



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

**Press Release
Date: 04th June, 2022
Time of Issue: 1330 hrs IST**

**Subject: i) Increase in rainfall activity likely over South Peninsular India from 07th June.
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 2-3 days.**

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

- Isolated **extremely heavy rainfall** occurred over Meghalaya; **heavy to very heavy rainfall** over Assam, Arunachal Pradesh and Sub-Himalayan West Bengal & Sikkim and **heavy rainfall** over Bihar, Kerala and South Interior Karnataka. (Annexure-II).
- **Yesterday, Heat wave conditions** in most parts over Northern parts of West Rajasthan & eastern Vidarbha and in some parts over Bundelkhand Region.

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, Chikmagalur, 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:

- An east-west trough runs from East Uttar Pradesh to Nagaland and strong southwesterly winds from Bay of Bengal to Northeast India prevail in lower tropospheric levels. Under their influence:
 - ✓ Fairly widespread/ widespread light/moderate rainfall with isolated **heavy to very heavy rainfall** very likely over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim during next 5 days and over Arunachal Pradesh on 07th & 08th June. Isolated **extremely heavy falls** also likely over Meghalaya on 04th June.
 - ✓ 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 on 04th June, 2022.
- Increase in rainfall activity is likely over South Peninsular India from 07th June:
 - ✓ Fairly widespread/ widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Coastal & 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** likely over North Interior Karnataka on 08th; Tamilnadu on 04th & 05th and over Kerala & Mahe and South Interior Karnataka on 04th, 05th, 07th & 08th June, 2022.

- ✓ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over eastcentral Arabian Sea, southeast & adjoining westcentral Bay of Bengal on 04th, southeast & southwest Bay of Bengal on 05th; east central Arabian Sea, adjoining south east Arabian Sea, Lakshadweep area, along and off Kerala coast 07th & 08th June, 2022. **Strong Winds** (wind speed 40-50 kmph gusting to 60 kmph) over southwest Arabian Sea, Kerala coast, Lakshadweep area and adjoining Comorin area on 04th; south west Bay of Bengal on 05th; southwest Arabian Sea during next 5 days. Fishermen are advised not to venture into these areas.

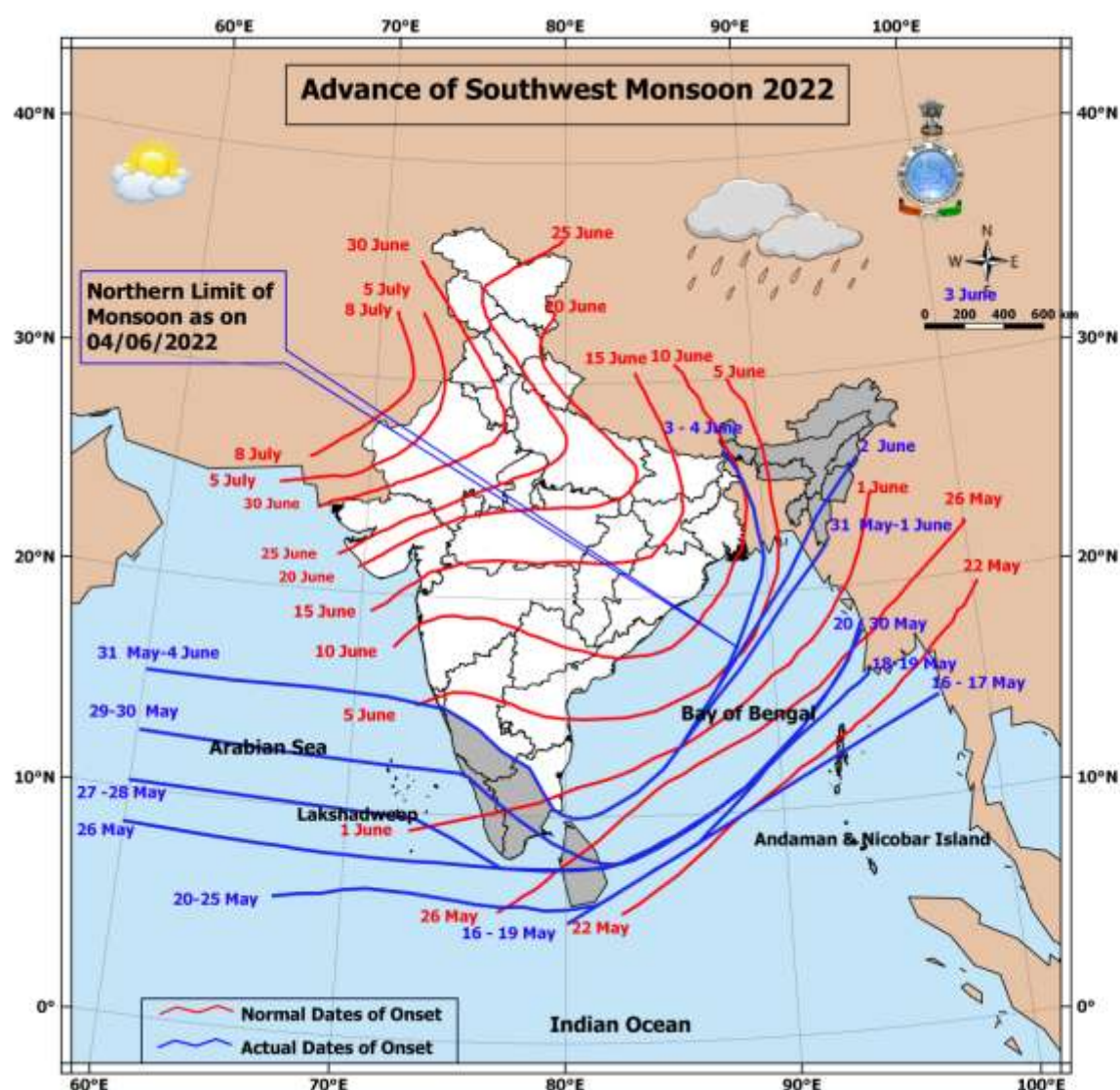
Maximum Temperature forecast and Heat wave warnings:

- ✓ Rise in maximum temperatures by about 2°C very likely over most parts of Northwest & Central India and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over Gujarat during next 3 days and fall by 2-3°C over south Gujarat 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 Rajasthan, Jammu Division, Himachal Pradesh, Uttarakhand, south Punjab & south Haryana-Delhi on 04th & 05th; Vidarbha, Jharkhand, interior Odisha & Chhattisgarh during 04th-06th and over south Uttar Pradesh & north Madhya Pradesh during 04th-08th June, 2022.
- ✓ **Strong Surface Winds** (with speed 30-40 kmph) very likely over Rajasthan & northwest Madhya Pradesh on 04th & 05th. June, 2022.

Multi-hazard warning is given in annexure-III.



Meghalaya: MAWSYNRAM & SOHRA-21 each, ANLAREM(ARG) & KHLIEHRIAT-20 each, KHLIEHRIAT (ARG)-19, JOWAI-16, SHELLA-15, MAWKYRWAT-12, MAWPHLANG-10;

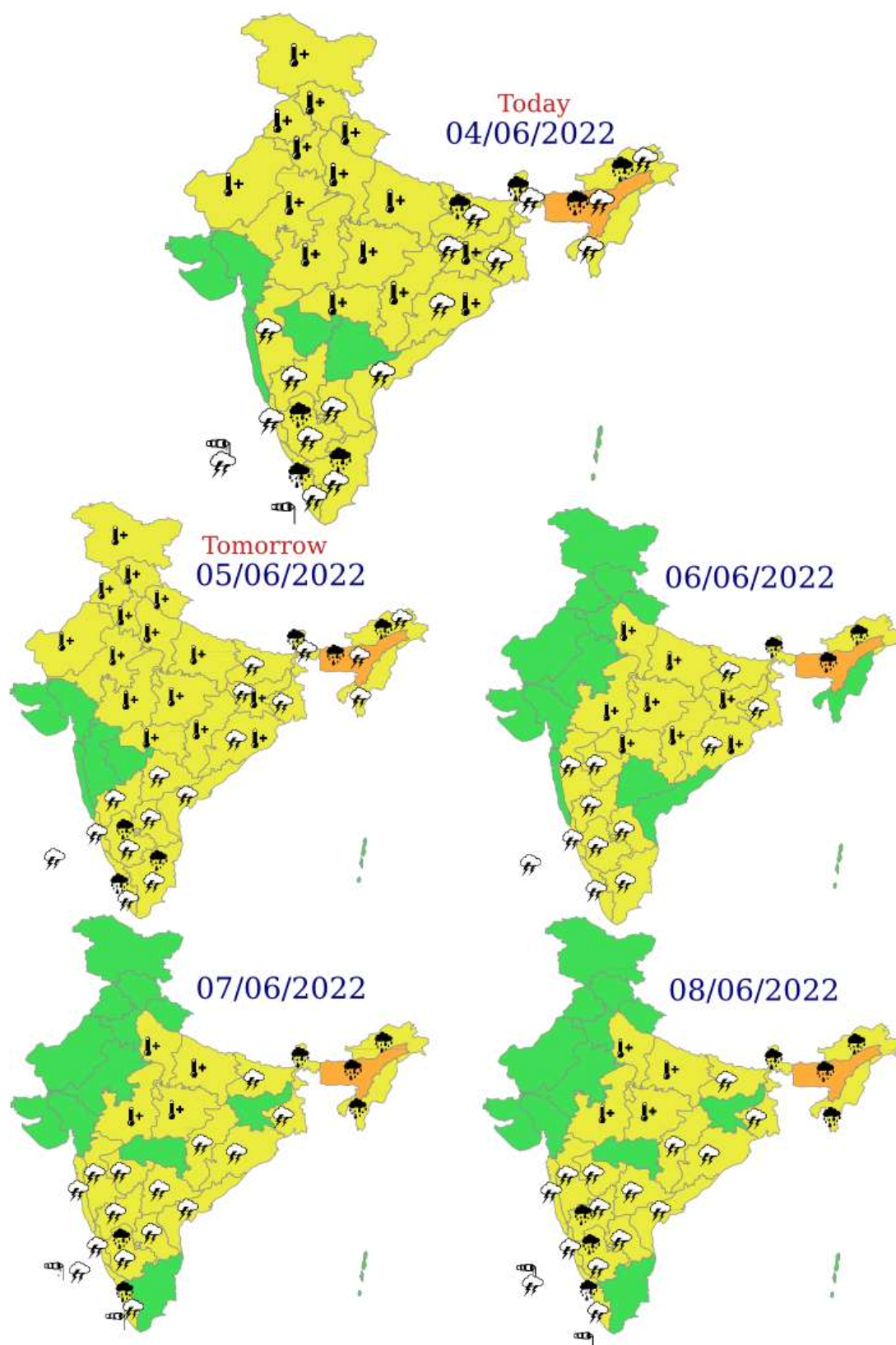
Sub-Himalayan West Bengal & Sikkim: Jalpaiguri: Hasimara-14, Buxaduar-10, Gajoldoba & Neora-8 each, Kumargram-7; **West Sikkim:** Gyalsingh-10; **Cooch Behar:** Cooch Behar-8, Mathabhanga-7; **South Dinajpur:** Majhian-8, **Darjeeling:** Rongo-8;

Assam: KARIMGANJ-12, TIHU(ARG)-8, PUTHIMARI-7;

Arunachal Pradesh: PASSIGHAT & ITANAGAR (CWC)-8, SEPPA-7;

KERALA: Malappuram: Ponnani-8, Karipur AP & Vakkad AWS-5 each,

South Interior Karnataka: Tumakuru: Tiptur- 7, Kunigal & Kunigal Arg -5 each,



EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy Rainfall over Assam & Meghalaya & Sub-Himalayan West Bengal-Sikkim during next 5 days and Arunachal Pradesh on 07th & 08th 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)



 **Thunderstorm with Lightning**

 **Heat Wave**



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