



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

**Press Release**  
**Date: 23<sup>rd</sup> June, 2023**  
**Time of Issue: 1415 hours IST**

**Subject: i) Conditions are favourable for further advance of Southwest Monsoon over some more parts of Chhattisgarh, remaining parts of Jharkhand & Bihar, some parts of East Madhya Pradesh, some more parts of Uttar Pradesh and some parts of Uttarakhand during next 2 days.**  
**ii) Conditions are also becoming favourable for further advance of Southwest Monsoon over some more parts of Maharashtra, Karnataka & Telangana during next 3-4 days.**  
**iii) Isolated Heavy to Very heavy rainfall likely over Eastcentral & parts of Northwest India during next 5 days.**

**Weather observed during past 24 hours ending at 0830 hours IST of today (Annexure I):**

**Advance of Southwest Monsoon (Annexure II)**

- ❖ The Southwest Monsoon has further advanced into some more parts of Karnataka, Telangana, remaining parts of Andhra Pradesh, some parts of Vidarbha, Chhattisgarh, remaining parts of Northwest Bay of Bengal, remaining parts of Odisha & Gangetic West Bengal, some more parts of Jharkhand & Bihar and some parts of East Uttar Pradesh today, the 23<sup>rd</sup> June.
- ❖ The Northern Limit of Monsoon (NLM) now passes through Lat. 16.5°N/ Long. 55°E, Lat. 17.0°N/ Long. 60°E, Lat. 17°N/ Long. 65°E, Lat. 17°N/ Long. 70°E, Ratnagiri, Bijapur, Nizamabad, Durg, Daltonganj, Buxar, Siddharthnagar and Lat. 28°N/ Long. 82.5°E.
- ❖ Conditions are favourable for further advance of Southwest Monsoon over some more parts of Chhattisgarh, remaining parts of Jharkhand & Bihar, some parts of East Madhya Pradesh, some more parts of Uttar Pradesh and some parts of Uttarakhand during next 2 days.
- ❖ Conditions are also becoming favourable for further advance of Southwest Monsoon over some more parts of Maharashtra, Karnataka & Telangana during next 3-4 days.

**Significant Weather features, Forecast and Warning during next 5 days: (Annexure II)**

**Weather Forecast and Warning for rest parts of the country due to strengthening of the Southwest Monsoon Flow over the Indian subcontinent:**

- ❖ A cyclonic circulation lies over Northwest Bay of Bengal extending upto middle tropospheric levels.
- ❖ An east-west trough runs from north Punjab to the above cyclonic circulation extending upto lower tropospheric levels.

**Northeast & adjoining East India:**

- ❖ Fairly widespread to widespread light/moderate rainfall with isolated thunderstorm & lightning very likely during next 5 days.
- ❖ Isolated **Heavy to Very Heavy falls** very likely over Odisha during 23<sup>rd</sup>-26<sup>th</sup> June.
- ❖ Isolated **heavy rainfall** also likely over Arunachal Pradesh and Bihar on 23<sup>rd</sup>; Assam & Meghalaya on 23<sup>rd</sup>, 26<sup>th</sup> & 27<sup>th</sup>; Nagaland, Manipur & Mizoram during 23<sup>rd</sup> to 27<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 23<sup>rd</sup> & 26<sup>th</sup>; Odisha on 27<sup>th</sup> and Jharkhand on 25<sup>th</sup> & 26<sup>th</sup> June.

### Northwest India:

- ❖ Light/moderate scattered to fairly widespread rainfall with isolated thunderstorm & lightning very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand & Uttar Pradesh during 23<sup>rd</sup>-27<sup>th</sup> and over Punjab, Haryana, Chandigarh & Delhi and East Rajasthan during 25<sup>th</sup>-27<sup>th</sup> June.
- ❖ Isolated **heavy/very heavy rainfall** very likely over Uttarakhand & Himachal Pradesh during 23<sup>rd</sup>-27<sup>th</sup> and Isolated **heavy rainfall** over Uttar Pradesh during 24<sup>th</sup>-26<sup>th</sup>; over Punjab, Haryana, Chandigarh and East Rajasthan during 25<sup>th</sup>-27<sup>th</sup> June.

### Central India:

- ❖ Light/moderate fairly widespread to widespread rainfall with isolated **heavy/very heavy falls**, thunderstorm & lightning over the region (Madhya Pradesh, Chhattisgarh & Vidarbha) during next 5 days.
- ❖ Isolated **extremely heavy rainfall** very likely over Chhattisgarh on 24<sup>th</sup> June.

### South India:

- ❖ Light/moderate scattered to fairly widespread rainfall with isolated thunderstorm & lightning very likely over the region during next 5 days.
- ❖ **Isolated heavy/very heavy rainfall** also likely over Coastal Karnataka during 23<sup>rd</sup>-27<sup>th</sup>; over Coastal Andhra Pradesh on 23<sup>rd</sup> & 24<sup>th</sup>; Telangana during 23<sup>rd</sup>-25<sup>th</sup>; Kerala & Mahe during 25<sup>th</sup>-27<sup>th</sup> June.
- ❖ **Isolated heavy rainfall** also likely over Interior Karnataka on 26<sup>th</sup> & 27<sup>th</sup> June.

### West India:

- ❖ Light/moderate fairly widespread to widespread rainfall with isolated **heavy/very falls**, thunderstorm & lightning very likely over Konkan & Goa during 23<sup>rd</sup>-27<sup>th</sup> June.
- ❖ Light/moderate scattered to fairly widespread rainfall with isolated thunderstorm & lightning very likely over Madhya Maharashtra and Marathwada during 24<sup>th</sup>-27<sup>th</sup> and over Gujarat Region on 26<sup>th</sup> & 27<sup>th</sup> June.
- ❖ **Isolated Heavy rainfall** also likely over north Madhya Maharashtra during 25<sup>th</sup>-27<sup>th</sup> and over Gujarat Region on 27<sup>th</sup> June.

### Maximum Temperatures and Heat Wave warning (Graphics in Annexure III):

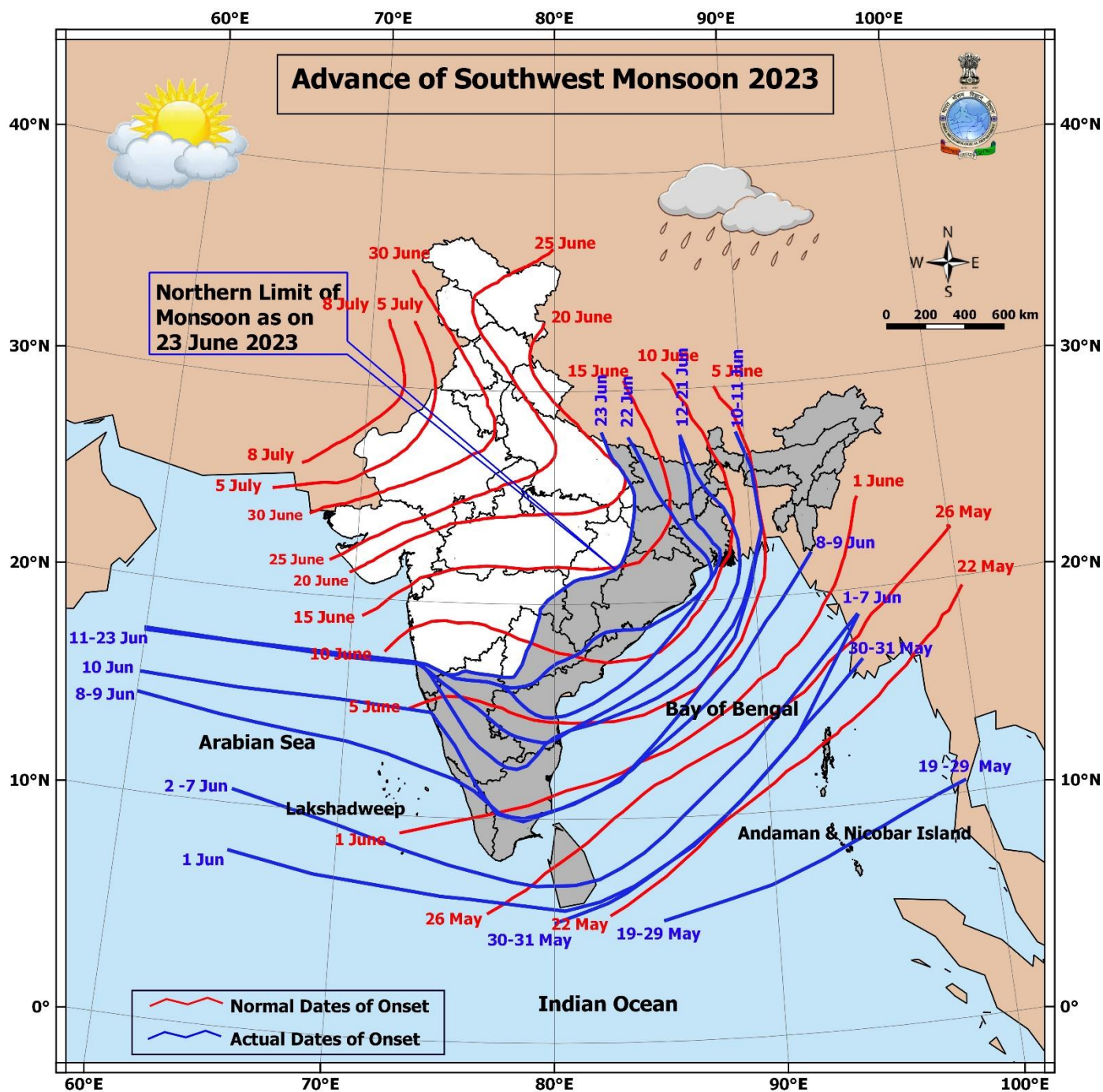
- ❖ **Maximum Temperatures** are in the range of 38°C-40°C over south Bihar, southeast Uttar Pradesh, northeast Madhya Pradesh, Vidarbha, Telangana and south Madhya Maharashtra with departure of 3°C-4°C from normal.
- ❖ Fall in maximum temperatures by 2-3°C very likely over East India during next 3 days; by 4-6°C over most parts of Northwest India (except West Rajasthan) & Central India and by 2-4°C over West India during next 5 days. No significant change in maximum temperatures likely over rest parts of country during next 5 days.
- ❖ **No Heat Wave** conditions very likely over the country during next 5 days.

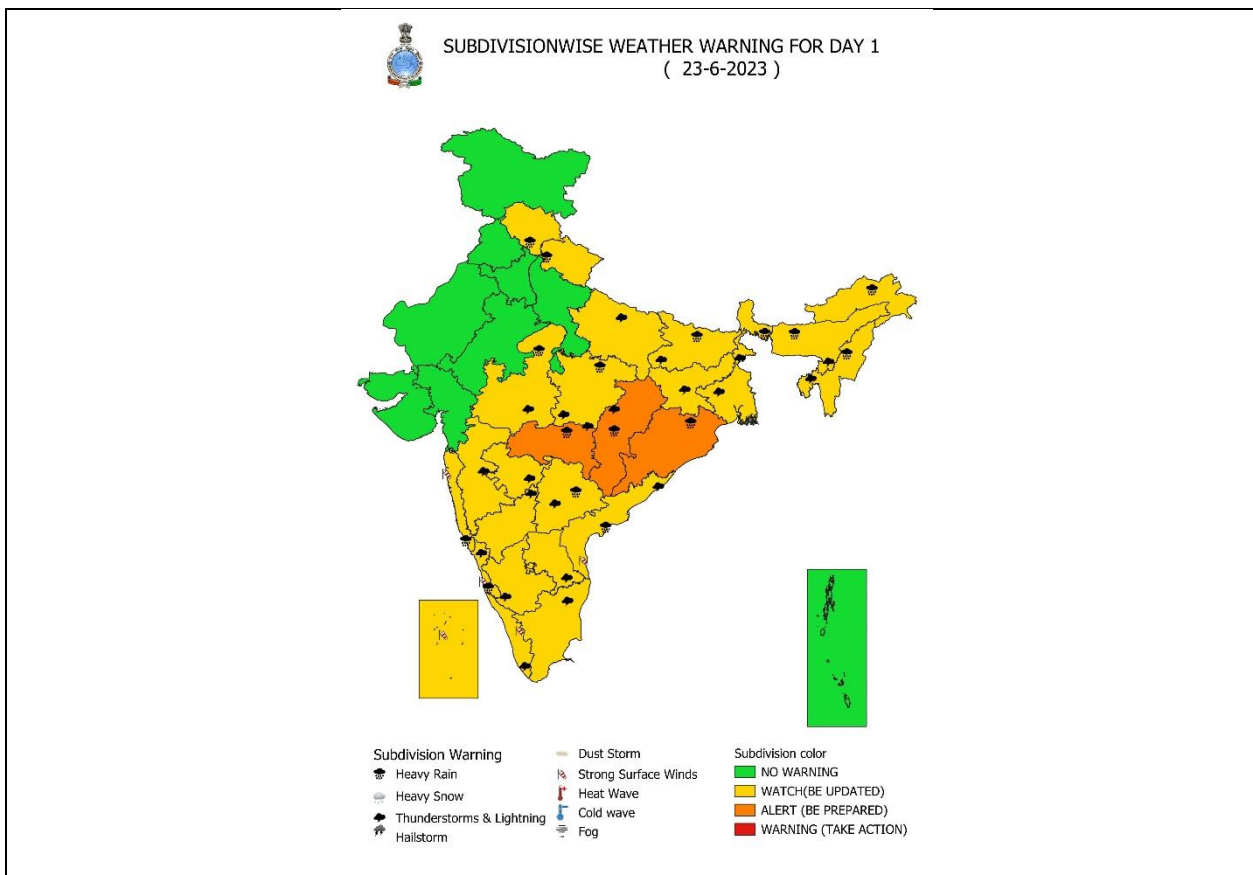
For more details kindly refer:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

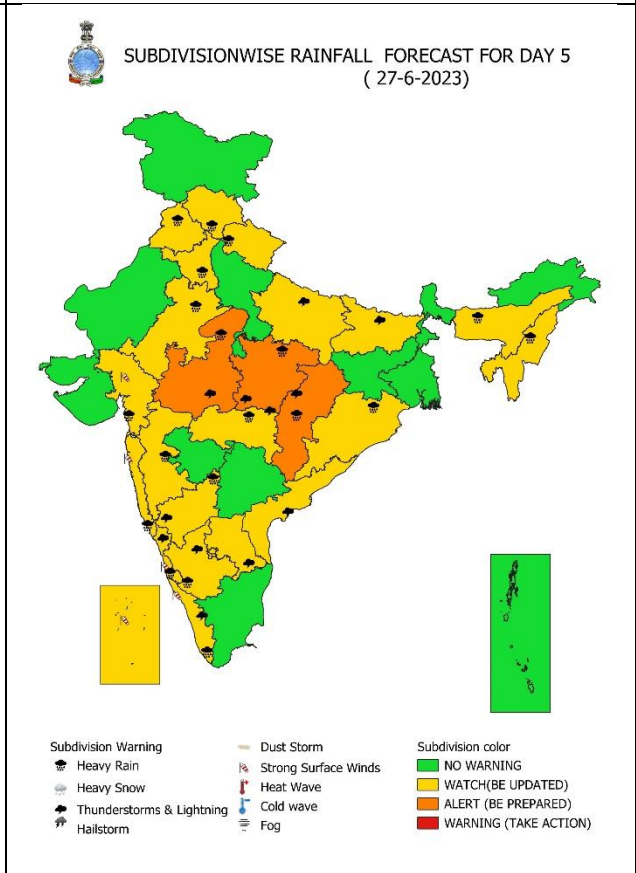
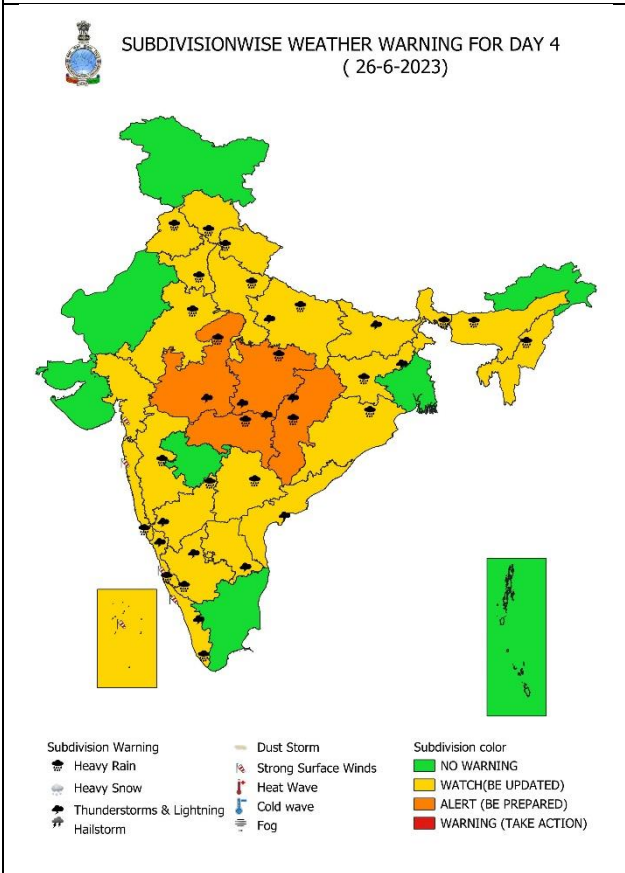
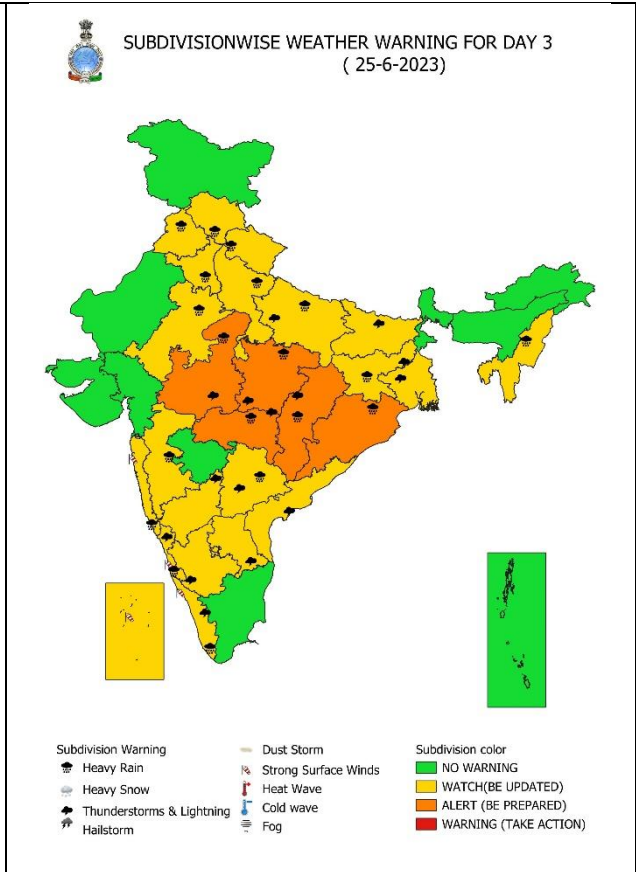
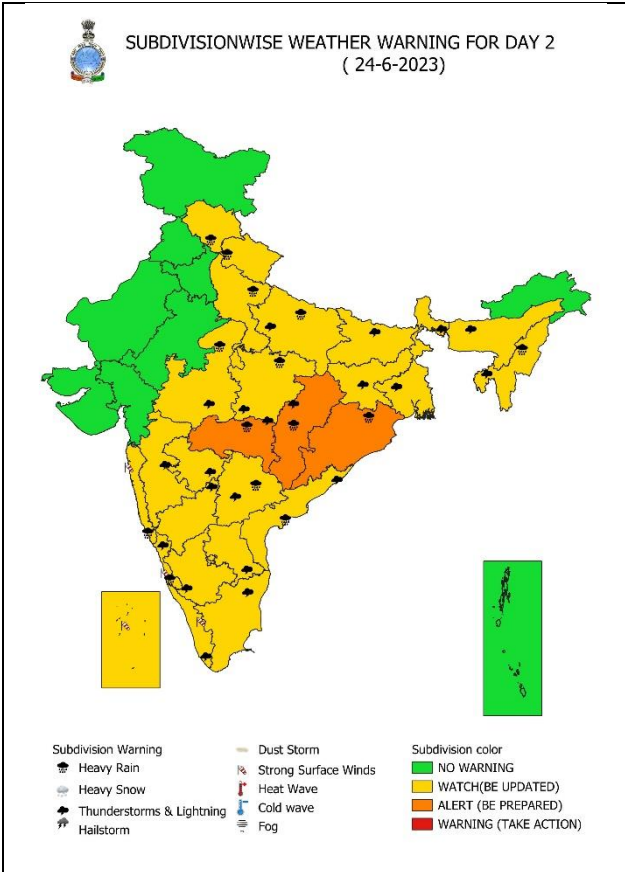
**Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):**

- ❖ **Rainfall/thundershowers observed: at most places over** Sub-Himalayan West Bengal & Sikkim, Odisha, Chhattisgarh, Coastal Karnataka and Lakshadweep; **at many places over** Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana and South Interior Karnataka; **at a few places over** Gangetic West Bengal, Jharkhand, Uttar Pradesh, Himachal Pradesh, Madhya Pradesh, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and **at isolated places over** Andaman & Nicobar Islands, Haryana-Chandigarh-Delhi, Punjab, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Gujarat, Madhya Maharashtra, Marathwada, Rayalaseema and North Interior Karnataka.
- ❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy to very heavy rainfall** recorded at isolated places over Assam & Meghalaya, Chhattisgarh and Coastal Karnataka; **heavy rainfall** at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Bihar, Odisha, Uttarakhand, Himachal Pradesh, Madhya Pradesh, Coastal Andhra Pradesh, Tamil Nadu, Rayalaseema, Telangana and South Interior Karnataka.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Assam & Meghalaya:** Kajolgaon\_aws (dist Chirang) 15, Mawkyrwat (dist South West Khasi Hills) 9, Nagaland, Manipur, **Mizoram & Tripura:** Senapati (dist Senapati) 9, **Arunachal Pradesh:** Deomali\_aws (dist Tirap) 7, **Sub-Himalayan West Bengal & Sikkim:** Domohani (dist Jalpaiguri) 11, **Odisha:** The chief amount of rainfall recorded in cms are: Bangamunda (dist Bolangir) 11, Mathili (dist Malkangiri) 11, Kankadahad (dist Dhenkanal) 10, Jaipatna (dist Kalahandi) 10, Bhubaneswar Aero (dist Khurda) 9, Jhorigam (dist Nawarangpur) 9, Berhampur (dist Ganjam) 8, Th Rampur (dist Kalahandi) 8, Tikarpara (dist Angul) 8, Koksara (dist Kalahandi) 8, **Himachal Pradesh:** **Bhoranj (dist Hamirpur) 12, Mehre (dist Hamirpur) 10, Bihar:** Kishanganj(Dist Kishanganj) 15, Dighal Bank(Dist Kishanganj) 12, Jainagar(Dist Madhubani) 11, Chhatapur(Dist Supaul) 8, **Uttarakhand:** Jollygrant (dist Dehradun) 9, **East Madhya Pradesh:** Narayanganj (dist Mandla) 10, Harrai (dist Chindwara) 9, Mohangarh (dist Tikamgarh) 7, **West Madhya Pradesh:** Timarni (dist Harda) 7, **Chhattisgarh:** Sukma (dist Sukma) 7, Pali (dist Korba) 7, **Tamil Nadu:** Taluk Office Pandalur (dist Nilgiris) 11, Jambukuttapatti (dist Krishnagiri) 9, Perungalur (dist Pudukkottai) 8, Avadi (dist Tiruvallur) 7, **Coastal Andhra Pradesh:** Parvathipuram (dist Parvathipuram Manyam) 8, Sattenapalle (dist Palnadu) 8, Narsapuram (dist West Godavari) 7, **Telangana:** Chennur (dist Mancherial) 8.









**Agromet advisories for rainfall, thunderstorms/gusty winds and heatwave likely over various parts of the country:**

- Make arrangements for draining out excess water from crop fields to avoid water stagnation in Himachal Pradesh, Uttarakhand, Uttar Pradesh, Sub Himalayan West
- Bengal & Sikkim, Odisha, Madhya Pradesh, Vidarbha, Chhattisgarh, Konkan & Goa,
- Coastal Karnataka, Coastal Andhra Pradesh, Telangana and North Eastern States.
- Provide mechanical support to horticultural crops and staking to vegetables.

**IMPACT & ACTION SUGGESTED due to very heavy rainfall** over Odisha during 23<sup>rd</sup>-25<sup>th</sup>; over Madhya Pradesh and Vidarbha during 25<sup>th</sup>-27<sup>th</sup> and Chhattisgarh during 24<sup>th</sup>-27<sup>th</sup> June.

**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.

**Impact expected and action suggested due to thunderstorm with lightning** over Vidarbha and Chhattisgarh during 23<sup>rd</sup>-27<sup>th</sup> June.

**Impact expected:**

- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

**Action suggested:**

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

**Legends:**













❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.

❖ **Region wise classification of meteorological Sub-Divisions:**

- **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.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal and Lakshadweep.



<b>SPATIAL DISTRIBUTION</b> (% 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)

Subdivision Warning	 Dust Storm	Subdivision color
 Heavy Rain	 Strong Surface Winds	 NO WARNING
 Heavy Snow	 Heat Wave	 WATCH(BE UPDATED)
 Thunderstorms & Lightning	 Cold wave	 ALERT (BE PREPARED)
 Hailstorm	 Fog	 WARNING (TAKE ACTION)

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