



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release.

Date: 28th September, 2023

Time of Issue: 1300 hours IST

Subject: 1) Conditions are becoming favourable for further withdrawal of Southwest Monsoon from some more parts of Northwest and adjoining Westcentral India during next 2-3 days.

2) A low pressure area is likely to form over Eastcentral & adjoining Northeast Bay of Bengal during next 24 hours.

3) A fresh spell of heavy rainfall likely over East India from 29th September.

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

Withdrawal of Southwest Monsoon:

- Conditions are becoming favourable for further withdrawal of Southwest Monsoon from some more parts of Northwest and adjoining Westcentral India during next 2-3 days.
- The line of withdrawal of Southwest Monsoon continues to pass through 28.3°N/72.0°E, Nokhra, Jodhpur, Barmer and 25.7°N/70.3°E.

Significant Weather features:

- ❖ A **cyclonic circulation** lies over north Coastal Karnataka and another cyclonic circulation lies over north Madhya Maharashtra in lower tropospheric levels.
- ❖ A **Shear Zone** runs roughly 15°N in lower & middle tropospheric levels.
- ❖ A **cyclonic circulation** lies over Myanmar & adjoining Eastcentral Bay of Bengal and extends upto middle tropospheric levels. Under its influence, a **low pressure area** is likely to form over Eastcentral & adjoining Northeast Bay of Bengal during next 24 hours. Thereafter, it is likely to become **Well Marked Low Pressure area** and move northwestwards towards North Odisha & adjoining West Bengal coasts during subsequent 48 hours.

Weather Forecast and Warnings: (Annexure II)

East India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Andaman & Nicobar Islands during 28th Sept to 01st October; Odisha on 29th September to 01st October; Gangetic West Bengal on 29th & 30th and Jharkhand during 30th September to 02nd October and Bihar on 02nd October.

Isolated very heavy rainfall very likely over Andaman & Nicobar Islands during 28th to 30th September; Odisha on 01st & 2nd October. Squally weather with wind speed reach 45-55 gusting to 65 likely over Andaman Islands during 28th September to 01st October, 2023.

South India: Light/moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** very likely over ghat areas of Tamil Nadu during 28th-29th; Coastal Karnataka during 28th September-

01st October; Kerala & Mahe during 28th September to 01st October and Interior Karnataka during 28th to 29th September. **Isolated very heavy rainfall very likely over Coastal Karnataka on 29th & 30th September.**

West India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Konkan-Goa during 28th September to 01st October; Madhya Maharashtra during 28th-30th September. **Isolated very heavy rainfall very likely over Konkan - Goa during 28th to 30th and Madhya Maharashtra on 29th September.**

Central India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Chhattisgarh during 30th September to 02nd October.

Northeast India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Nagaland, Manipur, Mizoram & Tripura on 28th & 29th; over Assam & Meghalaya 01st to 2nd October.

No significant weather over rest parts of the country.

For more details kindly refer:

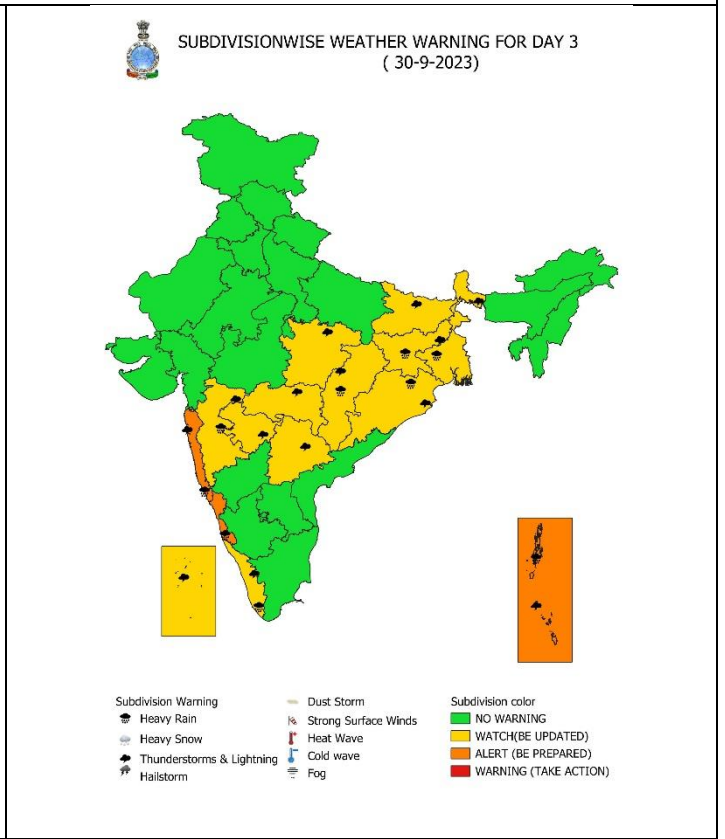
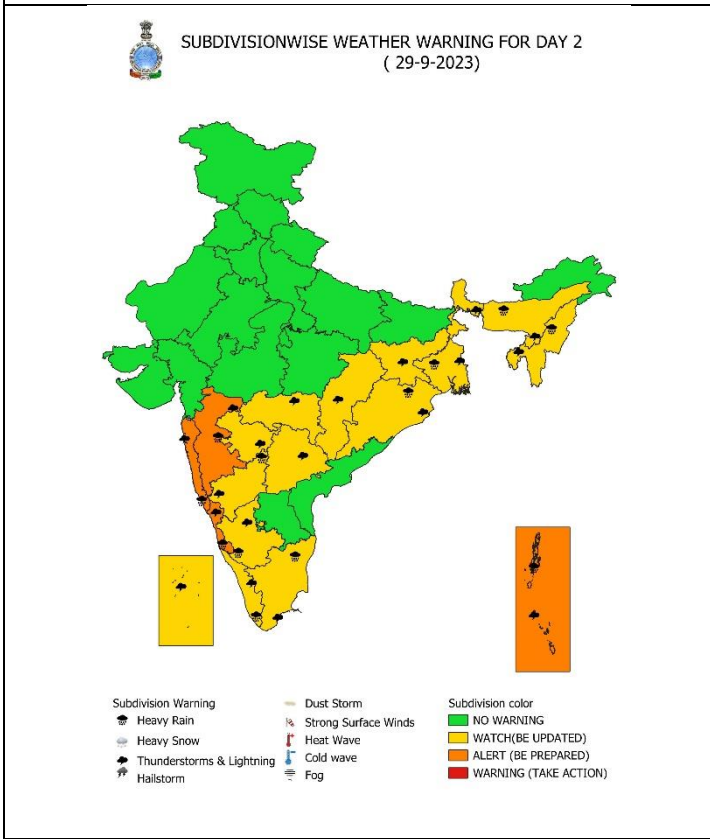
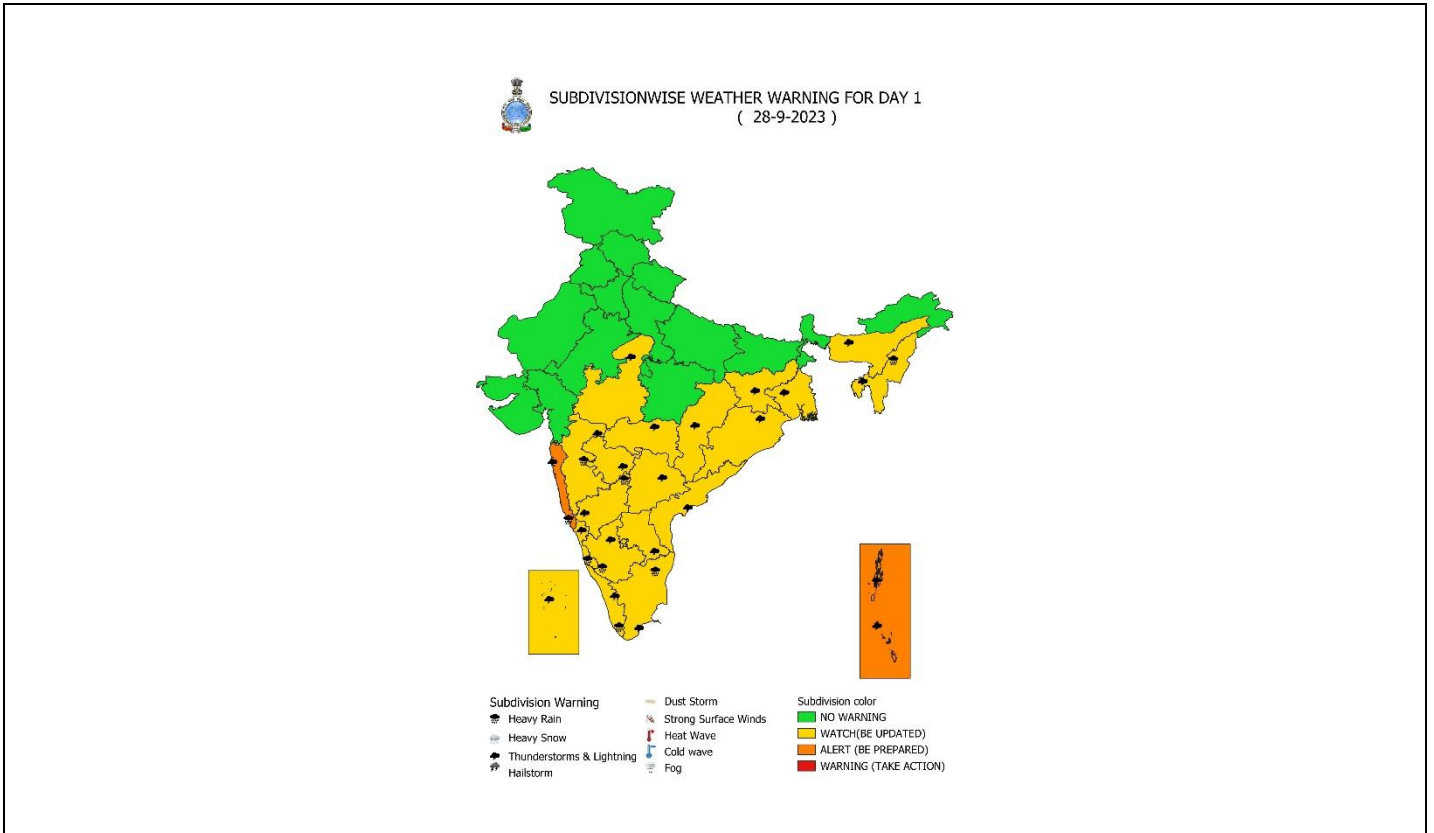
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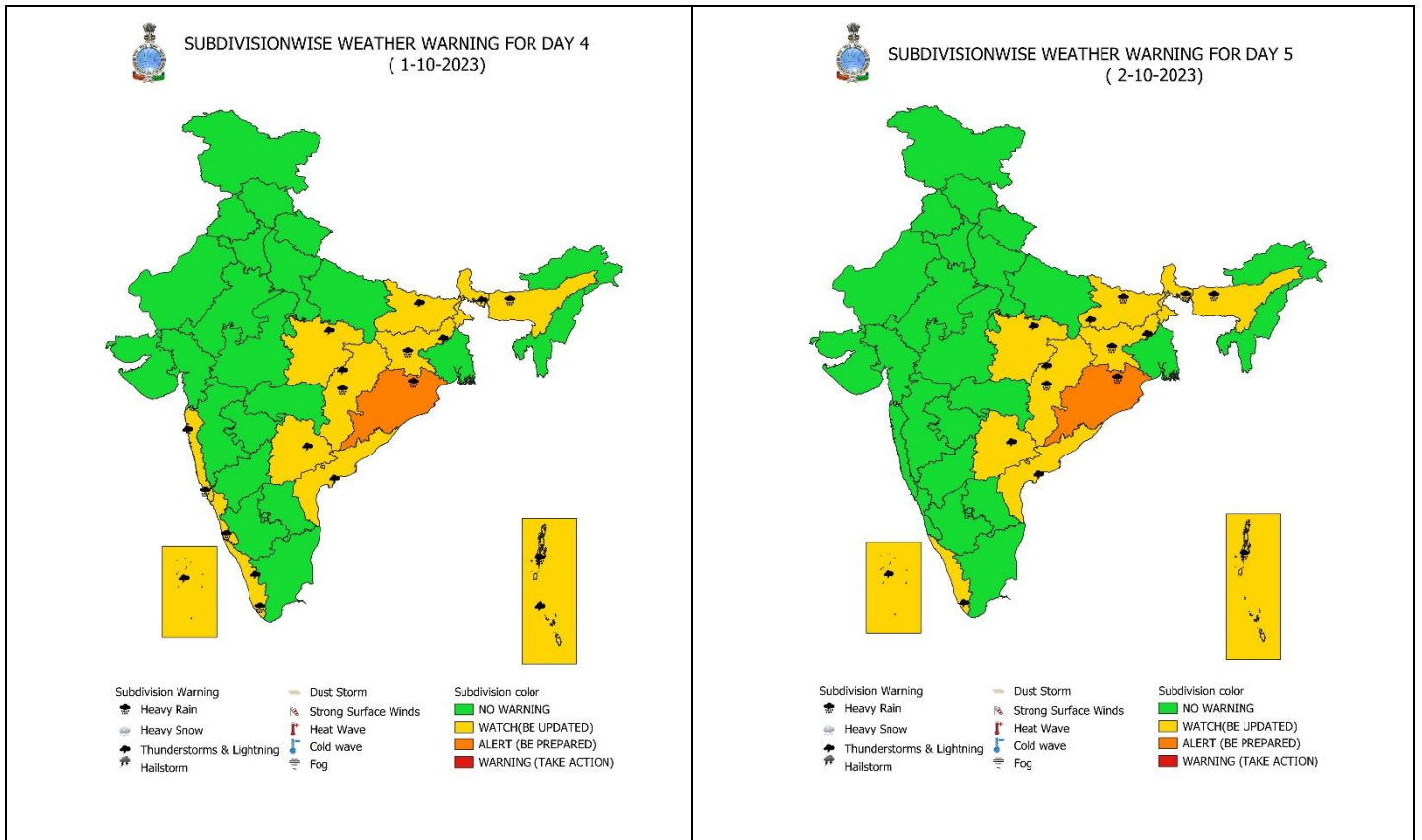
Annexure I

Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 28th September, 2023):

- **Heavy to very heavy rainfall** at isolated places over Andaman & Nicobar Islands, Konkan & Goa and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Coastal Andhra Pradesh & Yanam, Madhya Maharashtra, Chhattisgarh and Telangana.
- **Significant rainfall recorded (in cm):**
- ✓ **Andaman & Nicobar Islands:** Port Blair: 15; Mayabunder, IAF Carnicobar: 7; Long Island, Carnicobar: 5;
- ✓ **Konkan & Goa:** Lanja (dist Ratnagiri) 13, Kudal (dist Sindhudurg) 9, Canacona (dist South Goa) 9, Sangameshwar Devrukh (dist Ratnagiri) 7, Kalyan (dist Thane) 6, Bhiwandi (dist Thane) 5, Dabolim N.a.s.- Navy (dist South Goa) 5, Thane (dist Thane) 5, Khalapur (dist Raigad) 5;
- ✓ **Tamil Nadu, Puducherry & Karaikal:** Kattapakkam KVK (dist. Kancheepuram) 12, Sholinganallur (dist. Chennai) 10, Taluk Office Arani (dist. Tiruvannamalai) 9, Walajabad (dist. Kancheepuram) 8, VIT Chennai AWS (dist. Chengalpattu) 7, Venbakkam (dist. Tiruvannamalai) 7;
- ✓ **Coastal Andhra Pradesh & Yanam:** Peddapuram (dist Kakinada) 11, Kandukur (dist Spsr Nellore) 5;
- ✓ **Madhya Maharashtra:** Ambegaon Ghodegaon (dist Pune) 9, Igatpuri (dist Nashik) 7, Harsul - Fmo (dist Nashik) 6, Chinchwad - Arg (dist Pune) 5, Paud Mulshi (dist Pune) 5, Sinnar (dist Nashik) 5;
- ✓ **Chhattisgarh:** Masturi (dist Bilaspur) 8;
- ✓ **Telangana:** Hakimpet Iaf (dist M. Malkajgiri) 7, Zaffergadh (dist Jangaon) 6, Golkonda (dist Hyderabad) 5;
- ✓ **East Rajasthan:** Pokhran 7;
- ✓ **Rayalaseema:** Guntakal (dist Anantapuramu) 6;
- ✓ **Odisha:** Kotpad (dist Koraput) 6, Sonapur (dist Sonapur) 5, Khairamal (dist Boudhgarh) 5;
- ✓ **Kerala & Mahe:** Padannakkad Aws (dist Kasargod) 5, Bayar Aws (dist Kasargod) 5, Kudulu (dist Kasargod) 5, Chalakudi (dist Thrissur) 5.

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 Andaman & Nicobar Islands and Konkan & Goa during 28th to 30th September; over Coastal Karnataka on 29th & 30th September; over Madhya Maharashtra on 29th September and over Odisha on 01st & 2nd October.

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.
- ❖ **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	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

Flash Flood Risk	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)