



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

**Press Release
Date: 24th June, 2023
Time of Issue: 1500 hours IST**

**Subject: i) Advance of Southwest monsoon into most parts of peninsular and east India and some more parts of central and northwest India today, the 24th June 2023.
ii) 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 Central Arabian Sea, some more parts of Maharashtra, remaining parts of Karnataka, Telangana and Chhattisgarh, some parts of East Madhya Pradesh, some more parts of Uttar Pradesh, most parts of Uttarakhand and Himachal Pradesh, some parts of Haryana and Jammu, Kashmir and Ladakh, today, the 24th June.
- ❖ The Northern Limit of Monsoon (NLM) now passes through Lat. 17.5°N/ Long. 55°E, Lat. 18.0°N/ Long. 60°E, Lat. 18°N/ Long. 65°E, Lat. 18.5°N/ Long. 71°E, Alibag, Solapur, Udgir, Nagpur, Mandla, Sonbhadra, Buxar, Lat. 26°N/ Long. 83.7°E, Siddharthnagar, Pantnagar, Bijnor, Yamunanagar, Una and Dras.
- ❖ Conditions are favourable for further advance of Southwest Monsoon over most parts of Maharashtra including Mumbai, Madhya Pradesh, Uttar Pradesh, remaining parts of Bihar, Uttarakhand, Himachal Pradesh, Jammu, Kashmir and Ladakh, some more parts of Haryana including Chandigarh & Delhi, some parts of Gujarat, East Rajasthan and Punjab, during next 2 days.

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

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 and adjoining Odisha-West Bengal coasts extending upto middle tropospheric levels. Under its influence, a **Low Pressure Area** is likely to form over the same region during next 24 hours.
- ❖ An east-west trough runs from north Punjab to the above cyclonic circulation in lower tropospheric levels.
- ❖ The cyclonic circulation in mid tropospheric levels over Northeast Arabian sea & adjoining Gujarat coast persists and has deepened since yesterday.

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 rainfall with Extremely Heavy Falls** very likely over Odisha on 25th & 26th June.
- ❖ Isolated **Heavy to Very Heavy falls** very likely over Odisha on 24th and Jharkhand on 25th & 26th June.
- ❖ Isolated **heavy rainfall** also likely over Gangetic West Bengal on 24th & 25th; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 25th-28th and Arunachal Pradesh on 28th June.

Northwest India:

- ❖ Light/moderate fairly widespread to widespread rainfall with isolated thunderstorm & lightning very likely over western Himalayan region during 24th-28th; and over the plains of northwest India (except west Rajasthan) during 25th-28th June.
- ❖ Isolated **Heavy to Very Heavy rainfall with Extremely Heavy Falls** very likely over Uttarakhand on 25th June.
- ❖ Isolated **heavy/very heavy rainfall** very likely over Uttarakhand & Himachal Pradesh during 24th-28th. Isolated **heavy rainfall** over West Uttar Pradesh during 24th-26th; over East Uttar Pradesh on 25th & 26th; over Punjab, Haryana, Chandigarh

& Delhi on 25th & 26th and East Rajasthan during 25th-28th 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 East Madhya Pradesh on 26th & 27th; West Madhya Pradesh on 27th June.

South India:

- ❖ Light/moderate scattered to fairly widespread rainfall with isolated thunderstorm & lightning very likely over the region (except Tamil Nadu) during next 5 days.
- ❖ **Isolated heavy to very heavy rainfall** also likely over Coastal Karnataka on 24th and Kerala & Mahe on 27th June.
- ❖ **Isolated heavy rainfall** also likely over Coastal Andhra Pradesh & Yanam and Telangana on 24th; over Odisha during 25th-28th and over South Interior Karnataka on 25th & 26th June.

West India:

- ❖ Light/moderate fairly widespread to widespread rainfall with thunderstorm & lightning very likely over Konkan & Goa and Madhya Maharashtra during 24th-28th June. **Isolated Heavy to very Heavy** rainfall is likely over Konkan & Goa and Ghat areas of Madhya Maharashtra during the same period.
- ❖ Light/moderate scattered to fairly widespread rainfall with isolated thunderstorm & lightning very likely over Saurashtra & Kutch and Marathwada during 24th-28th and 27th June. **Isolated Heavy rainfall** also likely over Gujarat during 24th-28th and over north Madhya Maharashtra on 24th & 25th June.

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

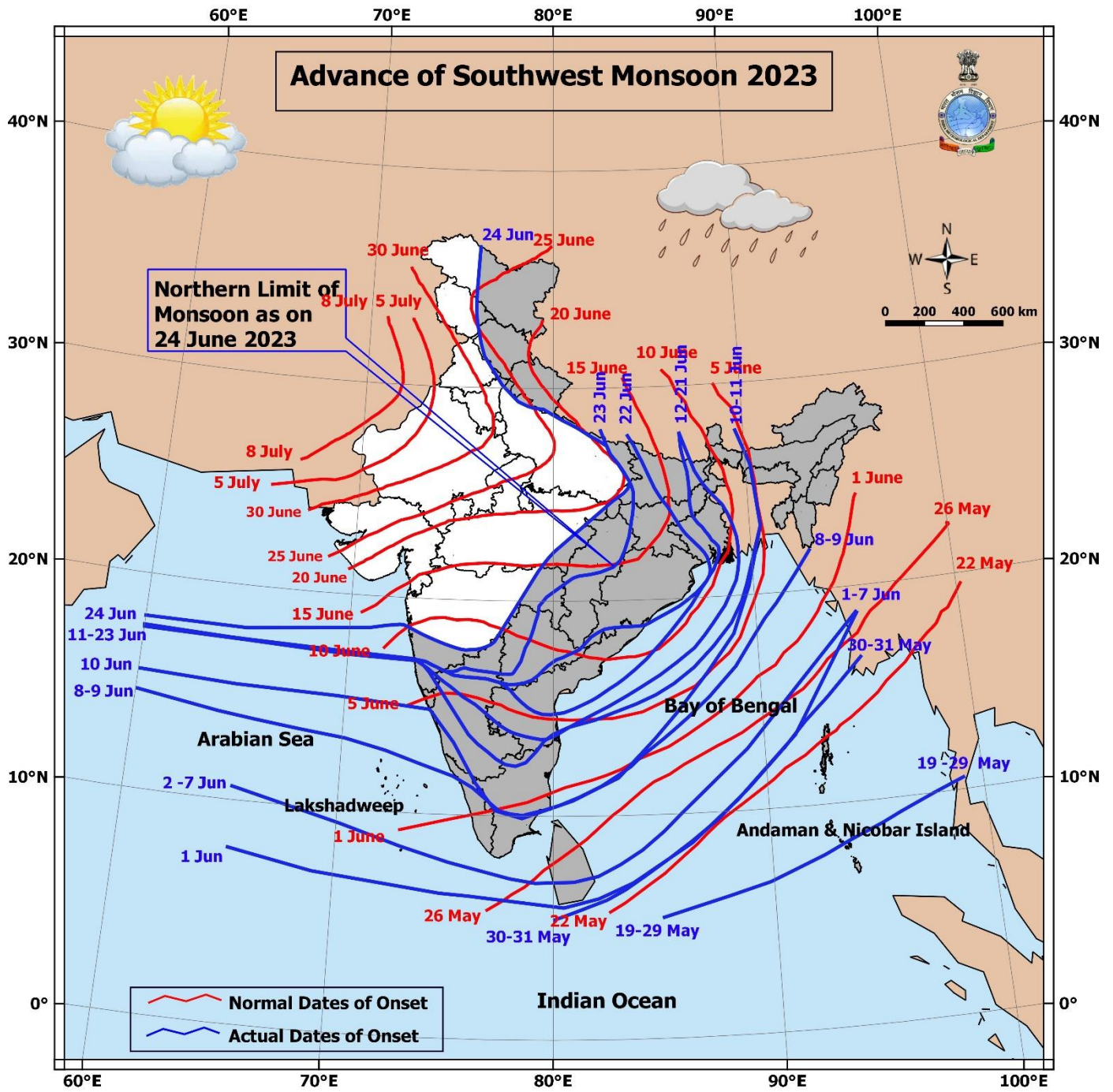
- ❖ **Maximum Temperatures** are in the range of 38°C-40°C over West & Northeast Rajasthan, South Haryana, Southeast Uttar Pradesh, Northwest Jharkhand, Madhya Maharashtra and Marathwada. Maximum Temperatures are above Normal by 4-6°C over parts of Jammu & Kashmir and 3-4°C over Marathwada, Madhya Maharashtra, Jharkhand, West Vidarbha, Konkan & Goa, Gangetic West Bengal and South Bihar.
- ❖ Fall in maximum temperatures by 4-6°C very likely over Northwest 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.

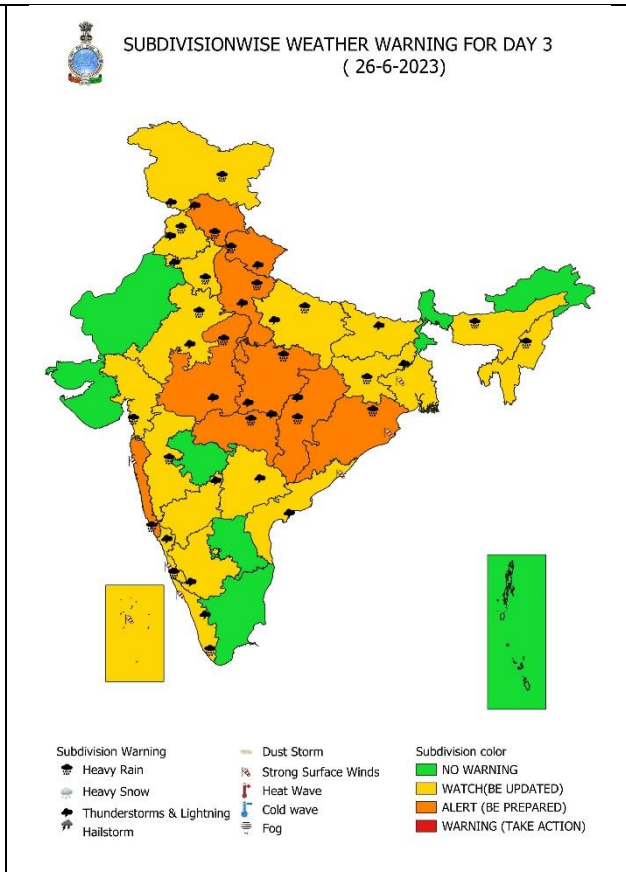
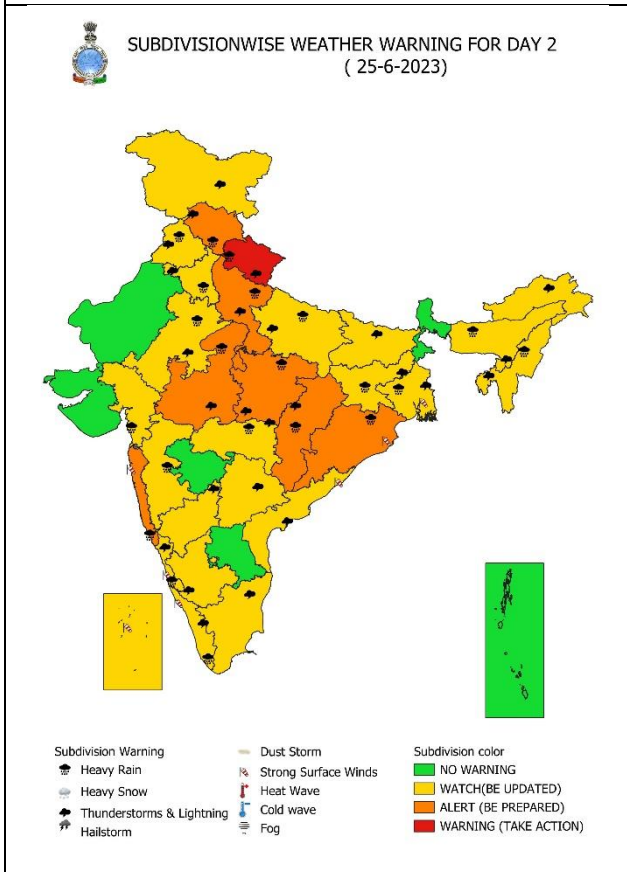
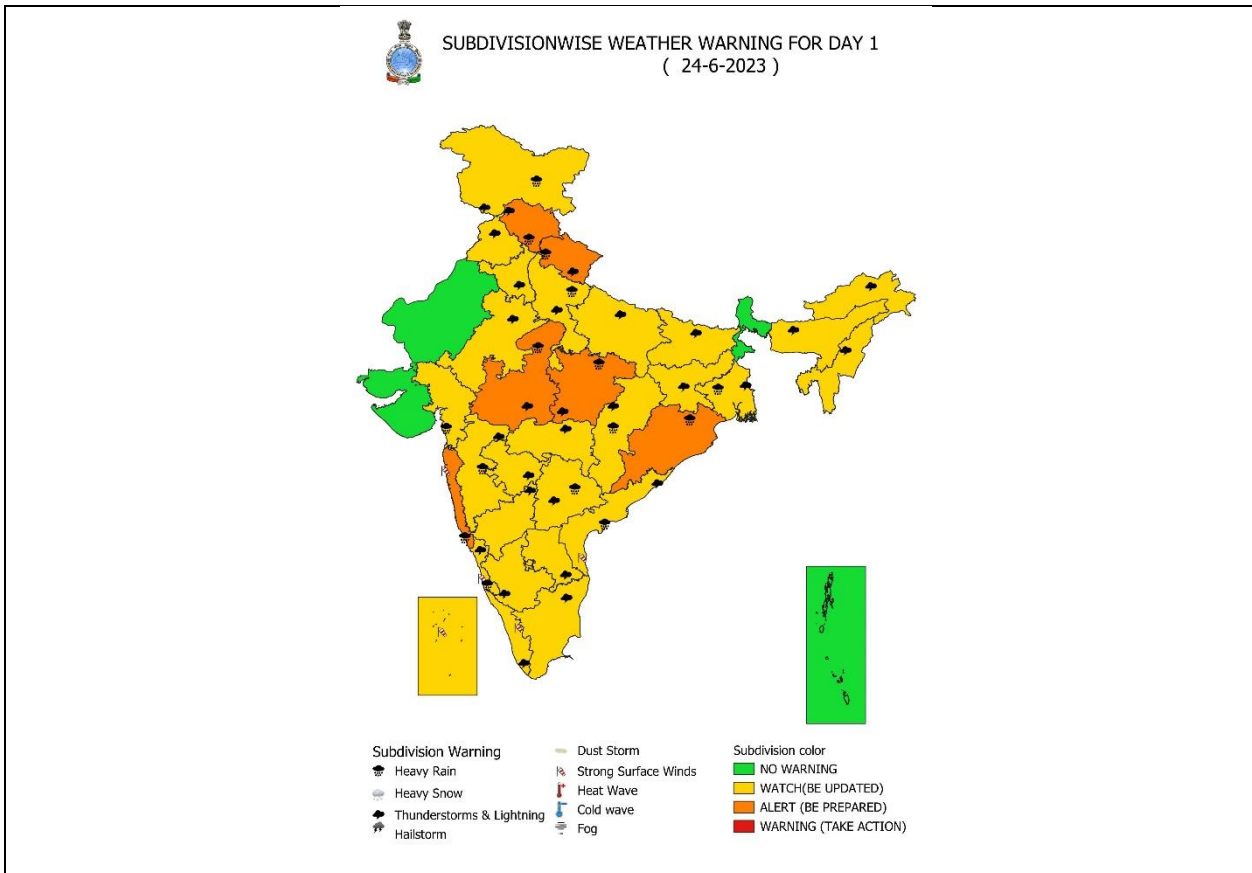
For more details kindly refer:

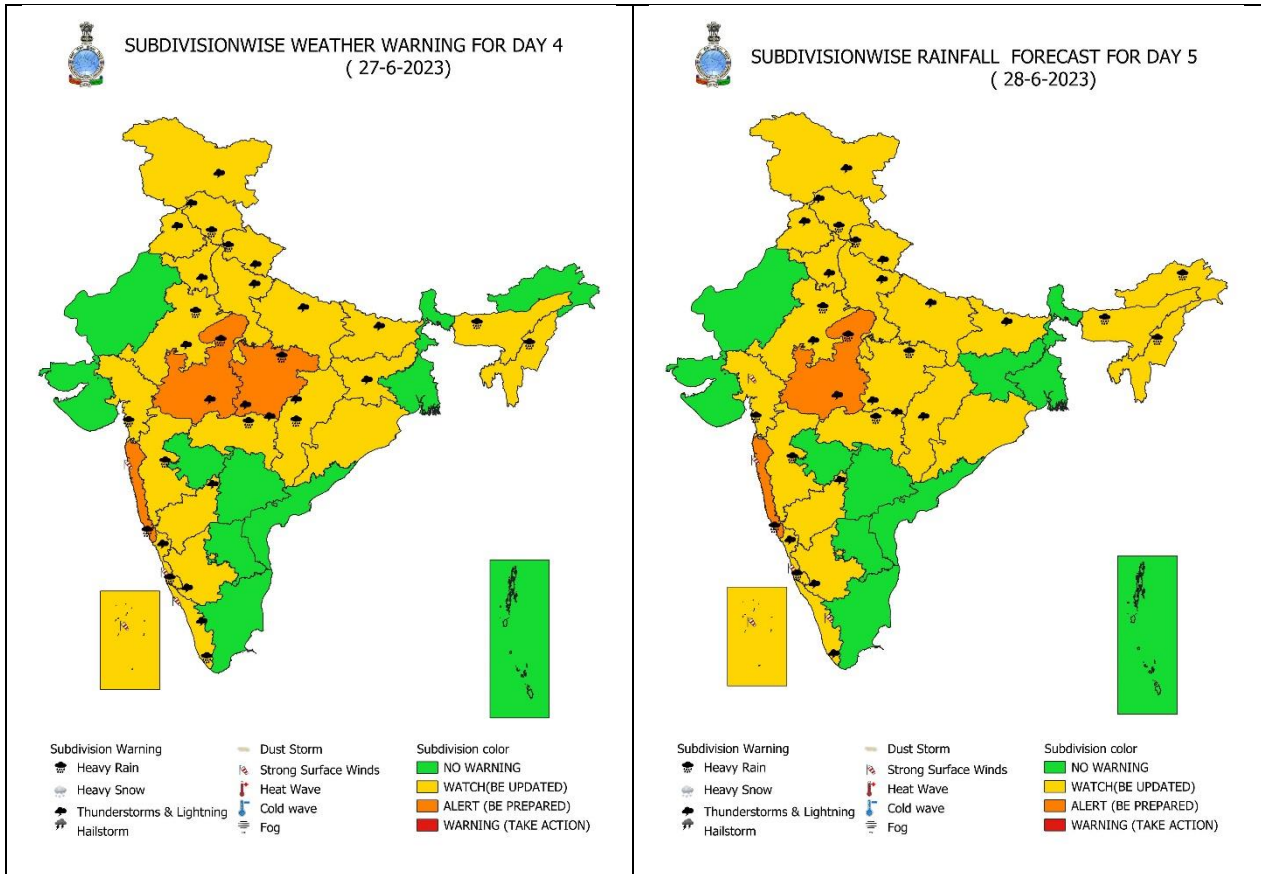
https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

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

- ❖ **Rainfall/thundershowers observed: at most places** over Himachal Pradesh, West Madhya Pradesh, Konkan & Goa, Vidarbha, Telangana, Coastal Karnataka; **at many places** over Nagaland, Manipur, Mizoram & Tripura, Sub-Himalaya West Bengal & Sikkim, Odisha, East Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam; at a few places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Gangetic West Bengal, Uttarakhand, Madhya Maharashtra, Marathwada, Interior Karnataka and Kerala & Mahe and **at isolated places** over Jharkhand, Bihar, Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Gujarat State, Rayalaseema and Tamil Nadu, Puducherry & Karaikal
- ❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Very heavy rainfall** at isolated places over Odisha, Uttarakhand, Himachal Pradesh and Madhya Pradesh and **heavy rainfall** at isolated places over Gangetic West Bengal, West Uttar Pradesh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, coastal & North Interior Karnataka.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Uttarakhand:** Bageshwar 15, Pithoragarh 15, **Odisha:** Komna (dist Nawapara) 13, Lathikata (dist Sundargarh) 8, Rajgangpur (dist Sundargarh) 8, Harichandanpur (dist Keonjhar) 8, Banaigarh (dist Sundargarh) 7, Suliapada (dist Mayurbhanj) 7, Pallahara (dist Angul) 7, Kankadahad (dist Dhenkanal) 7, **Gangetic West Bengal:** Durgachack (dist East Midnapore) 8, **Himachal Pradesh:** Kataula (dist Mandi) 16, Kasauli (dist Solan) 15, **Coastal Karnataka:** Karwar Obsy (dist Uttara Kannada) 14, Honavar Obsy (dist Uttara Kannada) 12, Manki (dist Uttara Kannada) 10, **Coastal Andhra Pradesh & Yanam:** Avanigada (dist Krishna) 7, **Rayalaseema:** Rajendranagar(a) (dist Rangareddy) 7, **East Madhya Pradesh:** Lakhnadon (dist Seoni) 15, Jaisinagar (dist Sagar) 11, Kesli (dist Sagar) 10, Ghansore (dist Seoni) 9, Paraswada (dist Balaghat) 7, Balaghat-aws (dist Balaghat) 7, **West Madhya Pradesh:** Begumganj (dist Raisen) 16, Neapanagar (dist Burhanpur) 15, Jawar (dist Sehore) 12, Sonkatch (dist Dewas) 11, Ichhawar (dist Sehore) 9, Ashta-aws (dist Sehore) 9, **Gujarat Region:** Devgad Baria (dist Dahod) 9, Jambughoda (dist Panchmahal) 7.







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, Punjab, Haryana, Uttar Pradesh, East Rajasthan, Gangetic West Bengal, Odisha, Jharkhand, Madhya Pradesh, Vidarbha, Chhattisgarh, Konkan & Goa, Madhya Maharashtra, Gujarat, Kerala, Coastal Karnataka, Coastal Andhra Pradesh, Telangana and North Eastern States.

IMPACT & ACTION SUGGESTED due to very heavy rainfall over Odisha during 24th-26th; over Uttarakhand during 24th-26th; over Himachal Pradesh during 24th-26th; over Konkan & Goa during 24th-28th; over Madhya Pradesh during 24th-27th; over Vidarbha on 26th; and Chhattisgarh during 25th-26th 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 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)

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 East Madhya Pradesh, West Uttar Pradesh during 25th -26th June.

Impact expected:

- Frequent Cloud to ground lightning is likely in association with thunderstorm activity
- Loose objects may fly
- Minor damage to kutchha houses/walls and huts.

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, 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)

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)

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