



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

**Press Release
Date: 30th July, 2023
Time of Issue: 1330 hours IST**

**Subject: i) Heavy to very heavy rainfall activity likely to continue over east, northeast and east central India during next 4-5 days.
ii) Increase in rainfall activity over northwest India during 2nd -3rd August.
iii) Enhancement of rainfall activity along west coast on 2nd and 3rd August and Reduction in rainfall activity likely to continue for remaining parts of peninsular India during next 4-5 days(30 July-3 Aug)**

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

- ❖ Yesterday's **Low Pressure** Area over north Odisha and adjoining West Bengal Coasts now lies over northwest Bay of Bengal & adjoining north Odisha and West Bengal coasts.
- ❖ A trough runs from Northwest Bihar to the circulation associated with the above Low Pressure Area in lower tropospheric levels.
- ❖ The Monsoon Trough at mean sea level now passes through Amritsar, Ludhiana, Bareilly, Patna, Bankura, centre of Low Pressure Area over northwest Bay of Bengal & adjoining north Odisha and West Bengal coasts and thence southeastwards to east central Bay of Bengal.
- ❖ The western end of the monsoon trough lies north of its normal position while the eastern end lies south of its normal position. Western end of monsoon trough likely to shift towards foothills of Himalayas during next 2 days.

Weather Forecast and Warning (Annexure II):

Northwest India: Light/Moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** is very likely over East Uttar Pradesh during 30th July to 03rd August; over East Rajasthan on 30th July, 31st July & 02nd August; over Uttarakhand during 01st to 03rd August; over West Uttar Pradesh 01st & 02nd August; over Himachal Pradesh, Punjab, Haryana-Chandigarh-Delhi on 02nd & 03rd August.

Central India: Light/moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** is very likely over East Madhya Pradesh and North Chhattisgarh during next 5 days and over Northwest Madhya Pradesh on 30th August. **Isolated very heavy rainfall also likely over East Madhya Pradesh on 02nd August.**

East India: Light/moderate fairly widespread to widespread rainfall with **heavy rainfall** at isolated places very likely over Bihar, Jharkhand, Odisha during 30th July to 03rd August; over Gangetic West

Bengal during 30th July to 02nd August; over Andaman & Nicobar Islands on 30th July; over Sub-Himalaya West Bengal & Sikkim on 03rd August.

Isolated very heavy rainfall also very likely over Odisha during 30th July to 02nd August; over Jharkhand on 30th & 31st July and over Bihar on 30th July, 2023.

Northeast India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** very likely over the region during next 5 days.

Isolated very heavy rainfall also likely over Arunachal Pradesh on 02nd & 03rd August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 01st to 3rd August 2023.

West India: Light/moderate scattered to fairly widespread rainfall with **isolated heavy rainfall** very likely to continue over Konkan & Goa and Madhya Maharashtra during next 5 days; over South Gujarat Region on 30th July, 2023.

Isolated very heavy rainfall very likely over northern parts of ghat areas of Madhya Maharashtra on 30th July, 2023.

South India: Light/moderate Isolated to scattered rainfall with **isolated heavy rainfall** very likely over Telangana on 01st August and over Coastal Karnataka on 02nd & 03rd August.

Hot and Humid weather also very likely over Tamil Nadu on 30th and 31st July, 2023.

For more details kindly refer:

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

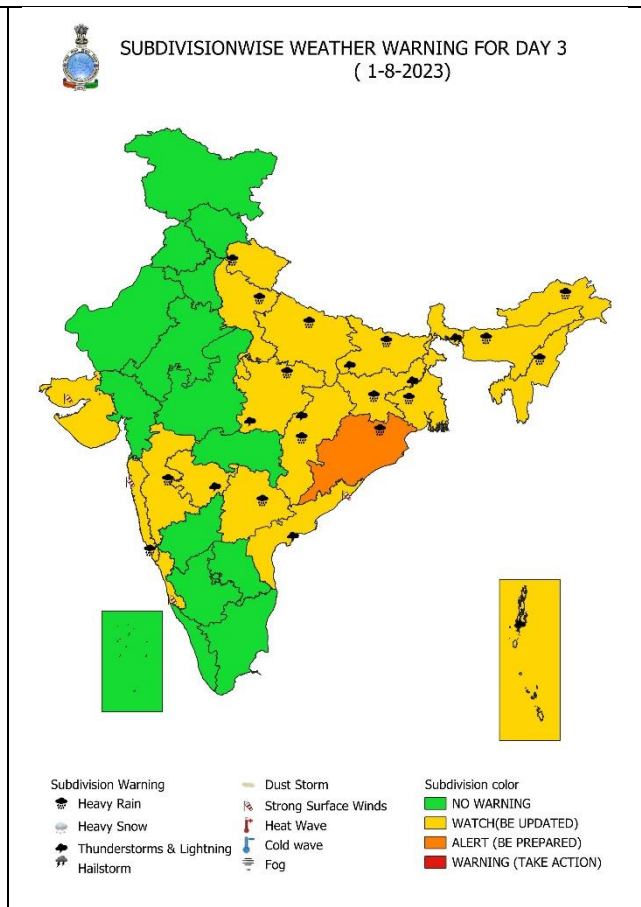
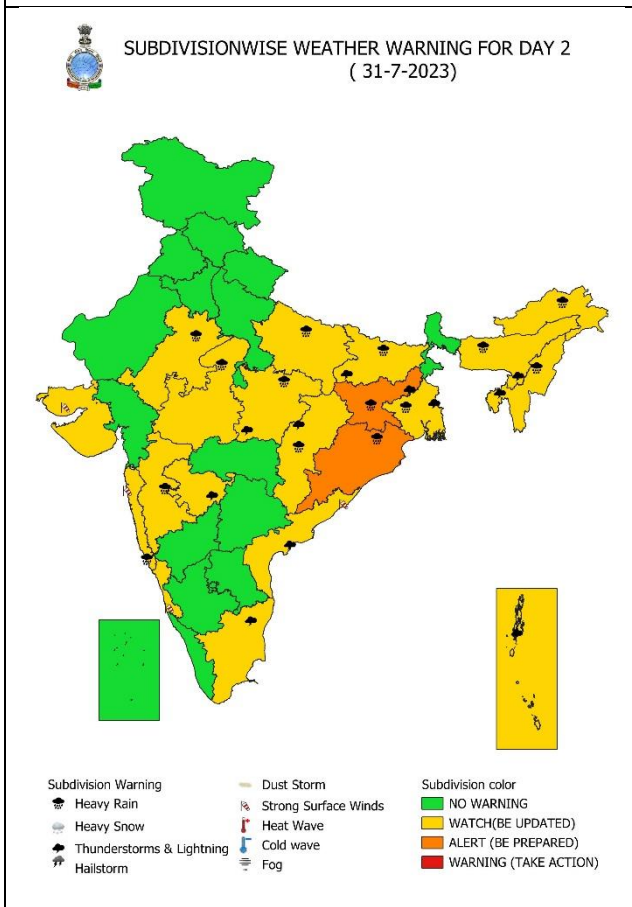
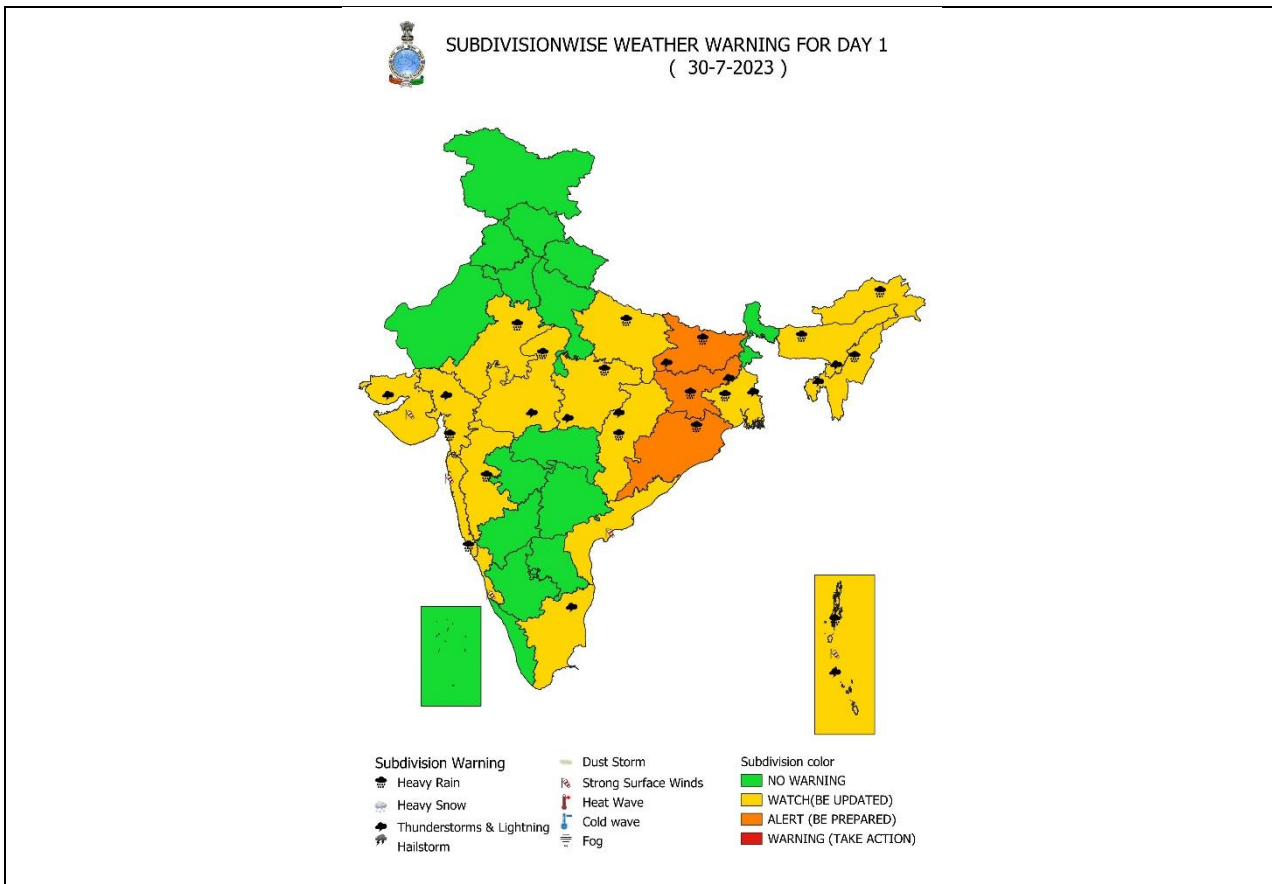
Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 29th July 2023):

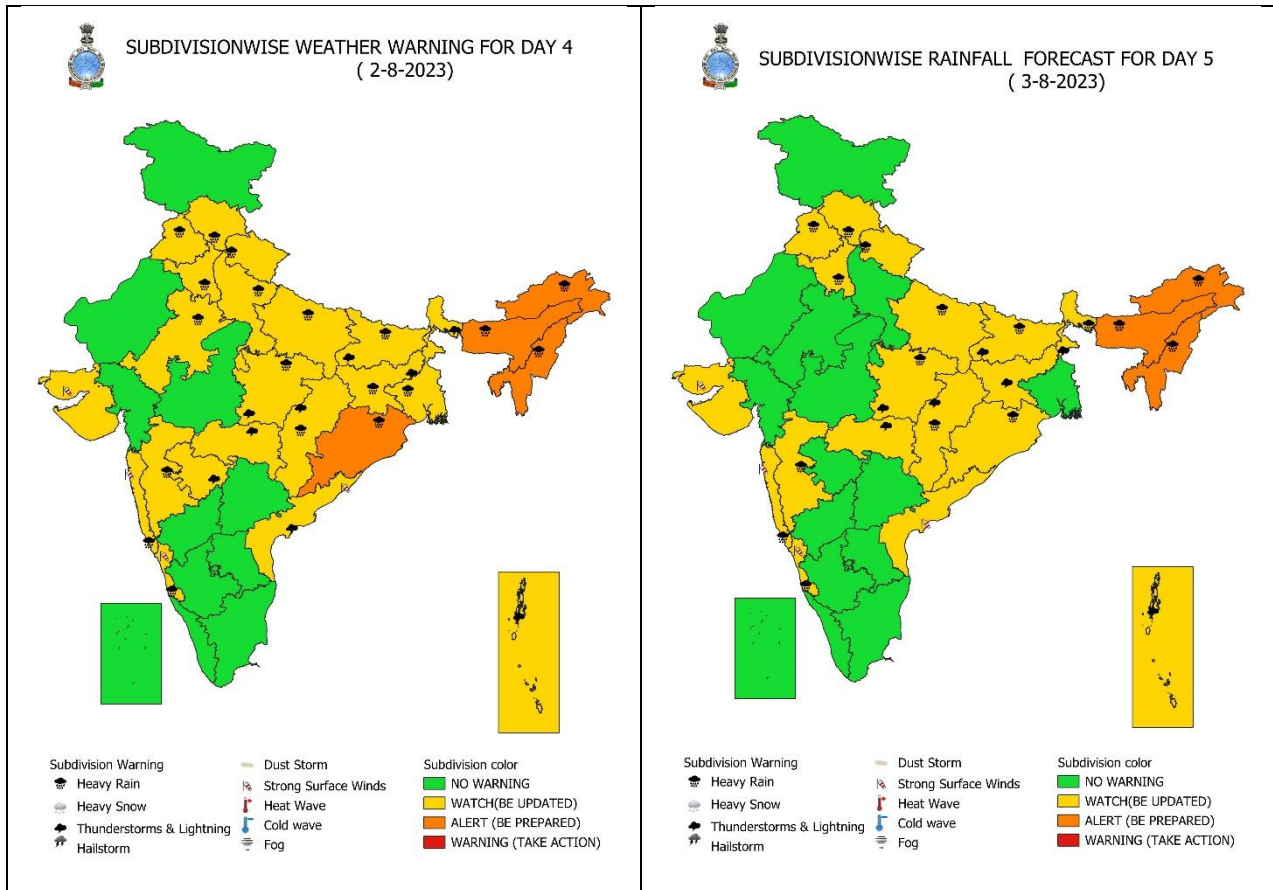
➤ **Heavy to very heavy rainfall** at isolated places over East Rajasthan, Bihar, Sub-Himalaya West Bengal & Sikkim, Jharkhand, Odisha; **Heavy rainfall** at isolated places over Madhya Maharashtra, Gangetic West Bengal, Assam & Meghalaya, Gujarat Region, Haryana, West Rajasthan, Chhattisgarh, East Madhya Pradesh and Konkan & Goa.

➤ **Significant rainfall recorded (in cm):**

- ✓ **East Rajasthan:** Danta Ramgarh (dist Sikar) 17, Nawalgarh (dist Jhunjhunu) 10, Bamanwas Sr (dist Sawai Madhopur) 10, Udaipur-wati (dist Jhunjhunu) 10, Srimadhampur (dist Sikar) 9, Fatehpur (dist Sikar) 8, Neemkathana Sr (dist Sikar) 7, Chomu (dist Jaipur) 7;
- ✓ **Bihar:** Aurangabad-16; Taibpur-6;
- ✓ **Sub-Himalaya West Bengal & Sikkim:** Mathabhanga, Ghugumari:14; Coochbehar:10; Falakata, Dhupguri:7; NH31 road bridge:6, Gazoledoba:6; Raiganj, Samsing, Ghish, Singimari:5
- ✓ **Jharkhand:** Latehar Balumat KVK AWS-13; Shilaichak-12; Barkagaon-10; Phusro-8; Putki DVC-7; Putki-7; Chaibasa-7;
- ✓ **Odisha:** Baliguda (dist Kandhamal) 13, Atabira (dist Bargarh) 12, Jujumura (dist Sambalpur) 12, Sambalpur (dist Sambalpur) 11, Bamra (dist Sambalpur) 11, Sundargarh (dist Sundargarh) 11, Phiringia (dist Kandhamal) 11, Laikera (dist Jharsuguda) 10, Kantamal (dist Boudhgarh) 8, Kotagarh (dist Kandhamal) 8, K Nuagaon (dist Kandhamal) 7, Kutra (dist Sundargarh) 7, Dhankauda (dist Sambalpur) 7, Phulbani (dist Kandhamal) 7;
- ✓ **Madhya Maharashtra:** Mahabaleshwar (dist Satara) 9, Gaganbawada (dist Kolhapur) 7;
- ✓ **Gangetic West Bengal:** Deocha Barrage: 9;
- ✓ **Assam & Meghalaya:** Goibargaon (dist Baksa) 9, Nalbari/Pagladia (dist Nalbari) 7;
- ✓ **Gujarat Region:** Dantiwada (dist Banaskantha) 8, Nadiad (dist Kheda) 8, Danta (dist Banaskantha) 7, Deesa (dist Banaskantha) 7, Mahudha (dist Kheda) 7;
- ✓ **Haryana:** Punhana (dist Nuh) 8, Hathin (dist Palwal) 7;
- ✓ **West Rajasthan:** Hanumangarh (dist Hanumangarh) 7;
- ✓ **Chhattisgarh:** Ambikapur (dist Surguja) 7, Odagi (dist Surajpur) 7;
- ✓ **East Madhya Pradesh:** Chitrangi (dist Singrauli) 7, Mada (dist Singrauli) 7;
- ✓ **Konkan & Goa:** Matheran (dist Raigad) 7;

❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation





Impact & Action Suggested due to very heavy rainfall over:

Bihar on 30th July,

Jharkhand on 30th & 31st July

Odisha 30th-31st July & 01st and 02nd August;

Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 02nd & 03rd August.

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 in the hilly areas.
- ❖ 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.

Legends:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station
- ❖ **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		Subdivision color	
 Heavy Rain	 Dust Storm	 NO WARNING	
 Heavy Snow	 Strong Surface Winds	 WATCH(BE UPDATED)	
 Thunderstorms & Lightning	 Heat Wave	 ALERT (BE PREPARED)	
 Hailstorm	 Cold wave	 WARNING (TAKE ACTION)	
	 Fog		

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