



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 28th 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 Tripura.
- **Chief amount of rainfall (in cm): Sub-Himalayan West Bengal:** Nagrakata-12, Bagrakote-9, Neora & Murti-8 each and **Tripura: South Tripura:** Belonia & Kanchanpur-7 each.

Advancement of Southwest Monsoon:

- The Northern Limit of Southwest Monsoon continues to pass 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).
- The conditions are becoming favorable for monsoon onset over Kerala during next 2-3 days. The conditions are also favourable for further 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 a trough in westerlies 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 Sub-Himalayan West Bengal & Sikkim and isolated to scattered rainfall with isolated **thunderstorm/lightning/gusty winds** over Bihar, Jharkhand, Odisha and Gangetic West Bengal next 5 days.
 - ✓ **Isolated heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim on 28th, 30th & 31st May; over Arunachal Pradesh on 01st June; over Assam-Meghalaya during 28th May-01st June and over Nagaland, Manipur, Mizoram & Tripura on 29th, 31st May & 01st June, 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 rainfall over Andhra Pradesh, Telangana, Karnataka and Tamilnadu, Puducherry & Karaikal during next 5 days. **Isolated heavy rainfall** also likely over Kerala & Mahe during 28th May-01st June and over Lakshadweep on 30th 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, Lakshadweep area along & off south Kerala coast and Comorin area on 29th & 30th and over Northeast Arabian Sea & adjoining north Gujarat coast on 28th & 29th May. Fishermen are advised not to venture into these areas.

- Under the influence of the **Western Disturbance** as a trough in middle & upper tropospheric levels roughly along Long.68°E & to the north of Lat.34°N:
 - ✓ Scattered/fairly widespread light/moderate rainfall with isolated **thunderstorm/lightning/gusty winds** very likely over Jammu & Kashmir and isolated light/moderate rainfall over Himachal Pradesh during next 5 days; over Uttarakhand, north Punjab, north Haryana, Uttar Pradesh and East Rajasthan during next 2-3 days. Isolated **hailstorm** likely over Jammu & Kashmir on 28th and over Himachal Pradesh & Uttarakhand on 29th May.
 - ✓ **Duststorm** activity at isolated places very likely over West Rajasthan on 28th May. **Strong Surface Winds** with speed reaching 20-30 kmph also likely over Rajasthan on 28th & 29th May.

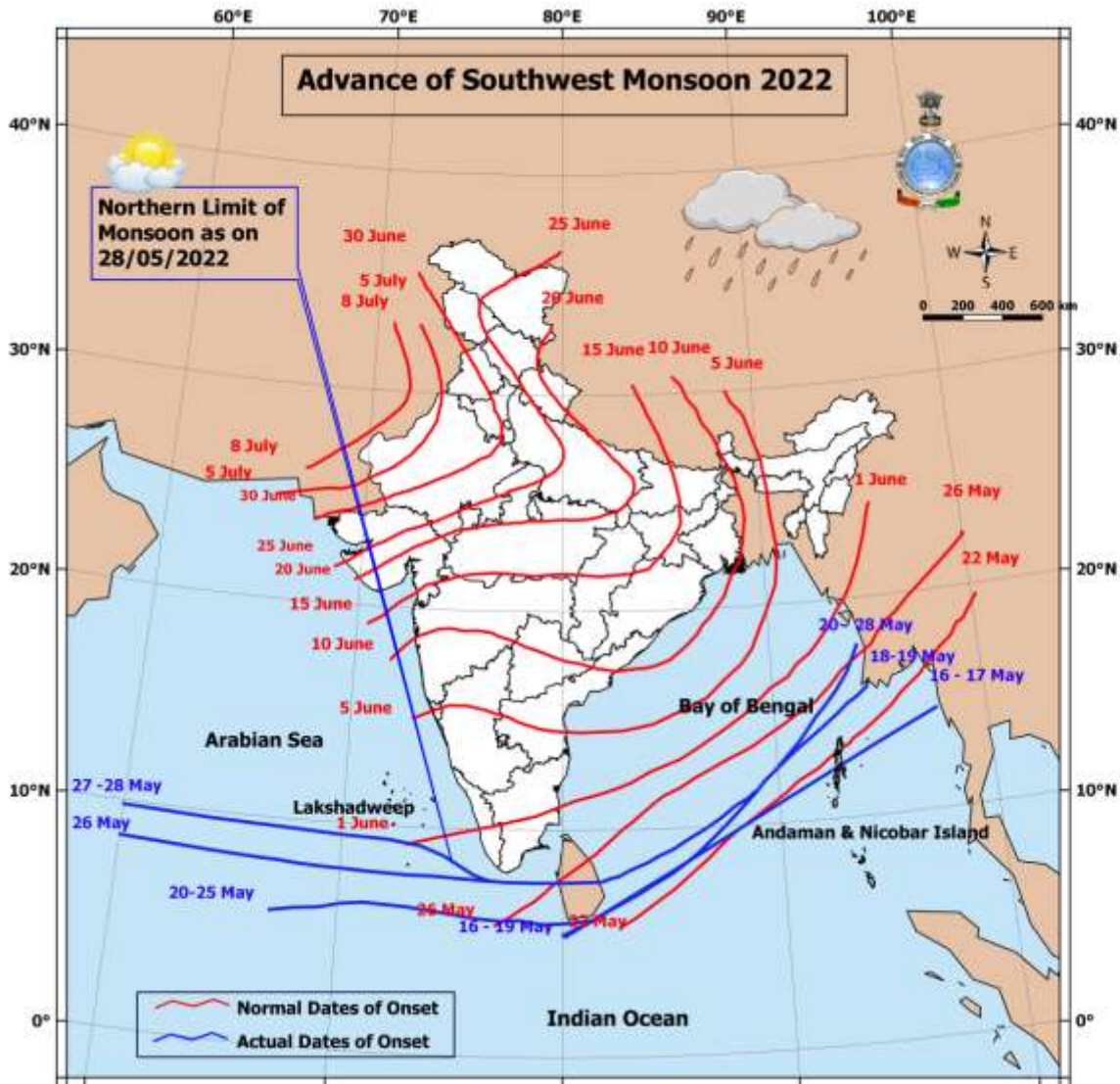
Maximum Temperature forecast and Heat wave warnings:

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

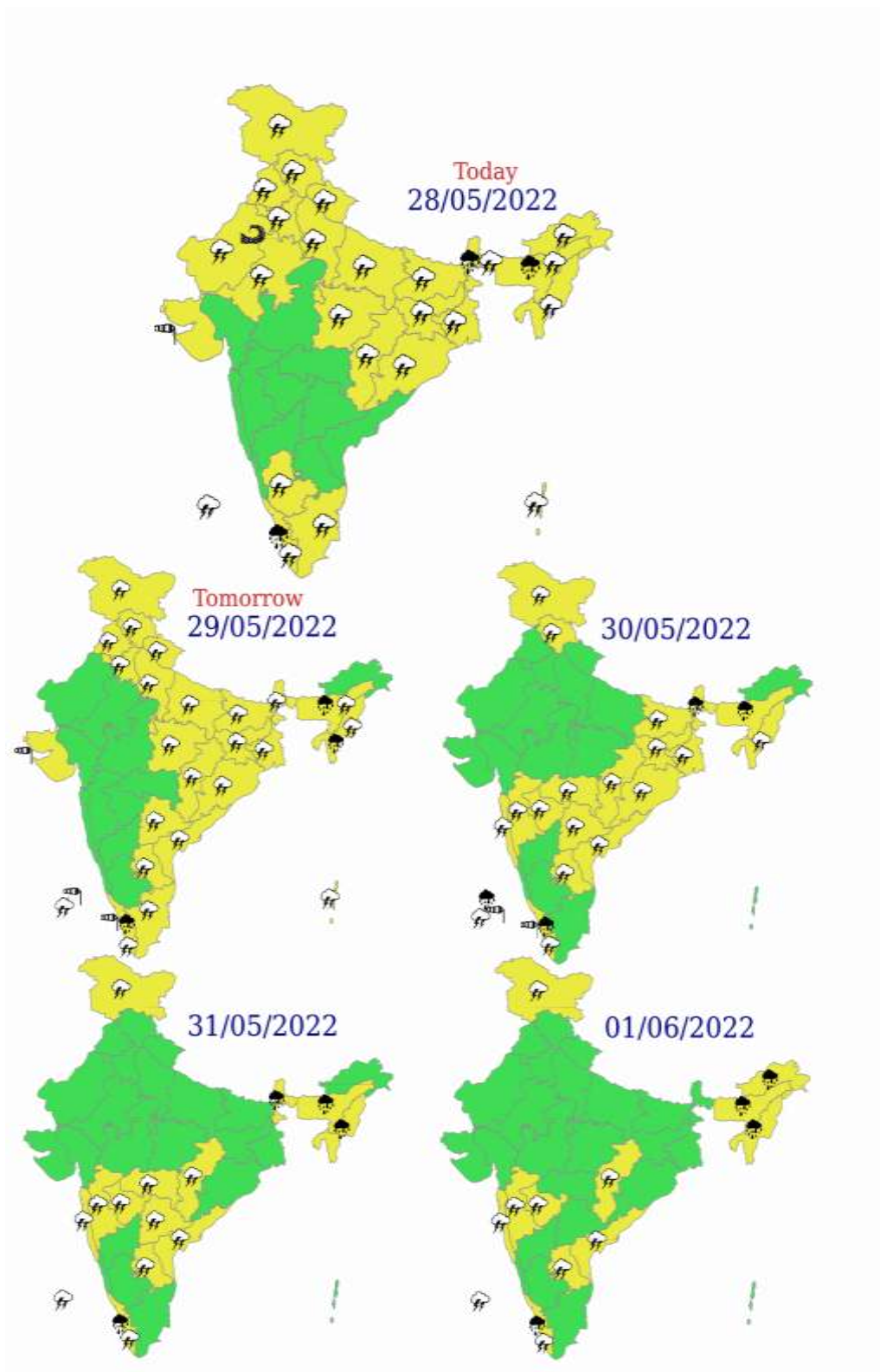
Heat wave warnings:

- ✓ No significant heat wave conditions very likely over the country during next 5 days.

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



QGIS



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

