



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

Press Release

Date: 02nd September, 2023

Time of Issue: 1330 hours IST

Subject:

- (i) Isolated heavy rainfall likely over peninsular India during 02nd to 04th September, 2023.**
- (ii) Increase in rainfall activity with heavy to very heavy rainfall over Odisha, Coastal Andhra Pradesh, Telangana and Kerala during 04th to 06th September, 2023.**
- (iii) Subdued rainfall activity likely over remaining parts of the country during next 5 days.**

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

Significant Weather features:

- The **Monsoon Trough** at mean sea level continues to run along the foothills of the Himalayas.
- A cyclonic circulation lies over Northeast Bay of Bengal & neighbourhood and extends upto middle tropospheric level.
- A trough runs from Vidarbha to South Interior Karnataka in lower tropospheric levels.
- A cyclonic circulation lies over North Interior Karnataka in lower tropospheric levels.
- A cyclonic circulation lies over Comorin area and extends upto 3.1 km above mean sea level.
- A cyclonic circulation lies over north interior Tamil Nadu in middle tropospheric levels.
- A cyclonic circulation likely to form over North Bay of Bengal around 03rd September 2023. Under its influence a low pressure area is likely to form over same area during subsequent 48 hours.

Weather Forecast and Warnings: (Annexure II)

Northeast India: Light/moderate scattered to fairly widespread rainfall/thunderstorm with isolated **heavy rainfall** activity very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 02nd-03rd September.

East India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over **Gangetic West Bengal on 03rd; Odisha during 02nd-06th September and over** Andaman & Nicobar Islands during 02nd-05th September.

Isolated very heavy rainfall also likely over Andaman & Nicobar Islands during 02nd-04th September and over Odisha during 04th-05th September.

Central India: Light/moderate fairly widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over **Vidarbha during 05th-06th September and over Chhattisgarh on 02nd & during 04th - 06th September.**

West India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over **Konkan & Goa on 02nd September; over Madhya Maharashtra on 02nd & 03rd September and over Marathwada on 04th & 05th September.**

South India: Light/moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** very likely over Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka on 02nd September; North Interior Karnataka and Rayalaseema on 02nd-04th; over Coastal Andhra Pradesh & Yanam and Kerala & Mahe **during 02nd-06th** and Telangana during **03rd-05th September**.

Isolated very heavy rainfall also likely over Coastal Andhra Pradesh on 04th; over Telangana during 04th-05th and over Kerala during 04th-06th September.

Subdued rainfall activity likely over rest parts of the country during next 5 days.

For more details kindly refer:

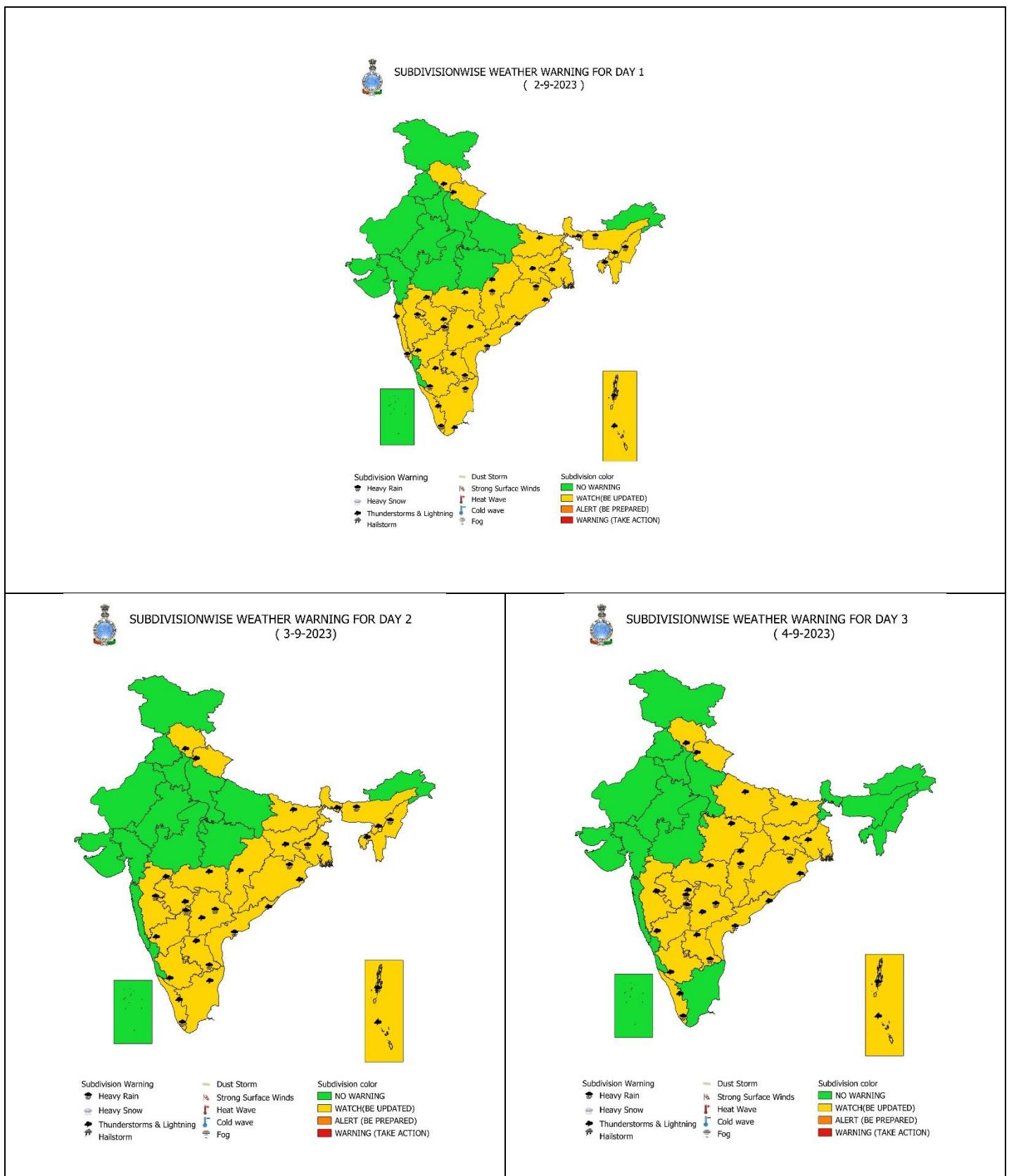
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

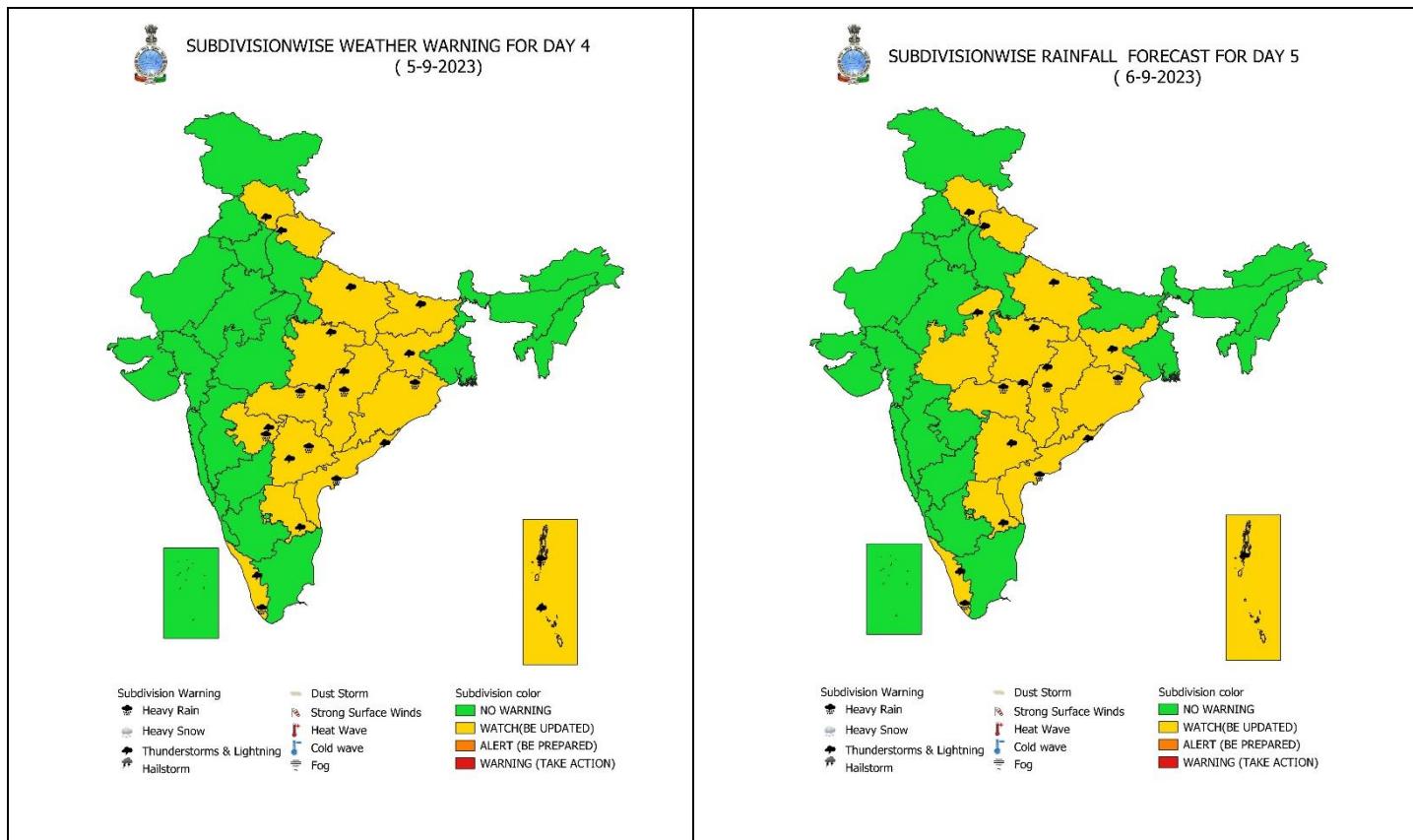
Annexure I

Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 02nd September, 2023):

- **Extremely heavy rainfall** at isolated places over Andaman & Nicobar Islands; **heavy to very heavy rainfall** at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, North Interior Karnataka and Madhya Maharashtra and **heavy rainfall** at isolated places over South Interior Karnataka, Rayalaseema, Coastal Andhra Pradesh, Konkan & Goa, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Odisha.
- **Significant rainfall recorded (in cm):**
 - ✓ **Andaman & Nicobar Islands:** Long Island 24, Hat Bay 8, IAF Carnicobar 7;
 - ✓ **Tamil Nadu, Puducherry & Karaikal:** Nalumukku (dist Tirunelveli) 16, Vaigai Dam (dist Theni), Kakkachi (dist Tirunelveli) 15 each, Nilakottai (dist Dindigul) 11, Andipatti (dist Theni) 10, Manjolai (dist Tirunelveli), Manjalar (dist Theni) 9 each, Periyakulam (dist Theni), Balamore (dist Kanyakumari) 8 each, Pennagaram (dist Dharmapuri), Kodumudi (dist Erode), Hogenekal (dist Dharmapuri) 7 each;
 - ✓ **Kerala & Mahe:** Ranni Aws (dist Pathanamthitta) 13, Peermade To (dist Idukki) 11, Venkurinji Aws (dist Pathanamthitta) 9, Kundala Dam Aws (dist Idukki) 7, Konni (dist Pathanamthitta) 7, Laha Aws (dist Pathanamthitta) 7;
 - ✓ **North Interior Karnataka:** Shahpur (dist Yadgir) 12;
 - ✓ **South Interior Karnataka:** Malavalli (dist Mandya) 9;
 - ✓ **Rayalaseema:** Srisailam (dist Nandyal) 8;
 - ✓ **Coastal Andhra Pradesh:** Rajahmundry (dist East Godavari) 8, Araku Valley (dist Alluri Sitharamaraju) 7;
 - ✓ **Madhya Maharashtra:** Lonavala_agri (dist Pune) 12, Chinchwad - Arg (dist Pune) 8;
 - ✓ **Konkan & Goa:** Khalapur (dist Raigad) 9, Sangameshwar Devrukh (dist Ratnagiri) 8, Karjat_agri (dist Raigad) 7;
 - ✓ **Assam & Meghalaya:** B P Ghat (dist Karimganj) 7, A P Ghat (dist Cachar) 7;
 - ✓ **Sub-Himalayan West Bengal & Sikkim:** Chel 8;
 - ✓ **Odisha:** Ghasipura (dist Keonjhar) 7, Banki (dist Cuttack) 7;

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





Legends:

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

- 🌧 Heavy Rain
- 🌨 Heavy Snow
- 🌩 Thunderstorms & Lightning
- ⛈ Hailstorm

Dust Storm

- 🌪 Strong Surface Winds
- 🌡 Heat Wave
- 🥶 Cold wave
- 🌫 Fog

Subdivision color

- 🟩 NO WARNING
- 🟨 WATCH(BE UPDATED)
- 🟧 ALERT (BE PREPARED)
- 🔴 WARNING (TAKE ACTION)

Probabilistic Forecast

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

Flash Flood Risk

🔴 High Risk (Take Action)
🟧 Moderate Risk (Be Prepared)
🟨 Low Risk (Be Updated)