



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 03rd June, 2022
Time of Issue: 1315 hrs IST

- Subject: i) Southwest Monsoon covered entire northeastern states and some parts of Sub Himalayan West Bengal & Sikkim.**
- ii) Intense spell of rainfall over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 5 days.**
- iii) Heat Wave Conditions in isolated pockets over Northwest & Central India during next 3 days.**

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

- Isolated **heavy to very heavy rainfall** occurred over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim and **heavy rainfall** over Arunachal Pradesh and Gangetic West Bengal. (Annexure-II).
- **Yesterday, Heat wave conditions** observed at isolated places over West Rajasthan and Vidarbha.

Advancement of Southwest Monsoon:

- Southwest Monsoon has further advanced into some more parts of northwest and westcentral Bay of Bengal, remaining parts of northeast & eastcentral Bay of Bengal, entire northeastern states and some parts of Sub Himalayan West Bengal & Sikkim, today, the 3rd June 2022.
- The Northern Limit of Monsoon (NLM) now passes through Lat. 15°N/ Long. 60°E, Lat. 15°N/ Long.70°E, Karwar, Chikmagaluru, Bengaluru, Dharmapuri, Lat.10°N/Long.80°E, Lat. 11.0°N/Long.83°E, Lat.14.0°N/Long.86°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:

- A cyclonic circulation lies over north Coastal Odisha and adjoining Gangetic West Bengal & northwest Bay of Bengal in mid-tropospheric levels; the east-west trough from East Uttar Pradesh to Nagaland, 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. Under their influence:
 - ✓ Fairly widespread/ widespread light/moderate rainfall with isolated **heavy falls** very likely over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 5 days.
 - ✓ Isolated **heavy to very heavy rainfall** very likely over Assam & Meghalaya and Arunachal Pradesh on 03rd, 04th and 07th and over Sub-Himalayan West Bengal & Sikkim on 03rd, 06th & 07th June. Isolated **extremely heavy falls** also likely over Meghalaya on 03rd & 04th June.
 - ✓ Isolated/scattered rainfall with **thunderstorm/lightning/gusty winds** very likely over Bihar, Jharkhand, Odisha and Gangetic West Bengal next 5 days.

- A cyclonic circulation lies over Sri Lanka & neighbourhood in lower tropospheric levels and monsoonal westerly winds from Arabian Sea over the south peninsular India. Under their influence:
- ✓ Fairly widespread/ widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Coastal Karnataka, South Interior Karnataka, Kerala & Mahe and Lakshadweep and isolated to scattered over Andhra Pradesh, Telangana, North Interior Karnataka & Tamilnadu, Puducherry & Karaikal during next 5 days. Isolated **heavy rainfall** also likely over Tamilnadu on 03rd & 04th and over Kerala & Mahe and South Interior Karnataka during 03rd-05th June, 2022.
 - ✓ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over southeast and adjoining eastcentral Arabian Sea, Lakshadweep area, off Kerala coast on 03rd & 04th; southeast Bay of Bengal and adjoining south Andaman Sea on 03rd; southeast & southwest Bay of Bengal on 04th; southwest & adjoining westcentral Bay of Bengal on 06th and westcentral Bay of Bengal on 07th June, 2022. **Strong Winds** (wind speed 40-50 kmph gusting to 60 kmph) over southwest & adjoining westcentral Arabian Sea, Comorin area, gulf of Mannar, south Tamil Nadu coast 03rd & 04th southwest Arabian Sea during next 5 days. Fishermen are advised not to venture into these areas.

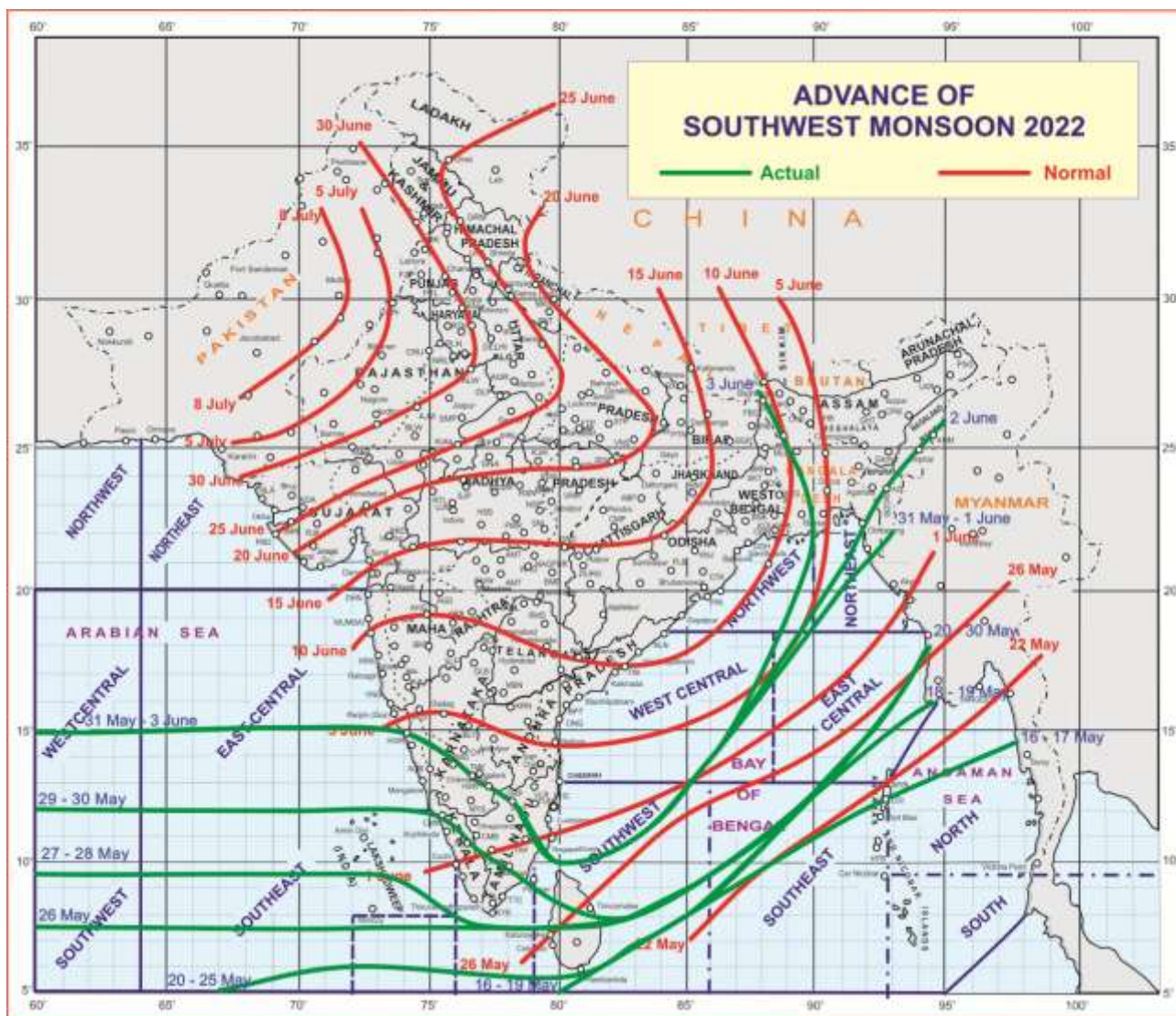
Maximum Temperature forecast and Heat wave warnings:

- ✓ No significant change in maximum temperatures very likely over most parts of Northwest & Central India during next 2 days and fall by 2-4°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 some/isolated places very likely over Vidarbha & southwest Uttar Pradesh during 03rd-05th; Rajasthan, Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh and Telangana on 03rd & 04th; south Punjab, south Haryana & East Uttar Pradesh on 04th & 05th June, 2022.

Multi-hazard warning is given in annexure-III.

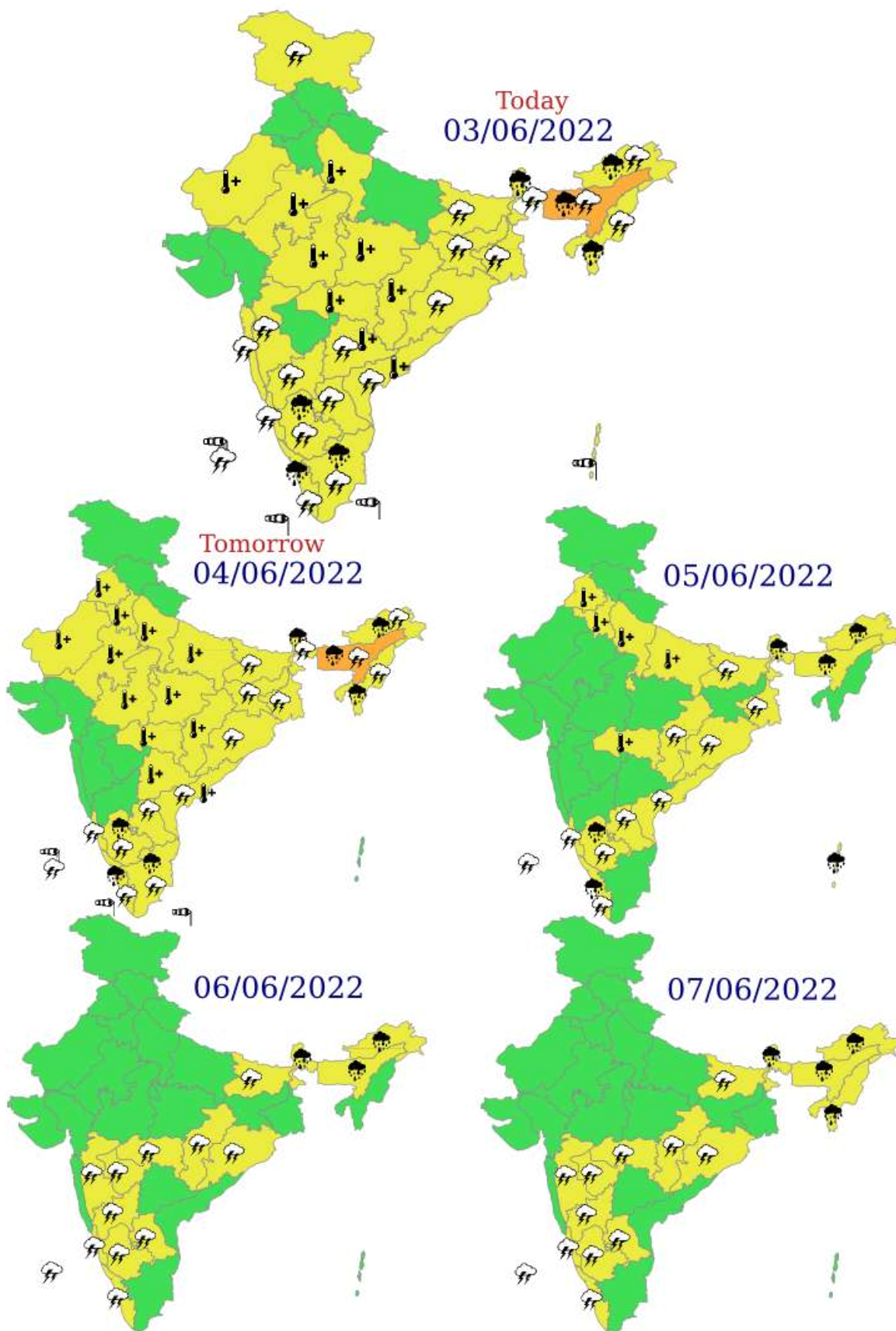


Assam & Meghalaya: Rongara & Lakhimpur-12 each, Khliehriat, Karimganj, Shora & BP Ghat-10 each, NT XING(Ranganadi), Anlarem & Jowai-8 each, AP Ghat, Silchar-7;

Sub-Himalayan West Bengal & Sikkim: Jalpaiguri: Buxaduar-14, **East Sikkim:** Gangtok-10, Tadong-7;

Gangetic West Bengal: **Birbhum:** Hetampur-8 Rampurhat-7, **Murshidabad:** Kandi-7;

Arunachal Pradesh: Bhalukpong-7;



EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy Rainfall over Assam & Meghalaya and Arunachal Pradesh on 03rd & 04th 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.

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)



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

