



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 12th June, 2022
Time of Issue: 1330 hrs IST

Subject: i) Intense spell of rainfall likely to continue along the west peninsular coast during 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.
ii) Heat Wave Conditions likely to continue in isolated pockets over Punjab, Haryana, Delhi and southeast Uttar Pradesh during next 2 days and abatement thereafter.

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

- Isolated **extremely heavy rainfall** occurred over Assam & Meghalaya; **heavy to very heavy rainfall** over Telangana, East Rajasthan, Konkan & Goa, Sub-Himalayan West Bengal and **heavy rainfall** over Arunachal Pradesh and Madhya Maharashtra. (Annexure I)
- Yesterday, **heat wave conditions** prevailed in some parts over Himachal Pradesh and southeast Uttar Pradesh and in isolated pockets over Haryana, Delhi, Jharkhand, northeast Madhya Pradesh, Punjab & Uttarakhand.

Advance of Southwest Monsoon:

- The Northern Limit of Monsoon (NLM) continues to pass 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 Telangana, Andhra Pradesh, Westcentral & northwest Bay of Bengal during next 24 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 Telangana, 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 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 14th-16th June. Isolated **extremely heavy rainfall** also likely over Assam & Meghalaya during 12th-16th June.

- Rainfall activity likely to increase over Bihar, Jharkhand, Odisha and Gangetic West Bengal with fairly widespread to widespread rainfall with **thunderstorm/lightning/gusty winds** during 14th-16th June.
 - Isolated/scattered rainfall with **thunderstorm/lightning/gusty winds** very likely over Madhya Pradesh and scattered to fairly widespread rainfall over Vidarbha and Chhattisgarh during next 5 days. Isolated **heavy rainfall** likely over West Madhya Pradesh on 12th and over Chhattisgarh on 15th & 16th June.
- 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 likely over Andhra Pradesh & Yanam, Telangana and Tamilnadu, Puducherry & Karaikal during next 3 days and increase thereafter with scattered to fairly widespread rainfall over the region during subsequent 2 days.
 - Isolated **heavy rainfall** very likely over Tamilnadu on 12th; over Kerala & Mahe on 12th & 16th; over Coastal Karnataka on 12th & 13th and over Telangana during 12th-14th 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 **heavy to very heavy rainfall** likely over Konkan & Goa during next 3 days and isolated **heavy rainfall** over Ghat regions of Madhya Maharashtra today.
- Under the influence of fresh western Disturbance and lower level easterlies:
- Scattered to fairly widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Jammu, Kashmir, Ladakh, Gilgit- Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand & East Uttar Pradesh and isolated to scattered rainfall over Punjab, Haryana, Chandigarh & Delhi on 15th & 16th June.

Maximum Temperature forecast and Heat wave warnings:

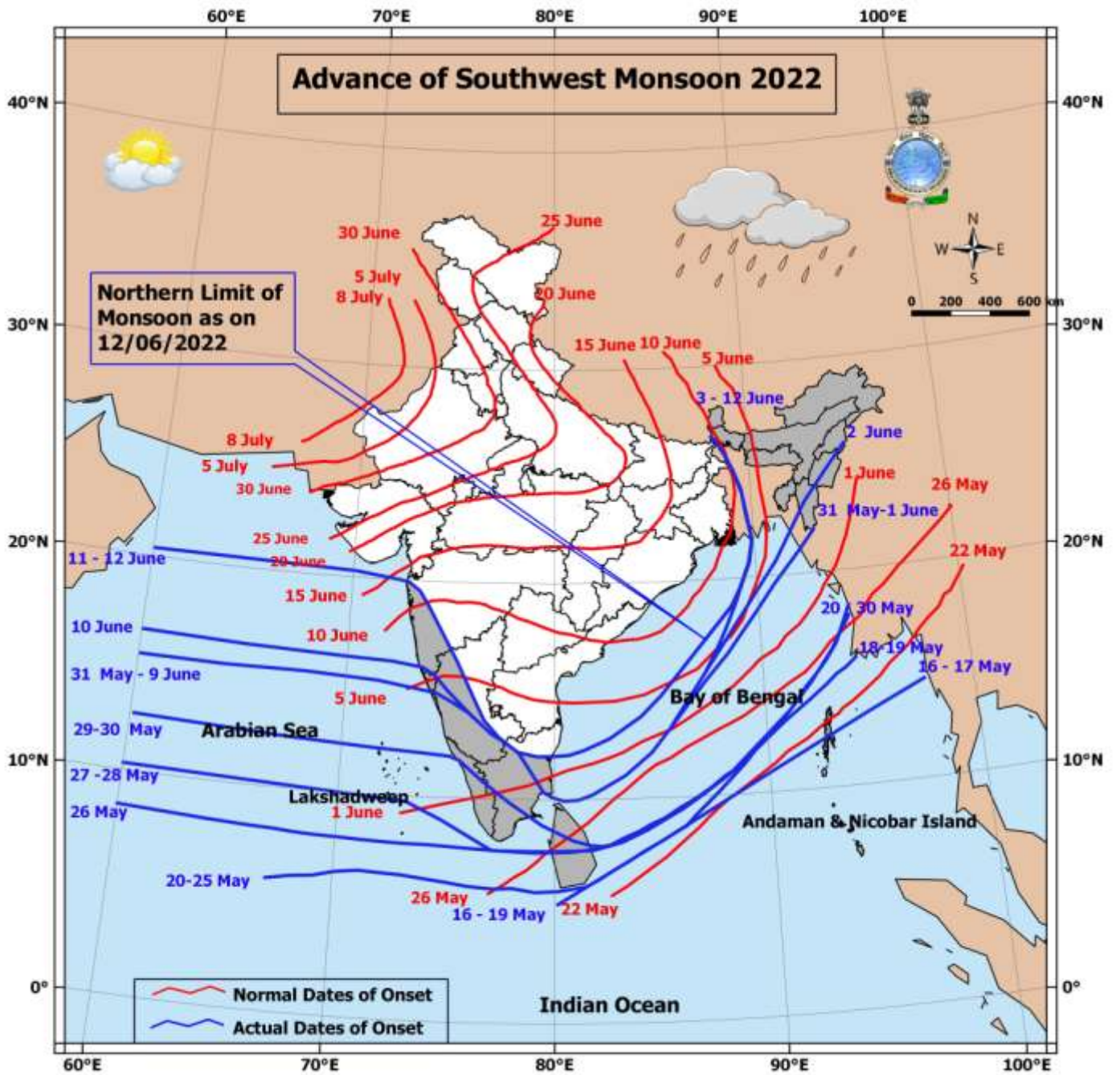
- No significant change in maximum temperatures very likely over Northwest India during next 2 days and gradual fall by 2-3° C thereafter.
- Fall in maximum temperatures by 2-3° C very likely over central India during next 3 days and no significant change thereafter.
- No significant change in maximum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

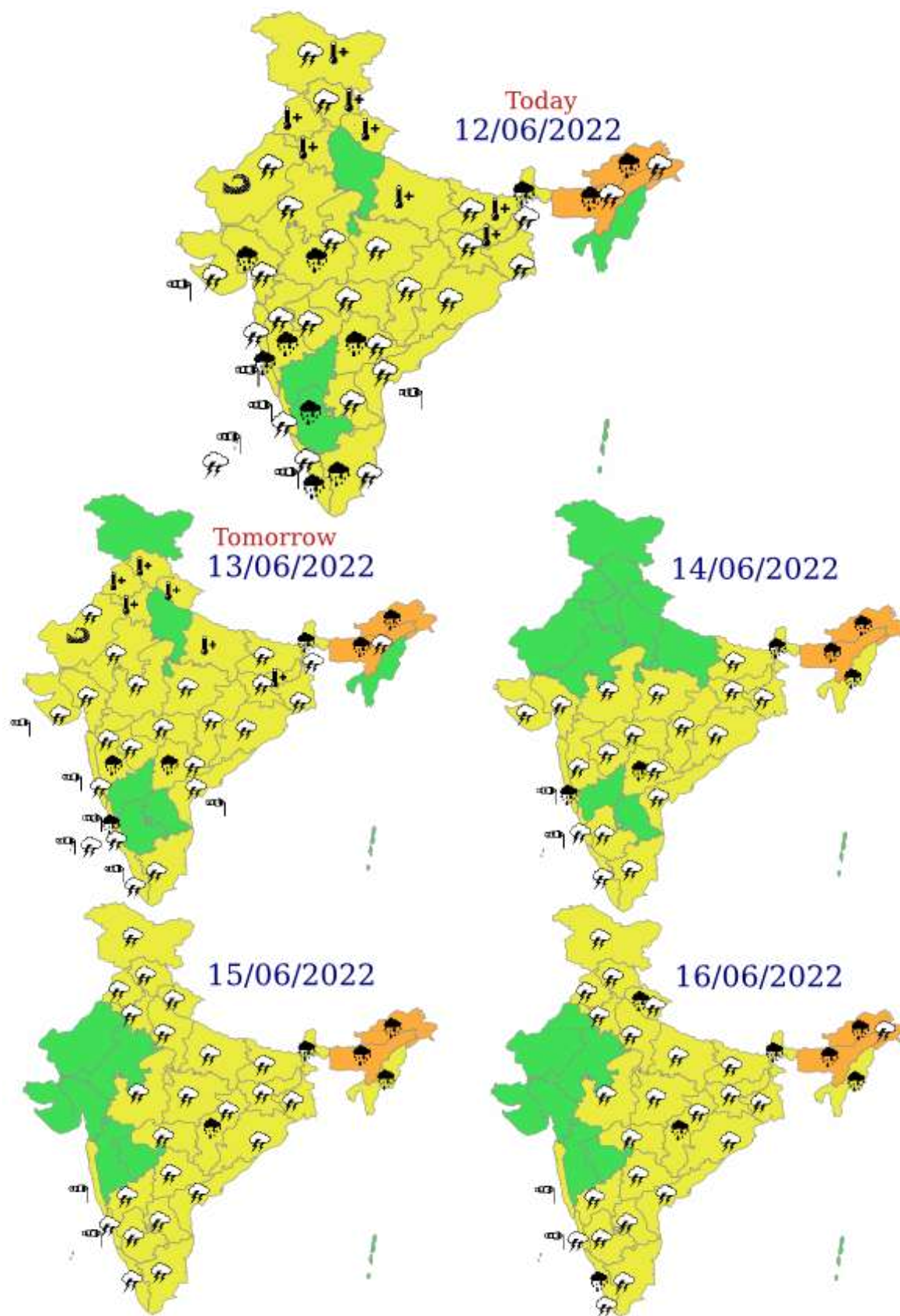
Heat wave warnings: Heat wave conditions have been abated from most parts of central & adjoining east India. However, Heat wave conditions in isolated places very likely over

- Jammu division on 12th and Punjab, Haryana-Delhi, East Uttar Pradesh, Himachal Pradesh, Uttarakhand on 12th & 13th June.

Multi-hazard warning is given in annexure III

- **Rainfall (in cm):** , **Meghalaya:** Sohra: 37, Mawkyrwat-32, Anlarem-23, Willimanagar, Jowai-21 each, Nongstoin-12, **Assam:** Bilasipara-21, Kokrajhar-17, Gossaigaon, Bijni-15 each, Dhubri-9, Kampur, Manikpur-7 each, **Konkan & Goa:** South Goa: Mormugao-18, Dabolim-11, North Goa: Panjim-13, Pernem-9, Mapusa-7, Sindhudurg: Kudal, Malvan-7 each, **Sub-Himalayan West Bengal:** Cooch Behar: Cooch Behar-14, Jalpaiguri: Domohani, Kumargram-11 each, Alipurduar, Barobhisha-10 each, Neora-8, Nagarkata, Jalpaiguri, Chepan-7 each, **East Rajasthan:** Dungarpur: Aspur-13, Banswara: Garhi-12, Udaipur: Salumber-11; **Telangana:** Madnur-12, Dharmapuri-11, Dandepalle-9, **Arunachal Pradesh:** Basar-11, Tuting-7; **Chhattisgarh:** Kabirdham: Kawardha-10, Balod: Gundardehi-7, Durg: Patan-7, **West Madhya Pradesh:** Khandwa-8, Dhar, Ratlam-7 each; **Madhya Maharashtra:** Ahmednagar: Pathardi-7, Nandurbar: Akkalkuwa-6, Nashik: Dindori-5, **Marathwada:** Latur, Nanded, Parbhani-5 each; **Gujarat state:** Dangs-6, Tapi, Gir Somnath-5 each, Surat-4, **Bihar:** Kishanganj-6.





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.

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