



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 18th November, 2023
Time of Issue: 1215 hours IST

Subject: i) The Cyclonic Storm “Midhili” has weakened into a Low Pressure Area over north Tripura & neighbourhood at 0830 hrs IST of today.

ii) Isolated heavy rainfall spell likely to continue over Tamil Nadu and Kerala during 18th - 20th November, 2023.

Rainfall recorded during past 24 hours till 0830 hours IST of today:

- ❖ **Heavy to very heavy rainfall** observed at isolated places over Mizoram, Tripura and **heavy rainfall** at isolated places over Assam and Tamil Nadu.
- ❖ **Significant Rainfall Amount (in cm): Tripura:** Ashapara (Aws) (Dist: North Tripura) 15, Bagafa(Aws) (Dist: South Tripura) 14, Amarpur (Dist: Gomati) 14, Kvk South (Dist:South Tripura) 14, , Bagafa (Dist: South Tripura) 13, Kanchanpur (Dist:North Tripura) 13, Belonia Arg (Dist: South Tripura) 13, Gokulpur(Aws) (Dist: South Tripura) 12, Kvk Dhalai (Dist: Dhalai) 11, Agartala A/P (Dist: West Tripura) 11, Dhalai Kvk Aws (Dist: Dhalai) 10, Met Agartala (Aws) (Dist: West Tripura) 10, Dmo West Agartala (Arg) (Dist: West Tripura) 10, A.D.Nagar (Dist: West Tripura) 10, Lembucherra (Dist: West Tripura) 10, Sonamura (Dist: Siphalijala) 10, Lambucherra_Agri_Clge(Arg) (Dist: West Tripura) 10; **Mizoram:** Aizwal (Agri) (Dist: Aizwal) 12, Saitual (Agri) (Dist:) 11, Lengpui (Dist: Aizwal) 11 , Mizoram University(Aws) (Dist: Aizwal) 10, Kolasib(Aws) (Dist: Kolasib) 10, Lunglei(Agri) (Dist: Lunglei) 10; **Assam:** Matijuri (Dist: Hailakandi) 10; **Tamil Nadu:** Manalmedu (dist Mayiladuthurai), Nannilam (dist Tiruvarur) 7 each.

Weather Systems based on 0830 hours IST

- ❖ The **Cyclonic Storm “Midhili” (pronounced as “Midhili”)** over Northwest & adjoining Northeast Bay of Bengal crossed Bangladesh coast near Khepupara during 1430-1530 hrs IST of 17th November, 2023. It then continued to move north-northeastwards and weakened into a Deep Depression at 2330 hrs IST of yesterday and further weakened into a Depression at 0530 hrs IST of today. It has weakened into a **Low Pressure Area** over North Tripura and neighbourhood at 0830 hours IST of today, the 18th November. It is likely to continue to move further northeastwards and become less marked during next 06 hours.
- ❖ An upper air **Cyclonic Circulation** lies over Southwest Bay of Bengal & adjoining Sri Lanka in the lower tropospheric levels and a **trough** runs from this cyclonic circulation to the cyclonic circulation associated with the **Low Pressure Area** over North Tripura and neighbourhood in the lower tropospheric levels.
- ❖ A **Cyclonic Circulation** lies over Southeast Bay of Bengal & adjoining Andaman Sea in lower & middle tropospheric levels.

Forecast & Warnings during next 5 days (graphics in Annexure I)

- (i) Light to moderate rainfall at some places is likely over Mizoram & Tripura on 18th November.
- (ii) Light to moderate rainfall at some places with **isolated heavy rainfall** is very likely to continue over Tamil Nadu and Kerala during 18th-20th; Coastal Andhra Pradesh on 21st and over Tamil Nadu on 22nd November, 2023. Isolated thunderstorm activity likely to occur over the above region during 18th – 22nd November 2023.
- (iii) **Isolated heavy rainfall** is very likely over Andaman & Nicobar Islands today.

Dense Fog Warning:

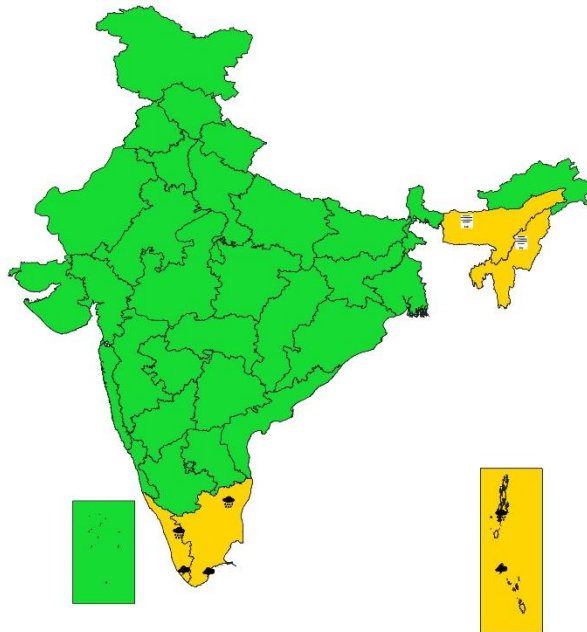
Dense Fog very likely in isolated pockets of east and south Assam, Meghalaya, Nagaland, Manipur, Mizoram and Tripura during 18th–19th November 2023.

No significant weather likely over rest parts of the country.

For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>



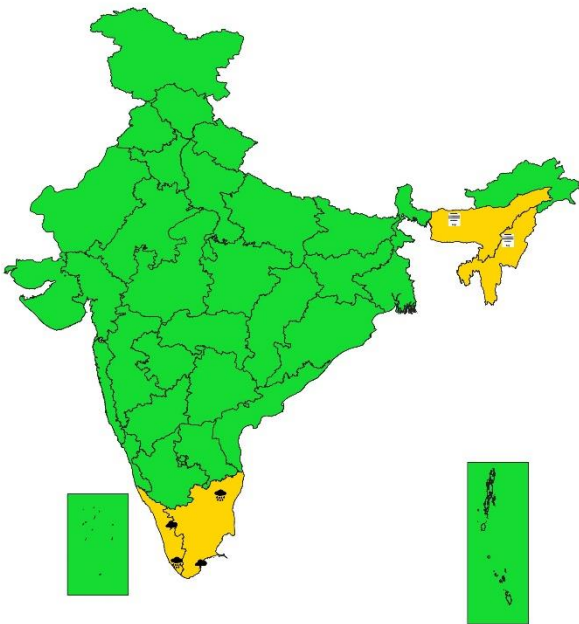
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
(18-11-2023)



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



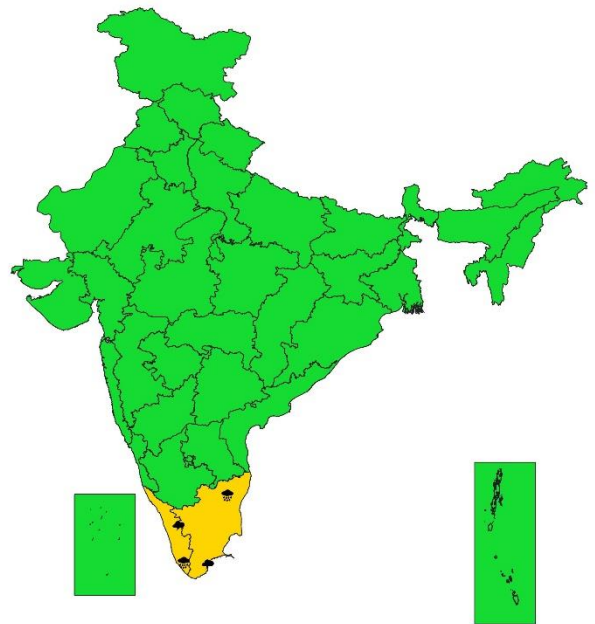
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(19-11-2023)



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| 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) |



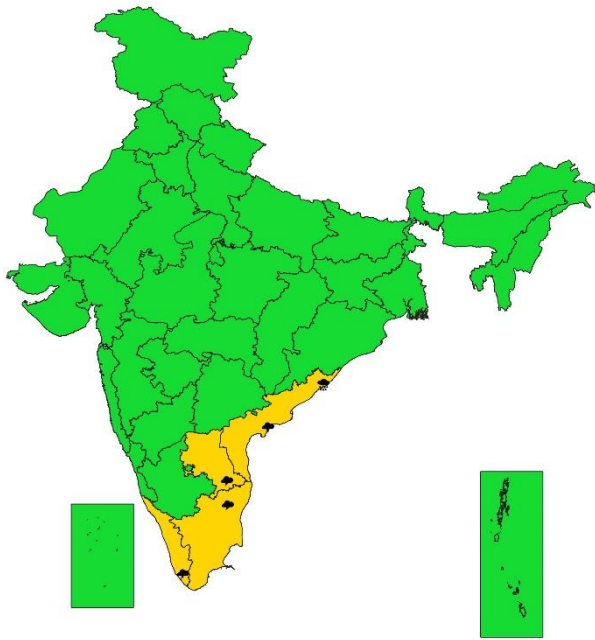
SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(20-11-2023)



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| 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) |



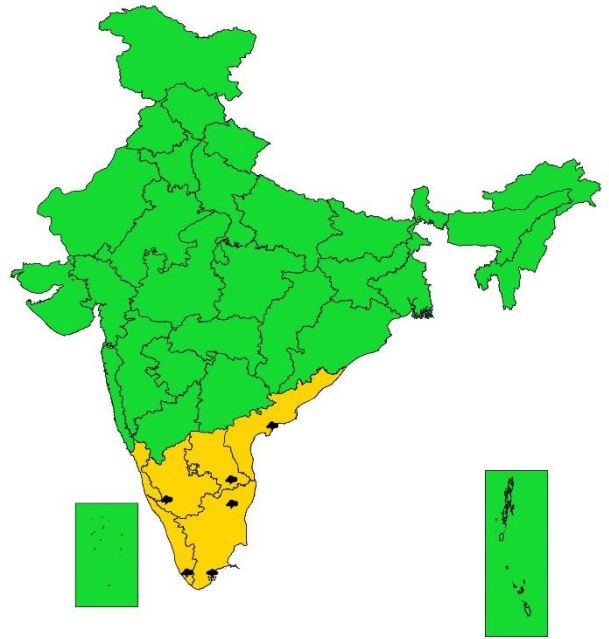
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(21-11-2023)**



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|----------------------------|----------------------|--------------------------|
| 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 5
(22-11-2023)**
















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| 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) |

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; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation
- ❖ **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

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