



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release.

Date: 29th September, 2023

Time of Issue: 1230 hours IST

Subject: A Low Pressure Area lies over Eastcentral Arabian Sea off south Konkan-Goa coasts and another Low Pressure Area lies over Northeast & adjoining Eastcentral Bay of Bengal.

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 Low-Pressure Area** lies over Eastcentral Arabian Sea off south Konkan-Goa coasts. It is likely to become Well Marked Low Pressure Area over the same area during next 24 hours. It is likely to persist over the same region during subsequent 24 hours.
- ❖ Another **Low-Pressure Area** lies over Northeast & adjoining Eastcentral Bay of Bengal. It is likely to become Well Marked Low Pressure Area and move northwestwards towards north Odisha & adjoining West Bengal coasts during next 48 hours.
- ❖ A **Shear Zone** runs roughly 15°N in lower & middle tropospheric levels.
- ❖ A cyclonic circulation lies over Southwest Bay of Bengal off Tamil Nadu coast in middle tropospheric levels.

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, Gangetic West Bengal during 29th September to 01st October; Odisha on 29th September & 03rd October; Jharkhand during 30th September to 03rd October; Bihar during 01st-03rd October and Sub-Himalayan West Bengal & Sikkim on 02nd & 03rd October.

Isolated very heavy rainfall very likely over Andaman & Nicobar Islands on 29th; Gangetic West Bengal on 30th September; Odisha on 30th September, 01st & 2nd October.

Squally weather with wind speed reach 45-55 gusting to 65 likely over Andaman Islands on 29th & 30th September, 2023.

South India: Light/moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** very likely over ghat areas of Tamil Nadu, Andhra Pradesh, Telangana on 29th; Karnataka and Kerala & Mahe during 29th September-01st October.

Isolated very heavy rainfall very likely over Coastal Karnataka and Kerala today.

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

Isolated very heavy rainfall very likely over south Konkan -Goa on 29th & 30th September.

Central India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Chhattisgarh during 29th September to 02nd October.

Northeast India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 29th, 30th September, 01st & 02nd October and over Arunachal Pradesh on 03rd October.

No significant weather over rest parts of the country.

For more details kindly refer:

[https://mausam.imd.gov.in/responsive/all india forcast bulletin.php](https://mausam.imd.gov.in/responsive/all%20india%20forcast%20bulletin.php)

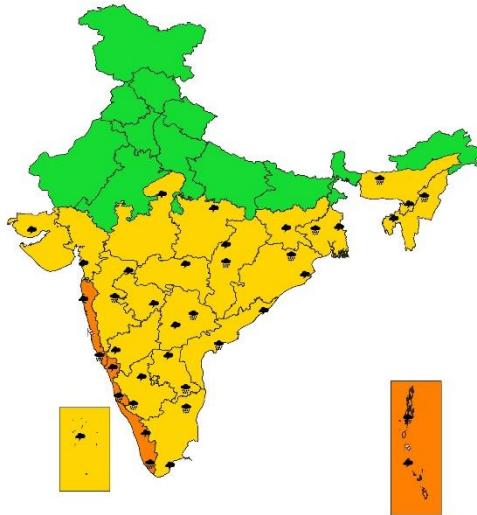
Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 29th September, 2023):

- **Heavy to very heavy rainfall** at isolated places over Goa, Kerala, Chhattisgarh, Andaman & Nicobar Islands and **heavy rainfall** at isolated places over Rayalaseema, North Interior Karnataka, Telangana, Marathawada and Nagaland.
- **Significant rainfall recorded (in cm):**
- ✓ **Andaman & Nicobar Islands:** Long Island:15; Carnicobar:12; Carnicobar:8;
- ✓ **Kerala:** Cherthala Aws (dist Alapuzha) 15, Cherthala (dist Alapuzha) 13, Vadakkancherry (dist Thrissur) 12, Thycauttussery Aws (dist Alapuzha) 12, Vaikom (dist Kottayam) 11, Kannur (dist Cannur) 11, Alapuzha (dist Alapuzha) 11, Haripad (dist Alapuzha) 10, Quilandi (dist Kozhikode) 10, Perumpavur (dist Ernakulam) 10, Mancompu (dist Alapuzha) 10, Kunnamkulam (dist Thrissur) 10, Odakali Aws (dist Ernakulam) 9, Vadakara (dist Kozhikode) 9, Piravam (dist Ernakulam) 9, Kottayam (dist Kottayam) 9, Venkurinji Aws (dist Pathanamthitta) 8, Mahe (dist Mahe) 8, Peringome Aws (dist Cannur) 8, Ams Kannur (dist Cannur) 8, Tellichery (dist Cannur) 8, Palluruthy Arg (dist Ernakulam) 8, Kochi I.a.f. (dist Ernakulam) 7, Kudulu (dist Kasargod) 7, Kunnamkulam Aws (dist Thrissur) 7, Mattannur Arg (dist Cannur) 7, Kanjirappally (dist Kottayam) 7, Padannakkad Aws (dist Kasargod) 7, Taliparamba (dist Cannur) 7, Irikkur (dist Cannur) 7, Pattedmbi (dist Palakkad) 7, Mannarkkad Aws (dist Palakkad) 7, Ponnani (dist Malappuram) 7, Thritla (dist Palakkad) 7, Mannarkkad (dist Palakkad) 7,
- ✓ **Goa:** Dabolim- Navy (dist South Goa) 12, Margao (dist South Goa) 11, Mormugao (dist South Goa) 10, Panjim (dist North Goa) 8, Ponda (dist North Goa) 7, Mapusa (dist North Goa) 7,
- ✓ **Chhattisgarh:** Kusmi (dist Balrampur) 12, Bijapur (dist Bijapur) 7,
- ✓ **Telangana:** Tadwai (dist Kamareddy) 11, Enkuru (dist Khammam) 7,
- ✓ **Nagaland:** Zunheboto (dist Zunheboto) 11
- ✓ **Maratahwada:** Udgir (dist Latur) 8,
- ✓ **Rayalaseema:** Kodur (dist Ysr District) 7,
- ✓ **North Interior Karnataka:** Bidar (dist Bidar) 7,

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



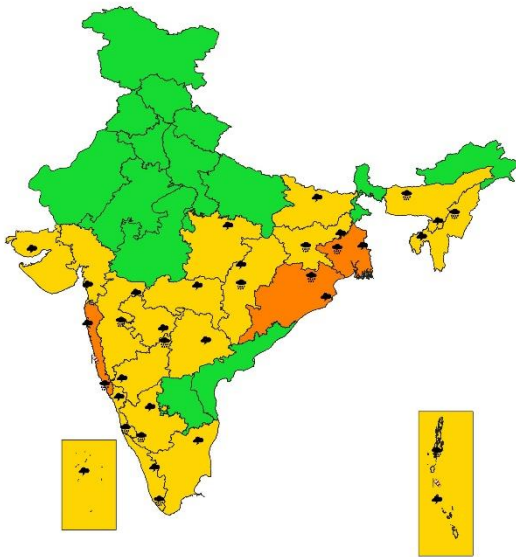
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
(29-9-2023)



- | | | |
|----------------------------|----------------------|--------------------------|
| 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) |



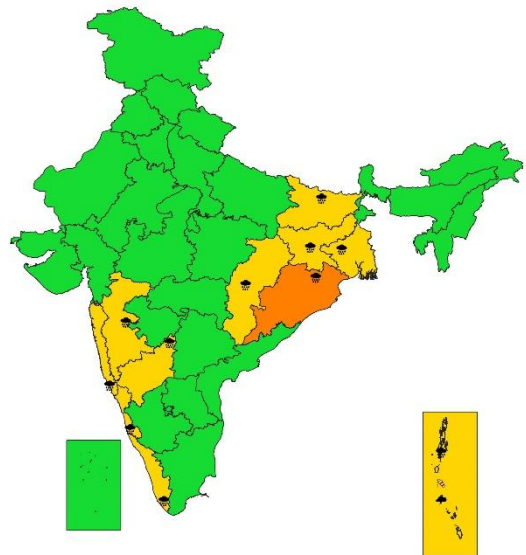
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(30-9-2023)



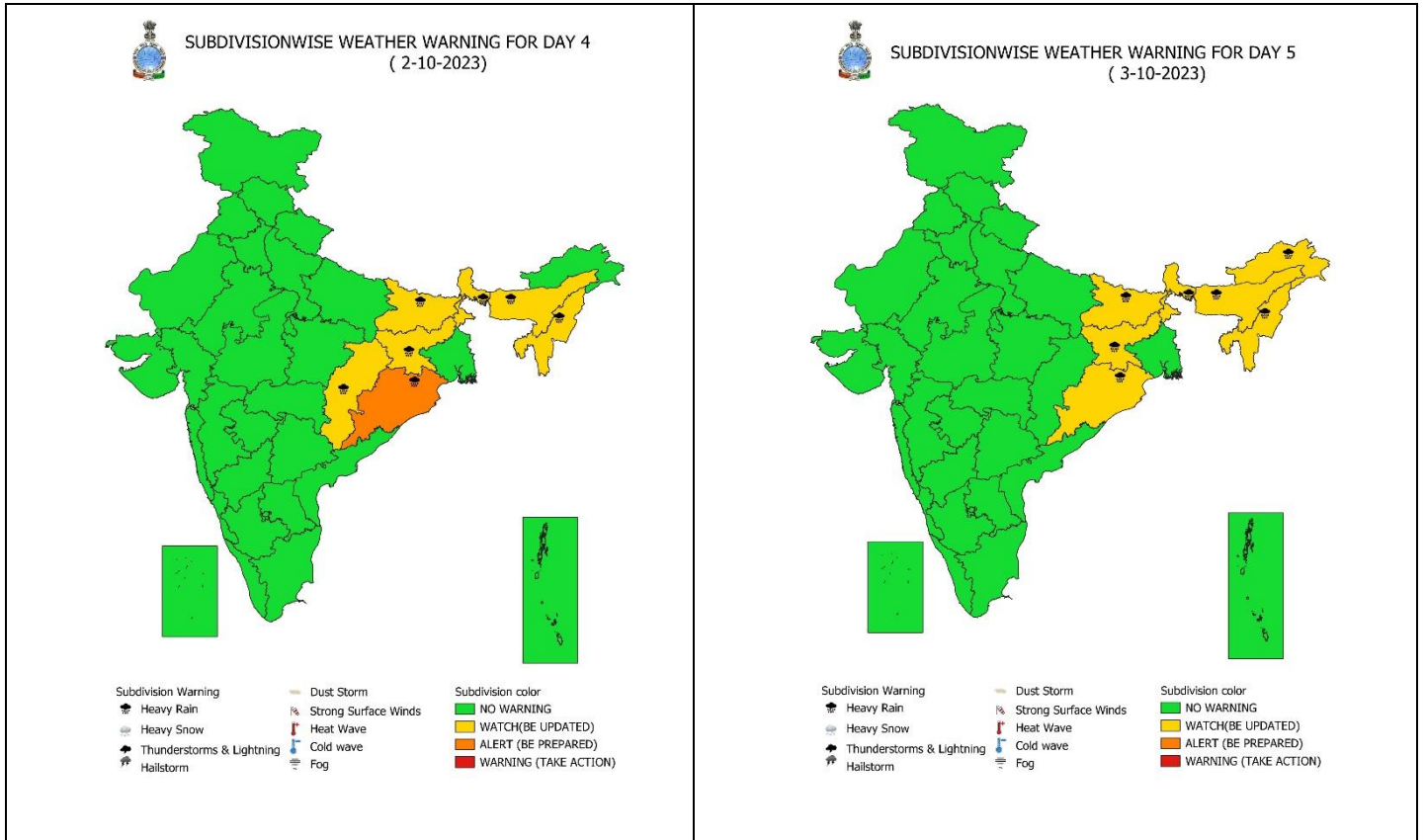
- | | | |
|----------------------------|----------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| Heavy Rain | Strong Surface Winds | NO WARNING |
| Heavy Snow | Heat Wave | WATCH (BE UPDATED) |
| Thunderstorms & Lightning | Cold wave | ALERT (BE PREPARED) |
| Hailstorm | Fog | WARNING (TAKE ACTION) |



SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(1-10-2023)



- | | | |
|----------------------------|----------------------|--------------------------|
| 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) |



Impact & Action Suggested due to very heavy rainfall over Andaman & Nicobar Islands, Coastal Karnataka, Kerala on 29th; and Konkan & Goa on 29th & 30th September; over Gangetic West Bengal on 30th; and over Odisha during 30th September-02nd 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

Fishermen warning graphics

Day 1: 29.09.2023/11:30AM to 30.09.2023/05:30AM



Day 2: 30.09.2023/05:30AM to 01.10.2023/05:30AM



Day 3: 01.10.2023/05:30AM to 02.10.2023/05:30AM



Day 4: 02.10.2023/05:30AM to 03.10.2023/05:30AM



Day 5: 03.10.2023/05:30AM to 04.10.2023/05:30AM



Squally WX with wind speed 40-45 kmph gusting to 55 kmph

Squally WX with wind speed 45-55 kmph gusting to 65 kmph

Squally wind speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.

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)