



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 12th May, 2022
Time of Issue: 1345 hrs IST

Subject:

- i) Advance of Southwest Monsoon into South Andaman Sea & adjoining Southeast Bay of Bengal around 15th May, 2022.**
- ii) A well marked Low Pressure Area over Coastal Andhra Pradesh (remnant of Cyclonic Storm 'ASANI').**
- iii) Heat wave spells over Northwest & Central India during next 5 days.**

Weather observed during past 24 hours:

- ✓ Isolated **heavy to very heavy rainfall with extremely heavy falls** observed over Coastal Andhra Pradesh, Meghalaya; **heavy to very heavy rainfall** over Arunachal Pradesh and **heavy rainfall** at isolated places over Rayalaseema, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Bihar, Tripura and Coastal Karnataka.
- ✓ **Chief amount of rainfall (in cm): Coastal Andhra Pradesh: Parkasam:** Kandukur-26; Bestavaripeta-13, Ongole-12, Cumbum, Racherla-11 each; **Nellore:** Atmakur-20, Kavali-12; **Assam-Meghalaya:** Mawsynram-23, Cherrapunji-19, Haflong-15, Mawkyrwat-12, **Jaintia Hills:** Khliehriat-18, **Karimganj:** B P Ghat-15, **Jorhat:** Majuli-10, **Arunachal Pradesh: West Kameng:** Bhalukpong-19, **Sub-Himalayan West Bengal & Sikkim:** East **Sikkim:** Gangtok-10, Tadong-8, **Jalpaiguri:** Hasimara-7; **Coastal Karnataka: Udupi:** Kundapur-9, Uttar Kannada: Honavar-9, Bhatkal-7; **Rayalaseema: YSR:** Badvel-8, Atlur-7; **Bihar: Patna:** Bikram-8; **Tripura:** South Tripura-7; **Jharkhand: Dumka:** Messenjor-7.
- ✓ **Maximum Temperatures** (as on 11/05/2022) were **43-46°C** over most parts of Rajasthan; in some parts of West Madhya Pradesh, Gujarat state, Vidarbha and **40-42°C** over most parts of East Madhya Pradesh; in many parts of Punjab; in some parts of south Haryana and in isolated pockets of Madhya Maharashtra and Madhya southern parts of East Uttar Pradesh.
- ✓ **Heat Wave conditions** observed in most parts of West Rajasthan; at a few places over West Madhya Pradesh and at isolated pockets over East Rajasthan.

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

- **Southwest Monsoon likely to advance into South Andaman Sea & adjoining Southeast Bay of Bengal around 15th May, 2022.**
 - ✓ Fairly widespread to widespread light/moderate rainfall very likely over Andaman & Nicobar Islands during next 5 days. Isolated heavy falls very likely over the region on 14th -16th May.
 - ✓ Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph also likely over south Andaman Sea on 15th & 16th May.

ii) A well marked Low Pressure Area over Coastal Andhra Pradesh (remnant of Cyclonic Storm 'ASANI')

Yesterday's cyclonic storm 'Asani' (pronounced as Asani) over Westcentral Bay of Bengal weakened into a **Deep Depression** at 1730 hours IST of 11th May; into a **Depression** at 0530 hrs IST of 12th May and into a **Well Marked Low Pressure Area** over coastal Andhra Pradesh at 0830 hrs IST of today, the 12th May. It is likely to weaken further into a **Low Pressure Area** during next 12 hours. Under its influence;

- ✓ Light to moderate rainfall at many places with **heavy rainfall** at isolated places is likely over coastal Andhra Pradesh and **heavy to very heavy rainfall** at isolated places over Rayalaseema.
- ✓ **Squally wind** speed reaching 40-50 kmph gusting to 60 kmph to prevail over Andhra Pradesh-Odisha-West Bengal coasts and adjoining westcentral Bay of Bengal during next 24 hours.
- ✓ Fishermen are advised not to venture into westcentral Bay of Bengal along and off Andhra Pradesh-Odisha-West Bengal coasts on 12th May.

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

- Due to strong southwesterly winds from Bay of Bengal to northeast & adjoining east India at lower tropospheric levels;
 - ✓ Widespread light/moderate rainfall with thunderstorm/lightning/gusty winds very likely over Northeast India during next 5 days.
 - ✓ Isolated **heavy to very heavy falls** very likely over Assam-Meghalaya during 12th to 16th May. **Isolated extremely heavy falls also likely over Meghalaya on 12th to 14th May.**
 - ✓ Isolated **heavy falls** very likely over Arunachal Pradesh on 12th and isolated **heavy to very heavy falls** during 13th to 16th May.
 - ✓ Isolated **heavy falls** very likely over Nagaland-Manipur-Mizoram-Tripura during 13th to 16th May.
- Fairly widespread light/moderate rainfall with isolated **thunderstorm/lightning/gusty winds** very likely over Kerala-Mahe & Lakshadweep with isolated **heavy falls** over Kerala-Mahe during next 5 days.
- Isolated to scattered rainfall activity with isolated **thunderstorm/lightning/gusty winds** very likely over Telangana, North Interior Karnataka and Tamilnadu, Puducherry & Karaikal during next 5 days.
- Fairly widespread to widespread light/moderate rainfall with isolated **thunderstorm/lightning/gusty winds & heavy falls** very likely over Coastal & South Interior Karnataka today and over Tamilnadu, Puducherry & Karaikal on 12th & 14th May.
- A fresh Western Disturbance likely to affect Western Himalayan Region from 16th May, 2022. Under its influence, isolated light rainfall with thunderstorm/lightning & hail very likely over the region on 16th May.

iii) Heat wave spells over Northwest & Central India

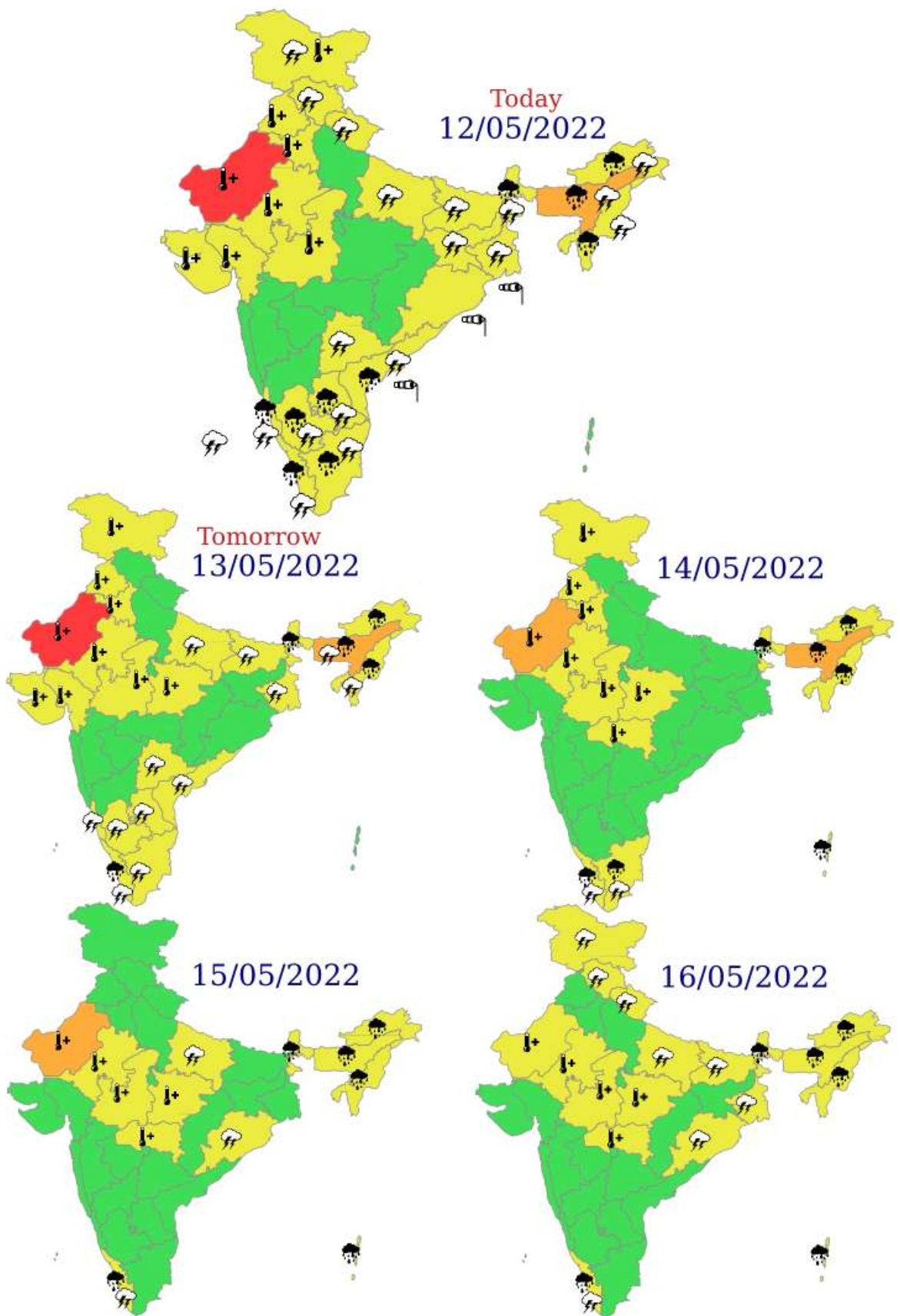
Maximum Temperature forecast:

- ✓ No significant change in maximum temperatures very likely over Northwest India during next 3 days and fall by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over East India, Vidarbha & Chhattisgarh during next 24 hours and rise by 2-4°C thereafter.
- ✓ No significant change in maximum temperatures very likely over Gujarat during next 2 days and fall by 2-3°C thereafter.

Heat wave warnings:

- ✓ **Heat Wave conditions** in most parts with **severe heat wave conditions** in isolated pockets very likely over West Rajasthan during 12th to 13th; heat wave conditions in many parts on 14th & 15th and in some parts on 16th May, 2022.
- ✓ **Heat Wave conditions** in some parts with **severe heat wave conditions** in isolated pockets very likely over East Rajasthan on 12th & 13th and heat wave conditions in some parts during 14th to 16th May, 2022.
- ✓ **Heat Wave conditions** at isolated very likely over Gujarat state on 12th & 13th; Jammu & Kashmir, south Haryana-Delhi, Punjab during 12th-14th; West Madhya Pradesh during 12th- 16th; East Madhya Pradesh during 13th-16th; Vidarbha during 14th-16th May, 2022.

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 parts over West Rajasthan.

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 very heavy rainfall over Assam-Meghalaya.

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 kutchha 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)



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