



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 30th August, 2023

Time of Issue: 1300 hours IST

Subject: i) A fresh heavy rainfall spell likely over Odisha-Chhattisgarh-north Andhra Pradesh-Telangana from 02nd September, 2023.

ii) Isolated heavy rainfall activity likely to continue over Andaman-Nicobar Islands and extreme south Peninsular India during next 3-4 days.

iii) Subdued rainfall activity likely to continue 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 secondary trough at mean sea level runs from Northeast Bihar to Northeast Bay of Bengal across Gangetic West Bengal.
- ❖ The **trough** from South Interior Karnataka to Comorin area persists in lower tropospheric levels.

Weather Forecast and Warnings: (Annexure II)

Northeast India: Light/moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** activity very likely over Assam & Meghalaya on 02nd & 03rd September and Nagaland, Manipur, Mizoram & Tripura during next 5 days.

East India: Increase in rainfall activity very likely from 02nd September with Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over Andaman & Nicobar Islands during 30th August-03rd September, *Gangetic West Bengal on 03rd and over Odisha on 02nd & 03rd September.*

Central India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over *south Chhattisgarh on 02nd & 03rd September.*

South India: Light/moderate scattered **rainfall** with isolated **heavy rainfall** very likely over Tamil Nadu, Puducherry & Karaikal during 30th August-01st September and over Kerala during 30th -31st August, over north Coastal Andhra Pradesh and Telangana **on 02nd & 03rd September 2023.**

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

Hot and Humid weather likely to prevail over Coastal Andhra Pradesh & Yanam and Rayalaseema during next 2 days.

For more details kindly refer:

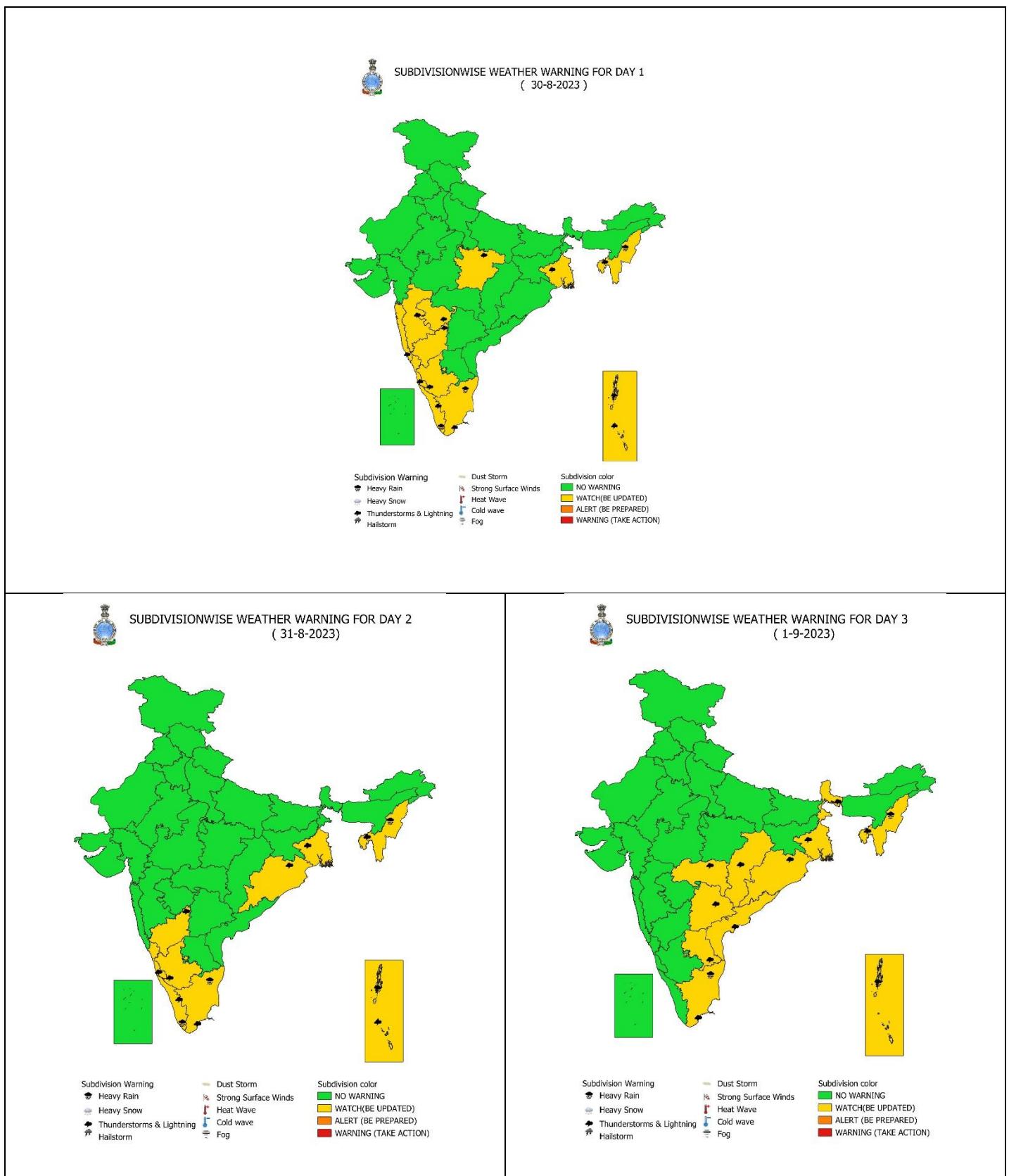
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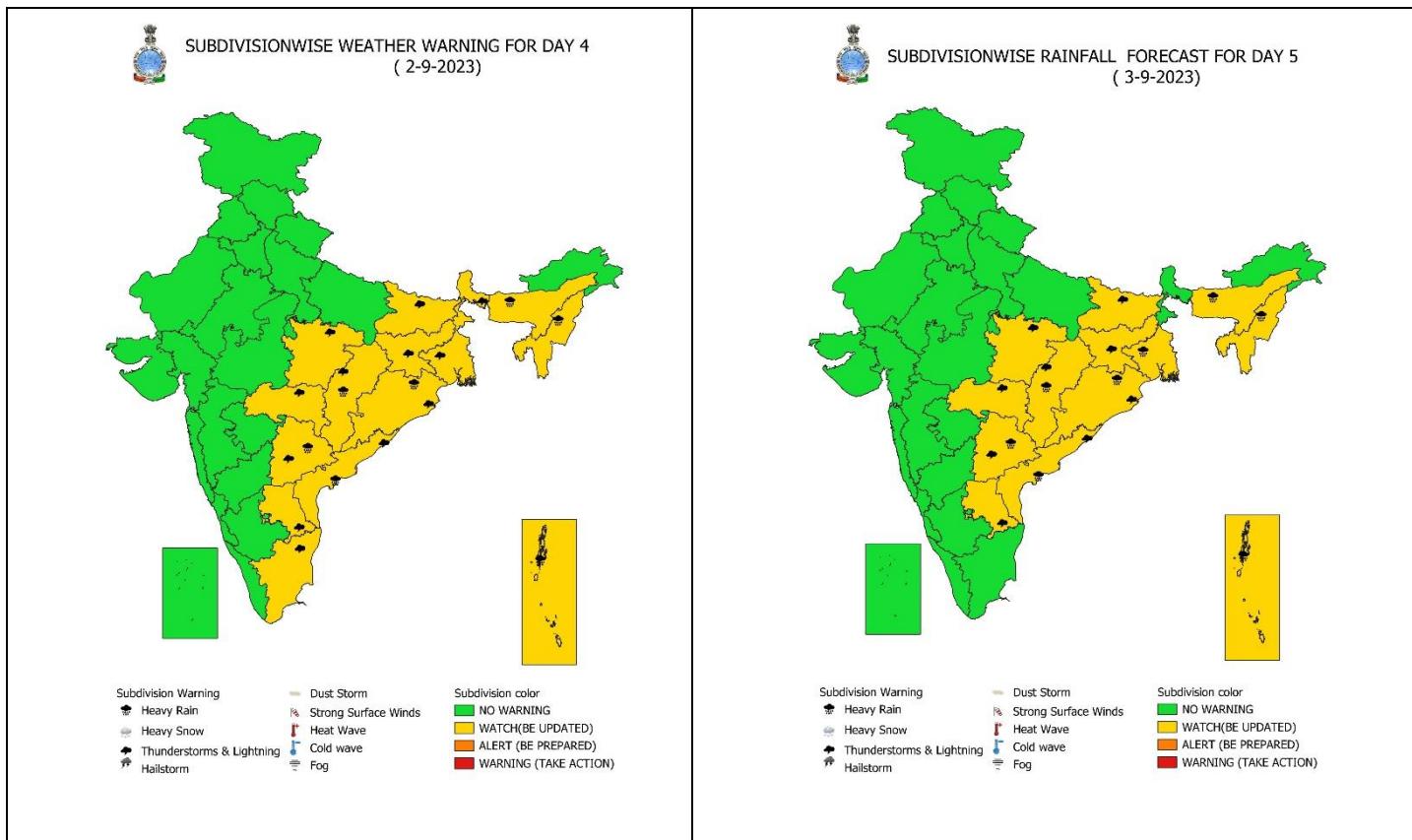
Annexure I

Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 30th August, 2023):

- **Heavy to very heavy rainfall occurred** at isolated places over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and **heavy rainfall** at isolated places over Gangetic West Bengal and Assam & Meghalaya.
- **Significant rainfall recorded (in cm):**
 - ✓ **Tamil Nadu, Puducherry & Karaikal:** Tirupuvanam (dist Sivaganga), Chinnakalar (dist Coimbatore) 15 each, Tobacco Station (dist Dindigul), Vedasandur (dist Dindigul), Namakkal (dist Namakkal) 11 each, Kamatchipuram (dist Dindigul), Panchapatti (dist Karur) 10 each, Sirukudi (dist Trichy), Erumapatti (dist Namakkal), Thiruthuraipoondi (dist Tiruvarur), Periyakulam (dist Theni) 8 each, Lower Anaicut (dist Thanjavur), Navalur Kottapattu (dist Trichy), Perambalur (dist Perambalur), Ponnamaravathi (dist Pudukkottai), Vettikadu (dist Thanjavur), Virudhunagar (dist Virudhunagar), Valparai PTO (dist Coimbatore), Kumbakonam (dist Thanjavur), Viralimalai (dist Pudukkottai), Namakkal Collectorate (dist Namakkal) 7 each;
 - ✓ **Kerala & Mahe:** Cherthala (Alappuzha district) 13, Thycauttusser AWS (Alappuzha district) 11, Kayamkulam & Kayamkulam_agri (both in Alappuzha district) 9 each, Mavelikkara (Alappuzha district) & Karumadi AWS (Alappuzha district) 8 each, Haripad (Alappuzha district), Vaikom (Kottayam district) & Munnar (Idukki district), Chalakudy (Thrissur dist) 7 each;
 - ✓ **Gangetic West Bengal:** Dumdum 7;
 - ✓ **Assam & Meghalaya:** Tikrikilla (dist West Garo Hills) 10.

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)