Pradesh, Haryana, Delhi, Jharkhand, Odisha, Chhattisgarh, Punjab and East Uttar Pradesh.

**Advancement of Southwest Monsoon:**

- Southwest Monsoon has further advanced into some more parts of central Arabian Sea, entire Goa, some parts of Konkan and some more parts of Karnataka.
- The **Northern Limit of Monsoon (NLM)** now passes through Lat. 16°N/ Long. 60°E, Lat. 16°N/ Long. 70°E, Vengurla, Chikmagalur, 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 more parts of central Arabian Sea, some more parts of south Maharashtra, Karnataka, remaining parts of Tamilnadu, some parts of south Andhra Pradesh and 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 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 12<sup>th</sup>-14<sup>th</sup> June. **Isolated extremely heavy rainfall also likely over Assam & Meghalaya during 11<sup>th</sup>-14<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.
  - Isolated **hailstorm** also likely over Vidarbha and Chhattisgarh 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 Tamilnadu on 10<sup>th</sup>; Coastal Karnataka during 10<sup>th</sup>-13<sup>th</sup> and over Kerala & Mahe during 10<sup>th</sup>- 12<sup>th</sup> June, 2022.**
  - 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 to very heavy rainfall also likely over Konkan & Goa during next 5 days.**

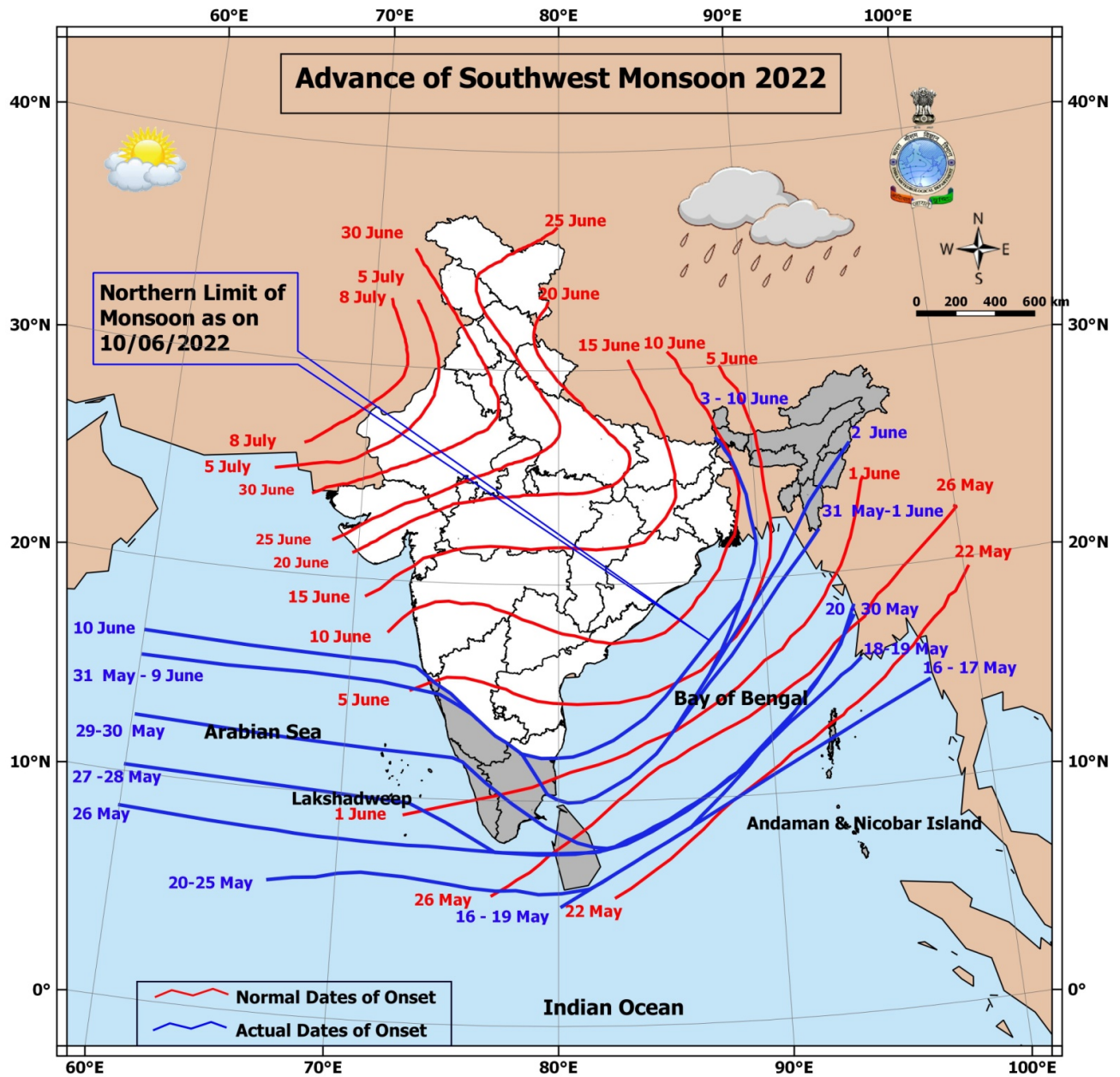
#### **Maximum Temperature forecast and Heat wave warnings:**

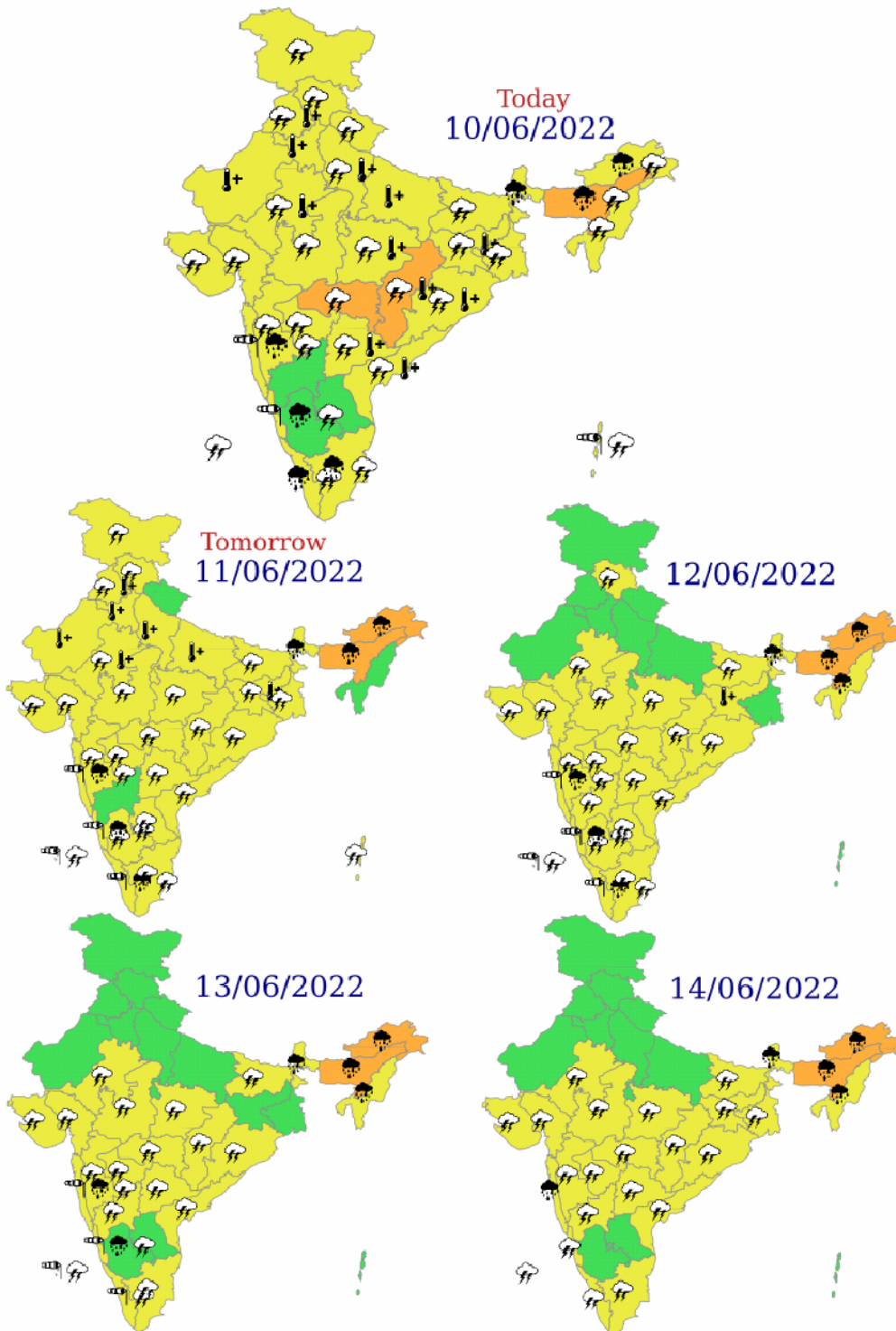
- No significant change in maximum temperatures very likely over Northwest & central India during next 48 hours and gradual fall in maximum temperatures by 2-3°C thereafter.
- No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

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

- Jharkhand during 10<sup>th</sup>-12<sup>th</sup>;
- Punjab, Haryana-Delhi, Uttar Pradesh, north Rajasthan on 10<sup>th</sup> & 11<sup>th</sup> June;
- Northeast Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh, Telangana, interior Odisha on 10th June.

**Multi-hazard warning is given in annexure-II.**





**EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rainfall over Assam & Meghalaya during next 5 days & Arunachal Pradesh during 11<sup>th</sup>-14<sup>th</sup> June.**

**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 kutchha 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)



**Thunderstorm with Lightning**

**Heat Wave**

<b>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75