



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

**Press Release
Date: 14th May, 2022
Time of Issue: 1350 hrs IST**

Subject:

- i) **Advance of Southwest Monsoon into South Andaman Sea, Nicobar Islands & adjoining Southeast Bay of Bengal during next 48 hours.**
- ii) **Heat wave conditions likely to continue over Northwest & Central India during next 2 days and abatement thereafter.**
- iii) **Wet spell likely to commence over Western Himalayan Region & adjoining plains of Northwest India from 16th May, 2022.**
- iv) **Enhanced Rainfall activity likely to continue over Northeast India & adjoining Sub-Himalayan West Bengal-Sikkim during next 5 days.**

Weather observed during past 24 hours:

- ✓ Isolated **heavy to very heavy rainfall with extremely heavy falls** occurred over Assam-Meghalaya and **heavy to very heavy rainfall** at isolated places over Sub-Himalayan West Bengal & Sikkim and Tripura and **heavy rainfall** at isolated places over Arunachal Pradesh, Manipur, Mizoram, Kerala and South Interior Karnataka.
- ✓ **Chief amount of rainfall (in cm): Assam-Meghalaya:** Shora-31, Jowai-29, Mawkyrwat-25, Mawphlang-17, Haflong-23, Karimganj-14, Khliehriat-13, Udalguri-12, Shillong, Anlarem & Hazuwa-11 each, Tamulpur, Matijuri, Harinagar & Dhemaji-10 each, Baksakvk-9, AP Ghat-8, Nongstoin & Dalgaon-7 each; **Tripura:** Lembuchhera & Agartala-14 each, Kadamtala-12, KVK South-11, Kailashahr-9, Dharamnagar-7; **Manipur:** Tamenglong-9, **Mizoram:** Kolasib-7; **Sub-Himalayan West Bengal & Sikkim:** North Sikkim: Mangan-17, Sankalan-15, Singhik-12; Jalpaiguri: Alipurduar-8; **Arunachal Pradesh:** Tezu-7, Passighat & Roing-8; **Kerala:** Ernakulam: Palluruthy-7; **South Interior Karnataka:** Tumakuru: Bargur-7.
- ✓ **Maximum Temperatures** (as on 13/05/2022) were **44-47°C** over most parts of Rajasthan and in some parts of West Madhya Pradesh and **40-44°C** over most parts of East Madhya Pradesh, Vidarbha; in many parts of East Uttar Pradesh, Punjab, Gujarat State; in some parts of south Haryana, West Uttar Pradesh and in isolated pockets of Madhya Maharashtra, Marathwada, Bihar, Jharkhand, Chhattisgarh, interior parts of Odisha, Telangana and Jammu Division.
- ✓ **Heat Wave to severe Heat Wave conditions** observed at most parts of West Rajasthan; **Heat Wave conditions** observed over many parts with isolated **severe heat wave** over East Rajasthan. **Heat wave condition** observed over in some parts of West Madhya Pradesh, south Haryana; in isolated pockets over Punjab, southwest Uttar Pradesh, East Madhya Pradesh and Jammu & Kashmir.

i) Advance of Southwest Monsoon into South Andaman Sea, Nicobar Islands & adjoining Southeast Bay of Bengal

- **Southwest Monsoon likely to advance into South Andaman Sea, Nicobar Islands & adjoining Southeast Bay of Bengal during next 48 hours.**

- **Due to strong cross equatorial flow from Bay of Bengal to Andaman Sea in lower tropospheric levels;**
 - ✓ Widespread rainfall with **thunderstorm/lightning/gusty winds** very likely over Andaman & Nicobar Islands during next 5 days. Isolated **heavy falls** very likely over the region during 14th-17th May.
 - ✓ **Squally weather** with wind speed reaching 40-50 kmph gusting to 60 kmph also likely over south Andaman Sea during 15th-17th May.

Rainfall/thunderstorm Forecast & Warnings for rest parts of country:

- **Due to strong southwesterly winds from Bay of Bengal to northeast & adjoining East India and east-west oriented trough running from Bihar to central Assam at lower tropospheric levels;**
 - ✓ Widespread rainfall with thunderstorm/lightning/gusty winds very likely over Northeast India & Sub-Himalayan West Bengal & Sikkim during next 5 days.
 - ✓ Isolated **heavy to very heavy falls** very likely over Arunachal Pradesh, Assam-Meghalaya and Sub-Himalayan West Bengal & Sikkim during 14th-17th May. **Isolated extremely heavy falls** also likely over Meghalaya on 14th & 15th May, 2022.
 - ✓ Isolated **heavy falls** very likely over Nagaland-Manipur-Mizoram-Tripura during 14th to 17th May.
 - ✓ Isolated to scattered rainfall with isolated **thunderstorm/lightning/gusty winds** likely over Bihar, Jharkhand, Gangetic West Bengal and Odisha during next 5 days.
- **Due to strong westerly flow from Arabian Sea to South Peninsular India in lower tropospheric levels:**
 - ✓ Fairly widespread to widespread rainfall with isolated **thunderstorm/lightning/gusty winds** very likely over Kerala, Mahe, Tamilnadu, Puducherry-Karaikal, Coastal & South Interior Karnataka & Lakshadweep with isolated **heavy falls** over Tamilnadu, Puducherry-Karaikal, Kerala-Mahe during next 5 days with isolated **heavy to very heavy falls** over Kerala-Mahe during 14th-16th May. Isolated **heavy falls** likely over Coastal Karnataka & Lakshadweep on 14th & over South Interior Karnataka during 14th-16th May.
 - ✓ Isolated to scattered rainfall activity with isolated **thunderstorm/lightning/gusty winds** very likely over Andhra Pradesh, Telangana, North Interior Karnataka and Rayalseema during next 5 days.
- **Under the influence of a fresh Western Disturbance;**
 - ✓ Isolated rainfall/thunderstorm likely over Jammu-Kashmir & Ladakh on 15th May. The rainfall activity likely to increase with scattered to fairly widespread light/moderate rainfall with **thunderstorm/lightning/gusty winds & hail** very likely over Jammu-Kashmir, Himachal Pradesh and Uttarakhand on 16th & 17th May.
 - ✓ Isolated light rainfall with **thunderstorm/lightning** very likely over north Punjab on 16th & 17th & over East Uttar Pradesh during 16th-17th May.
 - ✓ **Duststorm/Thunderstorm** at isolated places very likely over Haryana, West Uttar Pradesh and Rajasthan on 16th May.
 - ✓ **Dust Raising Winds** with speed reaching 30-40 kmph at isolated places very likely over north Rajasthan on 14th & 15th May.

iii) Heat wave spells over Northwest & Central India

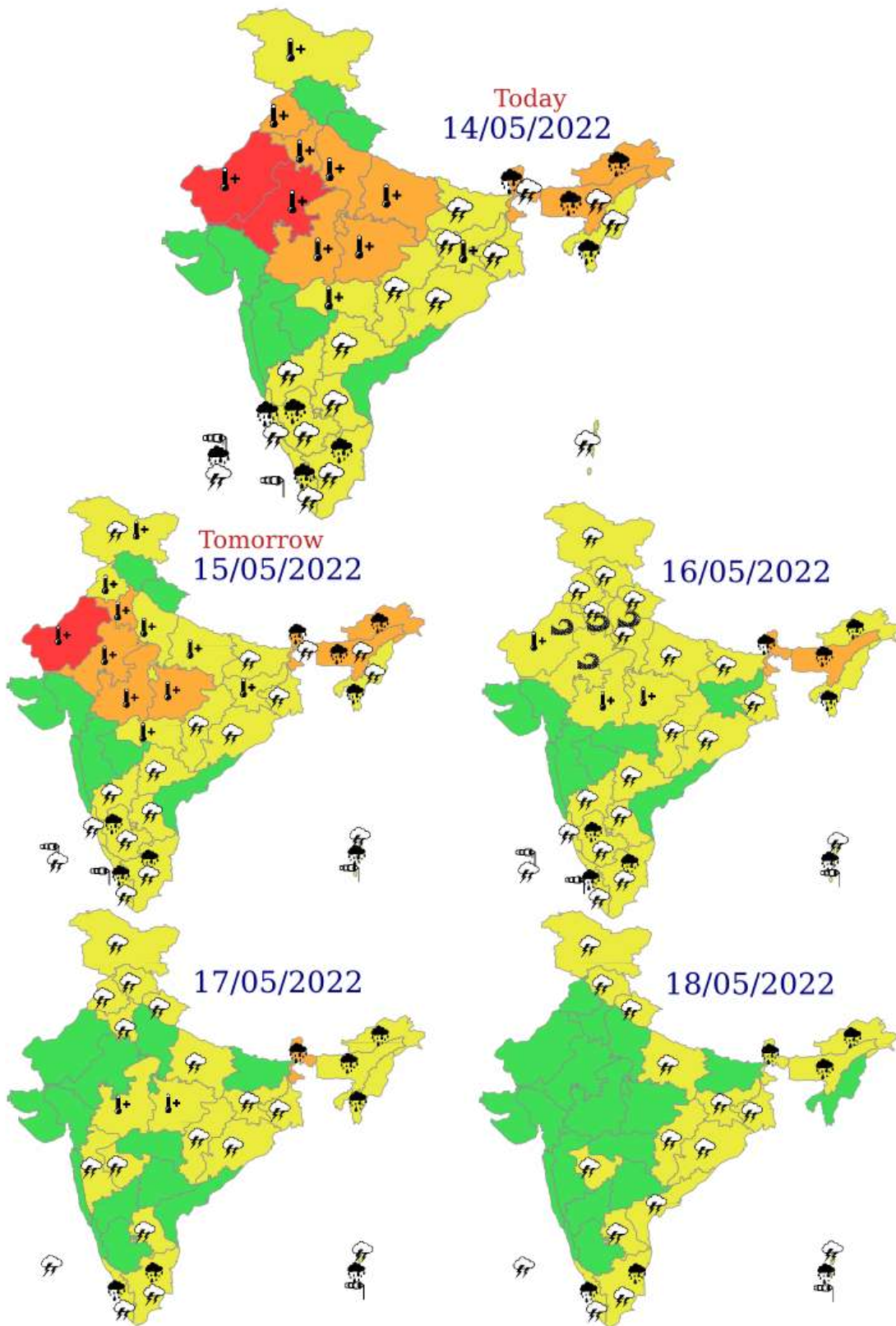
Maximum Temperature forecast:

- ✓ No significant change in maximum temperatures very likely over Northwest & Central India during next 2 days and fall by 2-4°C during next 3 days.
- ✓ Gradual rise in maximum temperatures by 3-4°C very likely over southern parts of Maharashtra during next 2 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country.

Heat wave warnings:

- ✓ **Heat Wave conditions** in most parts with **severe heat wave conditions** in many parts very likely over West Rajasthan on 14th; **heat wave conditions** in many parts with **severe heat wave conditions** in isolated pockets over the same region on 15th May with reduction in intensity and spatial thereafter.
- ✓ **Heat Wave conditions** in most parts with **severe heat wave conditions** in some parts very likely over East Rajasthan on 14th with heat wave conditions in some parts on 15th May.
- ✓ **Heat Wave conditions** in many parts with **severe heat wave conditions** in isolated pockets very likely over Madhya Pradesh on 14th & 15th with heat wave conditions in some/isolated parts on 16th & 17th May.
- ✓ **Heat Wave to severe heat wave conditions** in isolated pockets very likely over Punjab & Haryana-Delhi on 14th & 15th; over Uttar Pradesh on 14th with heat wave conditions in some/isolated parts on 15th May.
- ✓ **Heat Wave conditions** in isolated pockets very likely over Jammu division, Vidarbha and Jharkhand on 14th & 15th May.

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



Impact expected and action suggested due to Severe/heat wave conditions in most/many parts over Rajasthan, Haryana-Delhi, Punjab, Uttar Pradesh and Madhya Pradesh during next 2 days.

Impact expected:

- Heat wave could lead to moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases
- Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.

Action suggested:

- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Avoid heat exposure, wear lightweight, light-colored, loose, cotton clothes and cover the head by use of cloth, hat or umbrella etc.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

EXPECTED IMPACT & ACTION SUGGESTED due to heavy to very heavy/extremely heavy rainfall over Assam-Meghalaya, Arunachal Pradesh, Sub-Himalayan West Bengal, Tamilnadu and Kerala-Mahe during next 5 days.

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)

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

