



India Meteorological Department
(Ministry of Earth Sciences)

NATIONAL BULLETIN NO. 15 (BOB/05/2023)

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Sub: Cyclonic Storm “Midhili” (pronounced as “Midhili”) over coastal Bangladesh

The Cyclonic Storm “Midhili” (pronounced as “Midhili”) over Coastal Bangladesh moved north-northeastwards with a speed of 32 kmph during past 6 hours and lay centered at 2030 hours IST of today, the 17th November over Coastal Bangladesh near latitude 23.2°N and longitude 91.1°E about 80 km northeast of Bhola (Bangladesh), 30 km north of Majdicourt (Bangladesh), 70 km south-southwest of Agartala and 240 km southwest of Silchar.

It is likely to move north-northeastwards and weaken into a Deep Depression over Tripura and adjoining Bangladesh during next 03 hours and into a Depression over south Assam & adjoining Mizoram-Tripura during subsequent 06 hours.

Forecast track and intensity are given below:

Date/Time (IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
17.11.23/2030	23.2/91.1	60-70 kmph gusting to 80 kmph	Cyclonic Storm
17.11.23/2330	23.7/91.5	55-65 kmph gusting to 75 kmph	Deep Depression
18.11.23/0530	24.7/92.4	40-50 kmph gusting to 60 kmph	Depression

Warnings:

(i) Rainfall Warning (graphics enclosed):

- Light to moderate rainfall at most places is likely over Nagaland, Manipur, Mizoram & Tripura on 17th & 18th November with isolated heavy rainfall over Nagaland & Manipur on 17th & 18th and over Mizoram & Tripura during till morning of 18th November..
- Light to moderate rainfall at many places with isolated heavy rainfall is likely over south Assam and east Meghalaya on 17th & 18th November.

(ii) Wind warning (graphics enclosed):

- **Northeast adjoining Northwest Bay of Bengal and along & off Bangladesh coast: Gale wind** speed reaching **60-70 kmph gusting to 80 kmph** is prevailing and would decrease gradually becoming **50-60 kmph gusting to 70 kmph** from 17th midnight. It would decrease further becoming **Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** by morning of 18th November and would decrease thereafter.
- **Strong wind** speed reaching **40-50 kmph gusting to 60 kmph** is likely over Tripura, Mizoram, Manipur and south Assam till 18th November evening.

(iii) Sea Condition:

- **High to very rough** sea condition is prevailing over Northeast adjoining Northwest Bay of Bengal and along & off Bangladesh coast and is likely to become **very rough to rough** from midnight of 17th till morning of 18th November and improve thereafter.
- **Rough to very rough** sea condition is likely along & off West Bengal coast till midnight of 17th November.

(iv) Fishermen Warning:

Fishermen are advised not to venture into

- Northeast adjoining Northwest Bay of Bengal and along & off Bangladesh coast till morning of 18th November.
- Along & off West Bengal coast till 17th November midnight.

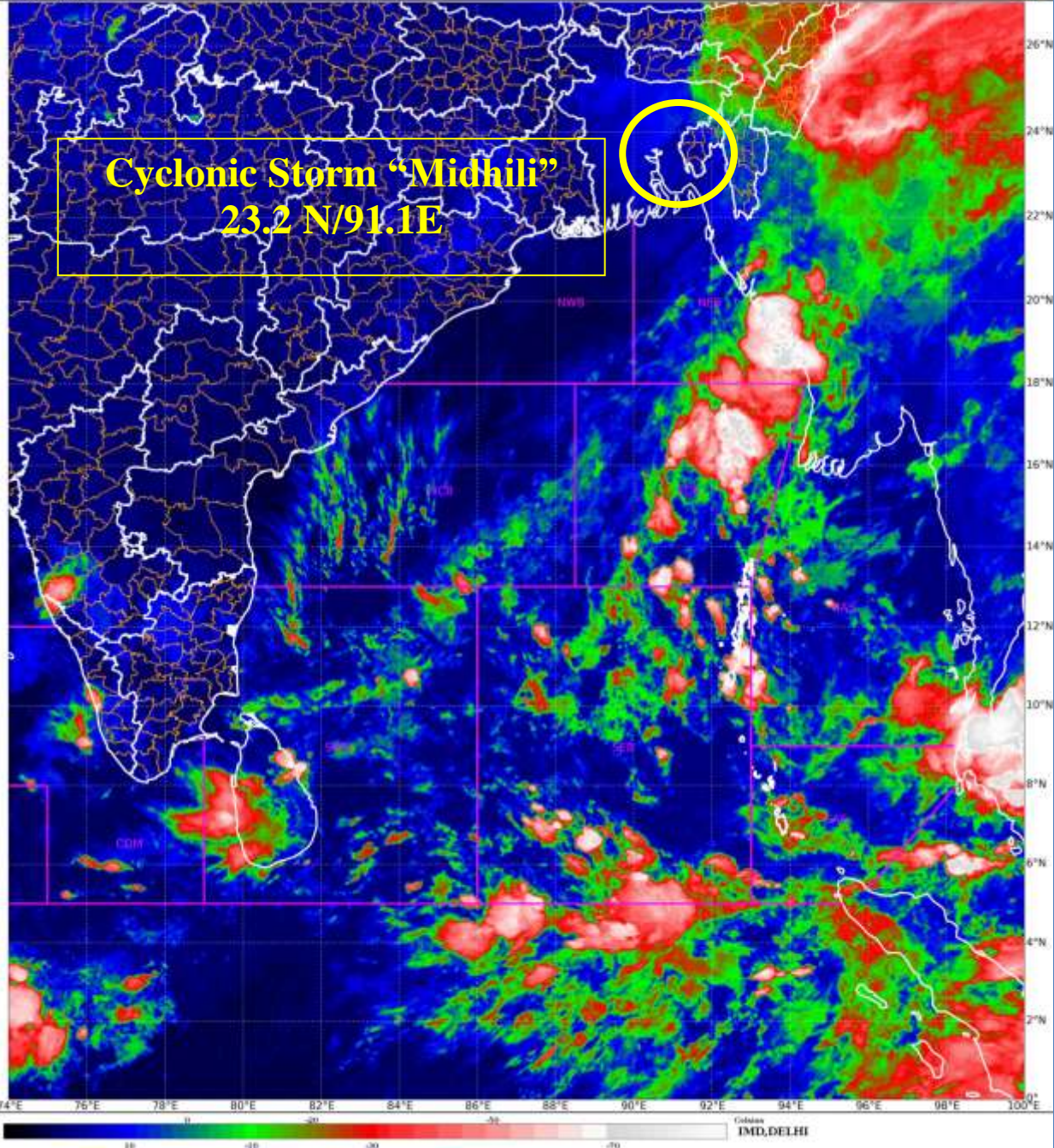
(v) Damage Expected & Action Suggested for Mizoram-Tripura adjoining south Assam during next 12 hours:

- Damage to thatched huts and loose/unsecured structures..
- Minor damage to power and communication lines due to breaking of branches.
- Minor damage to Kutcha Roads.
- Some damage to paddy crops, banana, papaya & drumstick trees and orchards.
- Inundation in low lying areas.

The system is under continuous surveillance and the next message will be issued at 0230 hours IST of 18th November, 2023.

(Ananda Kumar Das)
Scientist F, Cyclone Warning, New Delhi

Copy to: ACWC Chennai/ ACWC Kolkata/CWC Bhubaneswar/CWC Vishakhapatnam/MC Amravati/ RMC Guwahati/MC Agartala/MC Mizoram/MC Manipur/MC Nagaland/MC Shillong





OBSERVED AND FORECAST TRACK AND INTENSITY ALONGWITH CONE OF UNCERTAINTY IN ASSOCIATION WITH CYCLONIC STORM MIDHILI OVER COASTAL BANGLADESH BASED ON 1500 UTC (2030 HRS IST) OF 17TH NOVEMBER 2023.



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● LESS THAN 34 KT

⊖ 34-47 KT

⊖ ≥ 48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK AND INTENSITY ALONG WITH QUADRANT WIND DISTRIBUTION IN ASSOCIATION WITH CYCLONIC STORM MIDHILI OVER COASTAL BANGLADESH BASED ON 1500 UTC (2030 HRS IST) OF 17TH NOVEMBER 2023.



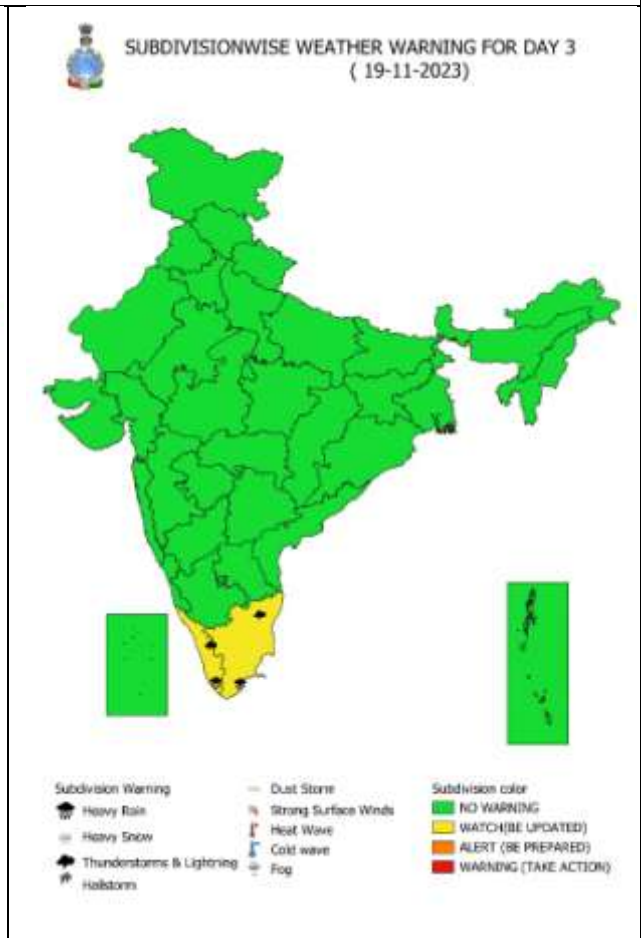
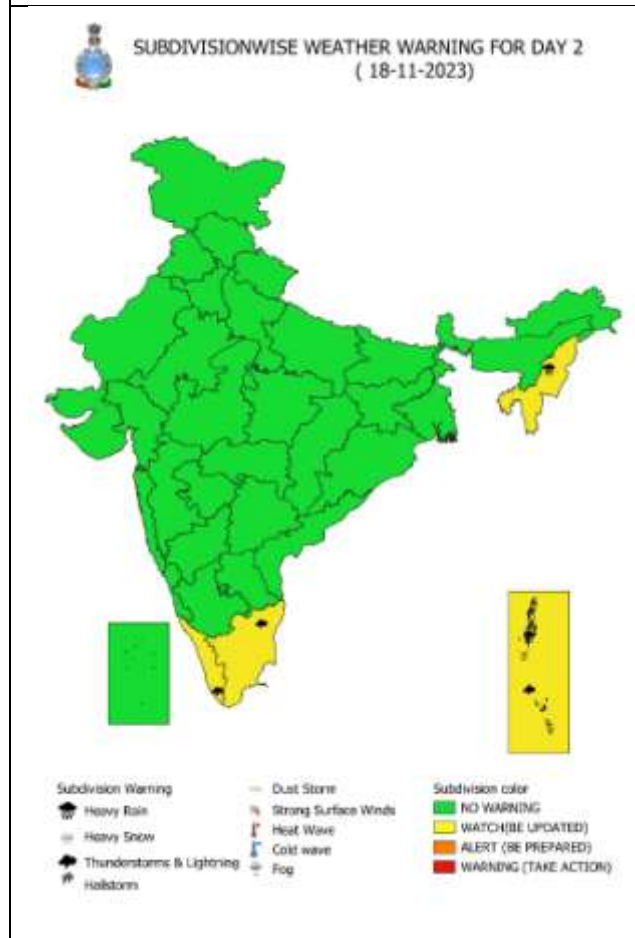
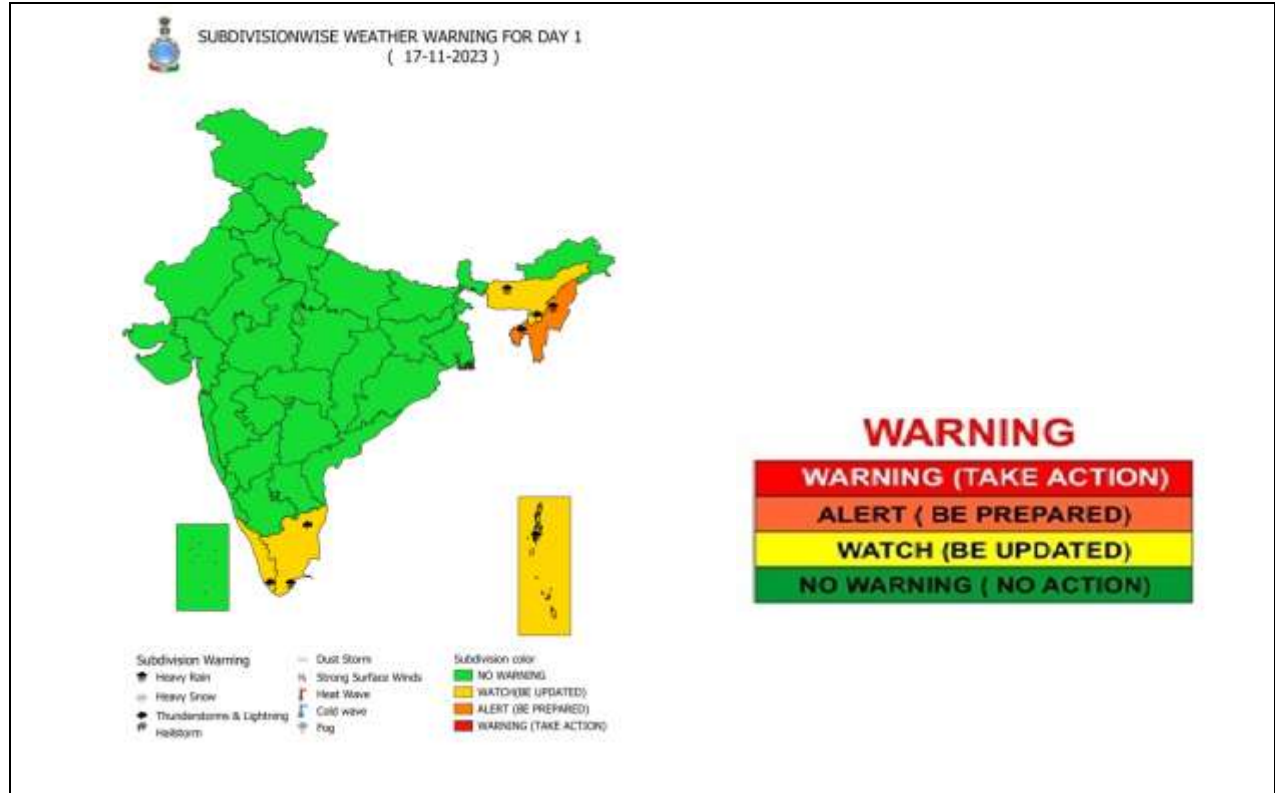
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 L: LOW PRESSURE AREA
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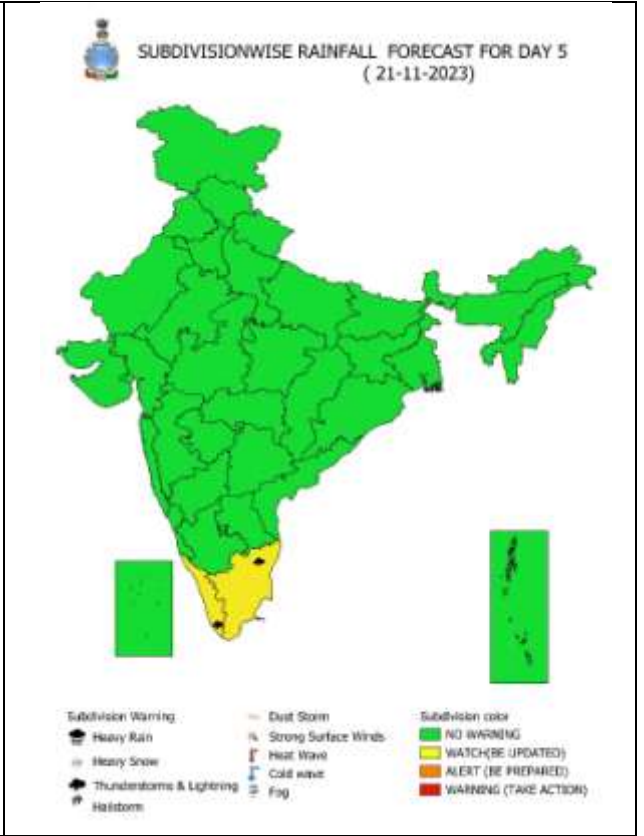
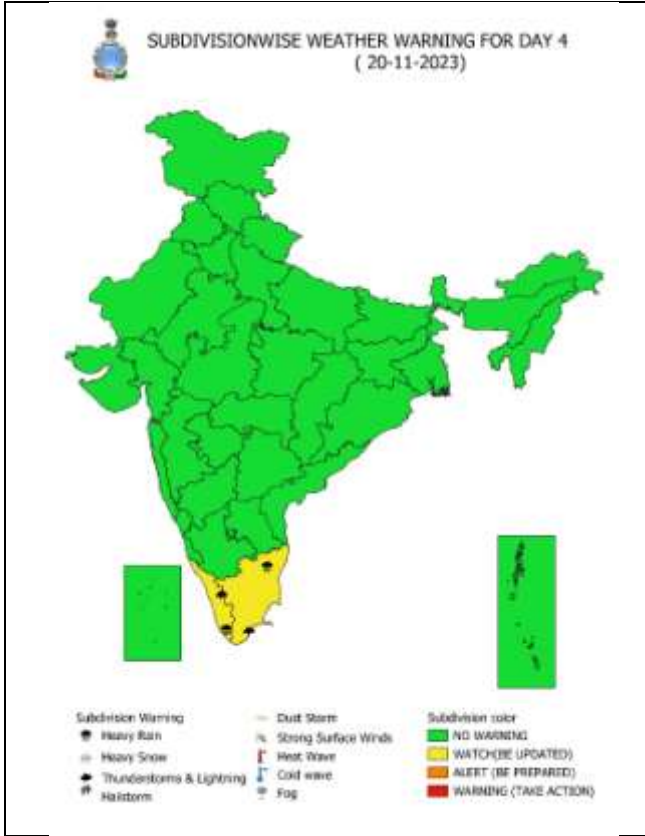
● LESS THAN 34 KT
 ○ 34-47 KT
 ● ≥ 48 KT
 — OBSERVED TRACK
 — FORECAST TRACK
 ○ CONE OF UNCERTAINTY
 AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ ≥ 64 KT (≥ 118 KMPH)

IMPACT OVER THE SEA

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥ 118)	Phenomenal	Total suspension of fishing operations

WEATHER WARNING GRAPHICS





Fishermen warning graphics

Day 1: 17.11.2023/11:30AM to 18.11.2023/05:30AM



Day 2: 18.11.2023/05:30AM to 19.11.2023/05:30AM



Day 3: 19.11.2023/05:30AM to 20.11.2023/05:30AM



Day 4: 20.11.2023/05:30AM to 21.11.2023/05:30AM



Day 5: 21.11.2023/05:30AM to 22.11.2023/05:30AM



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 with speed 50-60 kmph gusting to 70 kmph

CS with Gale wind speed 60-90 kmph gusting to 110 kmph

Fishermen are advised not to venture into the marked areas.