



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 27th May, 2022
Time of Issue: 1330 hrs IST

Subject: (I) Conditions are becoming favorable for onset of Southwest Monsoon over Kerala during next 2-3 days.
(II) No significant heat wave conditions very likely over the country during next 5 days.

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

- Isolated **heavy to very heavy rainfall** occurred over Sub-Himalayan West Bengal and **heavy rainfall** over Kerala, Tripura and Arunachal Pradesh.
- **Chief amount of rainfall (in cm): Sub-Himalayan West Bengal: Cooch Behar: Pundibari-12; Kerala: Palakkad: Mannarkad-9, Kanjirapuzha-7, Wayanad: Meenangadi-7; Arunachal Pradesh: Dambuk-9; Tripura: Dharamnagar-8.**

Advancement of Southwest Monsoon:

- Southwest Monsoon has further advanced into some more parts of South Arabian Sea, entire Maldives & adjoining areas of Lakshadweep and some more parts of Comorin area. The Northern Limit of Southwest Monsoon now passes through 9.5°N/60°E, 9.5°N/70°E, 9.5°N/73°E, 7.5°N/77°E, 8.0°N/83°E, 12.5°N/90°E, 16.0°N/93°E and 18.0°N/94.5°E. **(Annexure I)**
- As per the latest meteorological indications, westerly winds have strengthened in the lower levels over the south Arabian Sea and deepened. As per satellite imagery, there is increase in cloudiness over Kerala coast and adjoining southeast Arabian Sea. Hence, conditions are becoming favorable for monsoon onset over Kerala during next 2-3 days. Further conditions are also favourable for advance of Southwest Monsoon into some more parts of Arabian Sea and Lakshadweep area during the same period.

Rainfall/thunderstorm Forecast & Warnings:

- Under the influence of east-west trough from northwest Rajasthan to south Bihar and southwesterly winds from Bay of Bengal to northeast India at lower tropospheric levels:
 - ✓ Scattered to fairly widespread light/moderate rainfall very likely over Northeast India and isolated to scattered rainfall with isolated **thunderstorm/lightning/gusty winds** over Bihar, Jharkhand, Odisha and West Bengal & Sikkim during next 5 days.
 - ✓ **Isolated heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh on 30th & 31st; over Assam-Meghalaya during 27th-31st and over Nagaland, Manipur, Mizoram & Tripura on 27th, 30th & 31st May, 2022.
- Under the influence of westerly winds from Arabian Sea over the south peninsular India in lower tropospheric levels:
 - ✓ Widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Kerala & Mahe & Lakshadweep and isolated to scattered rainfall over Andhra Pradesh, Telangana, Karnataka and Tamilnadu, Puducherry & Karaikal during next 5 days. **Isolated heavy rainfall** also likely over Kerala & Mahe on 27th & 29th and over Tamilnadu on 27th May.

- ✓ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over southwest Arabian Sea during next 5 days; over Southeast Arabian Sea on 27th and Southeast Arabian Sea along & off Kerala coast & Lakshadweep area on 29th & 30th and over Northeast Arabian Sea & adjoining north Gujarat coast during 27th-29th May.
- Under the influence of a Western Disturbance as a cyclonic circulation over Iran and adjoining Afghanistan in middle tropospheric levels:
 - ✓ Scattered light/moderate rainfall with isolated **thunderstorm/lightning/gusty winds** very likely over Jammu & Kashmir, Himachal Pradesh during next 4 days and isolated rainfall over Uttarakhand, north Punjab, north Haryana, Uttar Pradesh and East Rajasthan during next 2-3 days. Isolated **hailstorm** likely over Uttarakhand on 27th & 28th May.
 - ✓ **Duststorm** activity at isolated places very likely over West Rajasthan on 28th May.

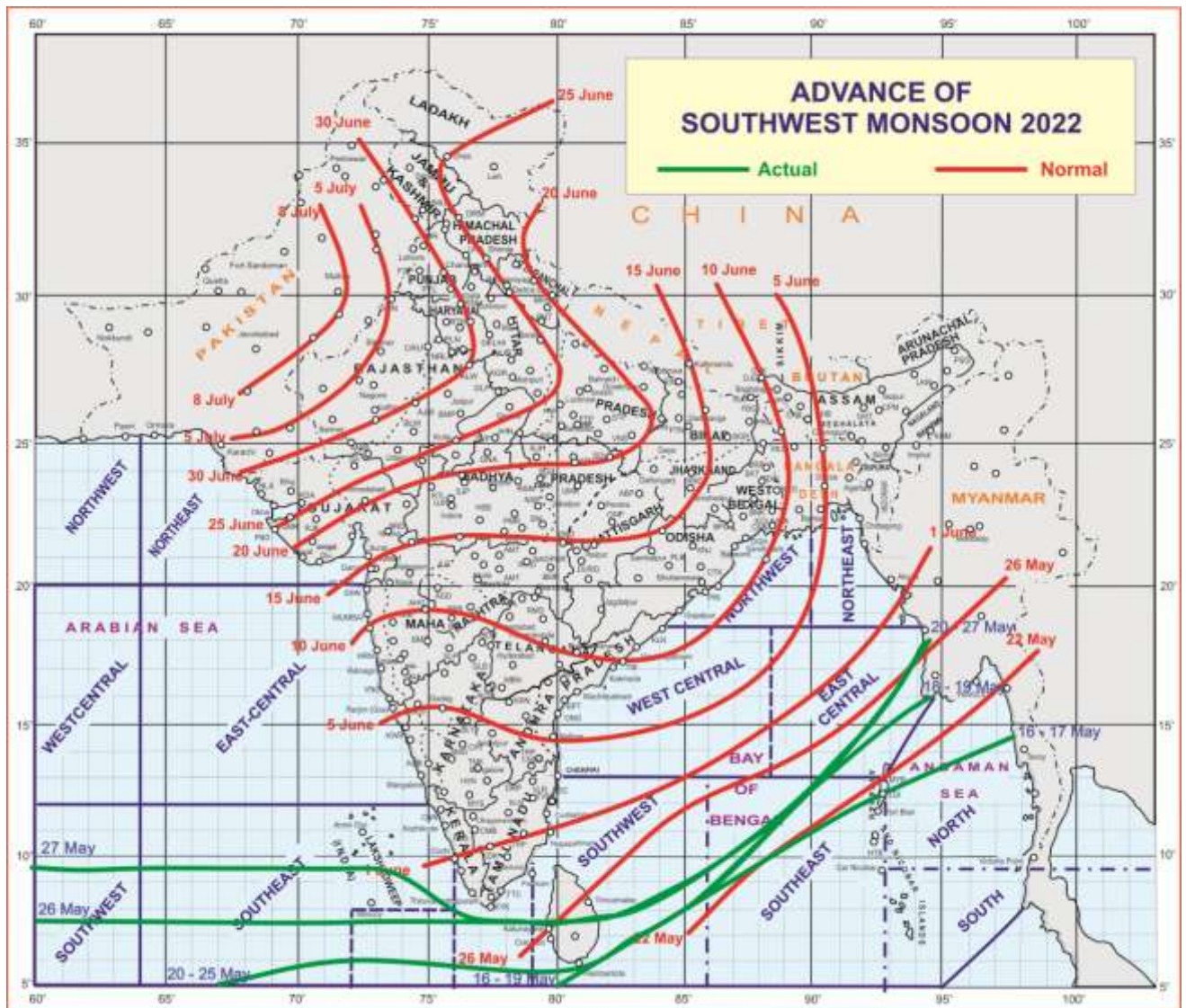
Maximum Temperature forecast and Heat Wave Warnings:

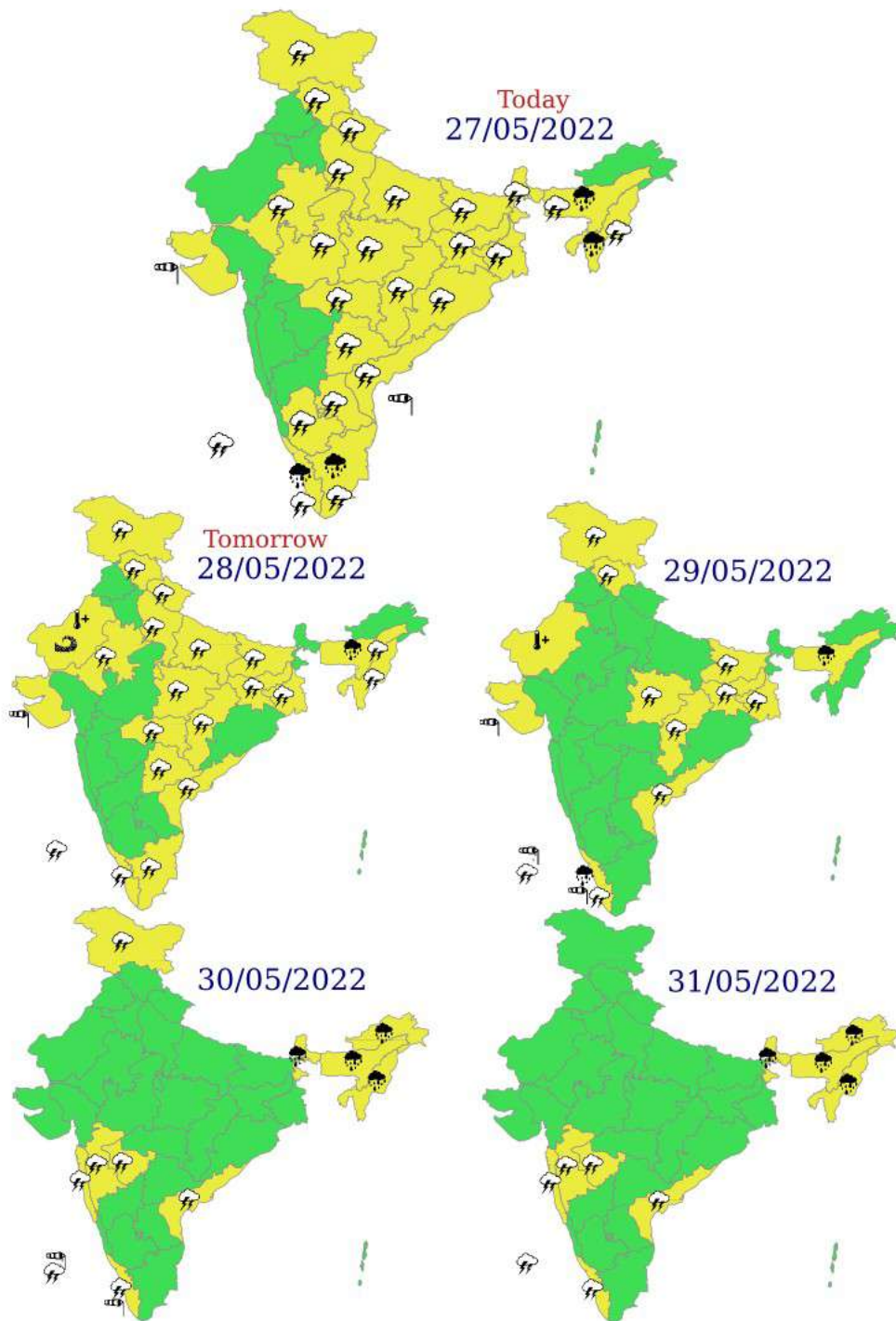
- ✓ Gradual rise in maximum temperatures by 2-3°C very likely over most parts of Northwest & Central India during next 3 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

Heat wave warnings:

- ✓ Heat Wave conditions at isolated pockets very likely over West Rajasthan on 28th & 29th May, 2022.

For more details refer: https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php





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