

India Meteorological Department (Ministry of Earth Sciences)

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Sub: Cyclonic Storm "MICHAUNG" (pronounced as MIGJAUM) weakened into a Deep Depression over Central Coastal Andhra Pradesh

The Cyclonic Storm "MICHAUNG" (pronounced as MIGJAUM) over central coastal Andhra Pradesh moved nearly northwards with a speed of 15 kmph during past 06 hours and lay centered at 2330 hours IST of yesterday, the 5th December, 2023 over Central Coastal Andhra Pradesh near latitude 16.8°N and longitude 80.4°E, about 100 km north-northwest of Bapatla, 150 km north-northeast of Ongole and 50 km southeast of Khammam.

The system is likely to continue to move nearly northwards and weaken further into a Depression during next 06 hours and further into a Well marked Low Pressure Area during subsequent 06 hours.

Track and Intensity Forecasts:

Date/Time (IST)	Position (Lat. ⁰N/ long. ⁰E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
05.12.23/2330	16.8/80.4	50-60 kmph gusting to 70 kmph	Deep Depression
06.12.23/0530	17.6/80.4	35-45 kmph gusting to 55 kmph	Depression
06.12.23/1130	18.6/80.2	20-30 kmph gusting to 40 kmph	Well Marked Low

Warnings:

(i) Rainfall Warning (graphics enclosed):

- Coastal Andhra Pradesh: Light to moderate rainfall at many places with heavy to very heavy rainfall at isolated places likely over north coastal Andhra Pradesh on 6th December.
- **Telangana:** Light to moderate rainfall at most places with isolated **heavy rainfall likely** on 6th December.
- Odisha: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall is likely over south Coastal and adjoining south Interior Odisha on 6th December.
- Chhattisgarh: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall is likely over Chhattisgarh on 6th December.
- **Vidarbha:** Light to moderate rainfall at many places with isolated **heavy rainfall** is likely over east Vidarbha on 6th December.

(ii) Wind warning:

• Westcentral Bay of Bengal and along & off north Andhra Pradesh Coast:

Gale wind speed reaching 50-60 kmph gusting to 70 kmph prevailing and would continue during next 6 hours and gradually decreases thereafter becoming 40-50 kmph gusting to 60 kmph over the region.

Along & off south Andhra Pradesh Coast:

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing, it is likely to continue during next 06 hours. It would gradually decrease thereafter.

• Northwest Bay of Bengal and along & off Odisha Coast:

Squally wind speed reaching **40-50 kmph gusting to 60 kmph** is prevailing and likely to continue during next 12 hours. It would gradually decrease thereafter.

(iii) Sea Condition:

• Westcentral Bay of Bengal and along & off north Andhra Pradesh Coast:

Very rough to rough sea condition prevailing over the region is likely to continue next 06 hours. It is likely to improve thereafter gradually becoming rough by 6th morning for subsequent 12 hours.

• Along & off south Andhra Pradesh Coast:

Rough to Very Rough sea condition is likely till 6th December morning and further improve thereafter.

Northwest Bay of Bengal and along & off Odisha Coast:

Rough to Very Rough to sea condition is likely till 6th December morning.

(v) Fishermen Warning (graphics attached):

Fishermen are advised not to venture into:

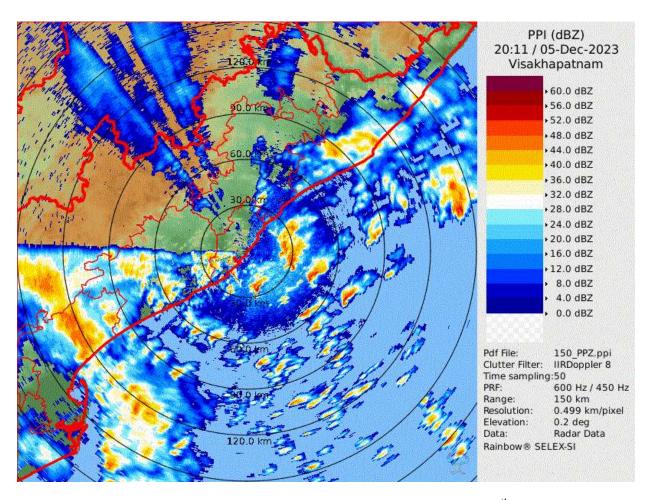
- Westcentral Bay of Bengal and along & off Andhra Pradesh Coast till 6th December evening.
- Northwest Bay of Bengal and along & off Odisha coast till 6th December morning.

The system is under continuous surveillance and the next message will be issued at 0830 hours IST of tomorrow, the 06th December, 2023.

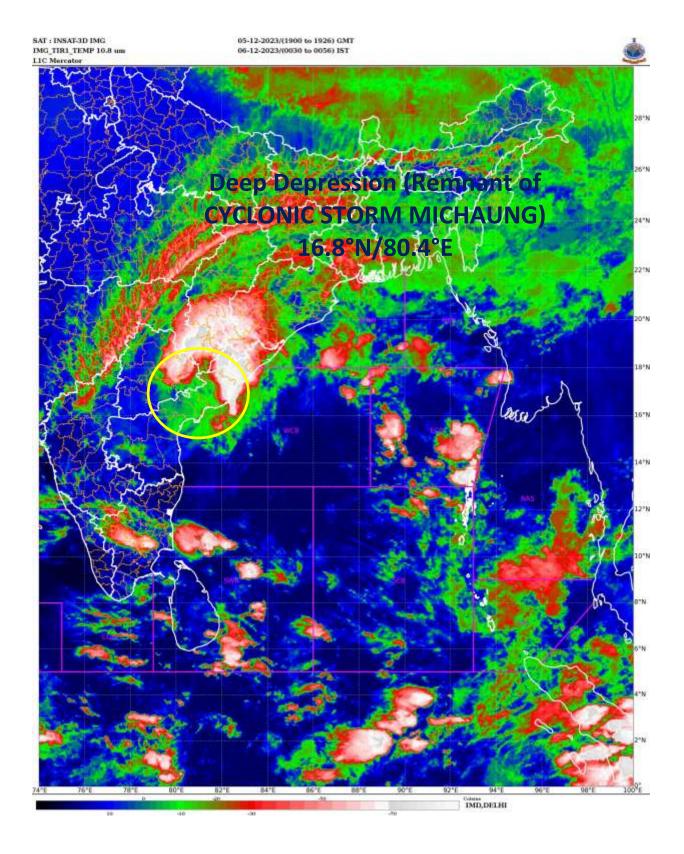
(Krishna Mishra)

Scientist C, Cyclone Warning Division, New Delhi

Copy to: ACWC Chennai/ ACWC Kolkata/ CWC Bhubaneswar/ CWC Vishakhapatnam/ MC Amravati



Maximum Reflectivity from DWR Vishakhapatnam based on 2011 UTC of 05th December 2023



INSAT 3D Image based on 1900 UTC of 05th Dec 2023



OBSERVED & FORECAST TRACK AND MAXIMUM SUSTAINED WIND WITH CONE OF UNCERTAINITY IN ASSOCIATION WITH DEEP DEPRESSION (REMNANT OF SCS "MICHAUNG") OVER CENTRAL COASTAL ANDHRA PRADESH BASED ON 1800 UTC (2330 IST) OF 5TH DECEMBER 2023.



DATE/TIME IN UTC IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

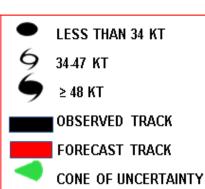
DD: DEEP DEPRESSION (28-33 KT) CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

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

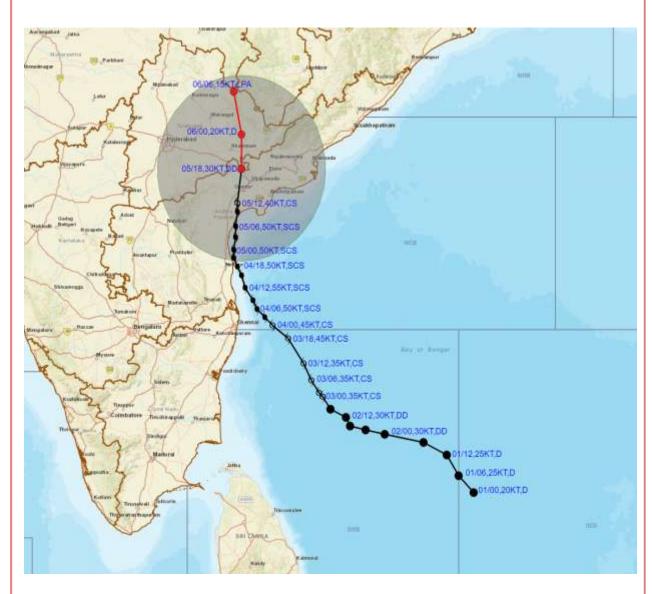
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM € 120 KT)





OBSERVED & FORECAST TRACK AND MAXIMUM SUSTAINED WIND WITH QUADRANT WIND IN ASSOCIATION WITH DEEP DEPRESSION (REMNANT OF SEVERE CYCLONIC STORM "MICHAUNG") OVER CENTRAL COASTAL ANDHRA PRADESH BASED ON 1800 UTC (2330 IST) OF 5TH DECEMBER 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)

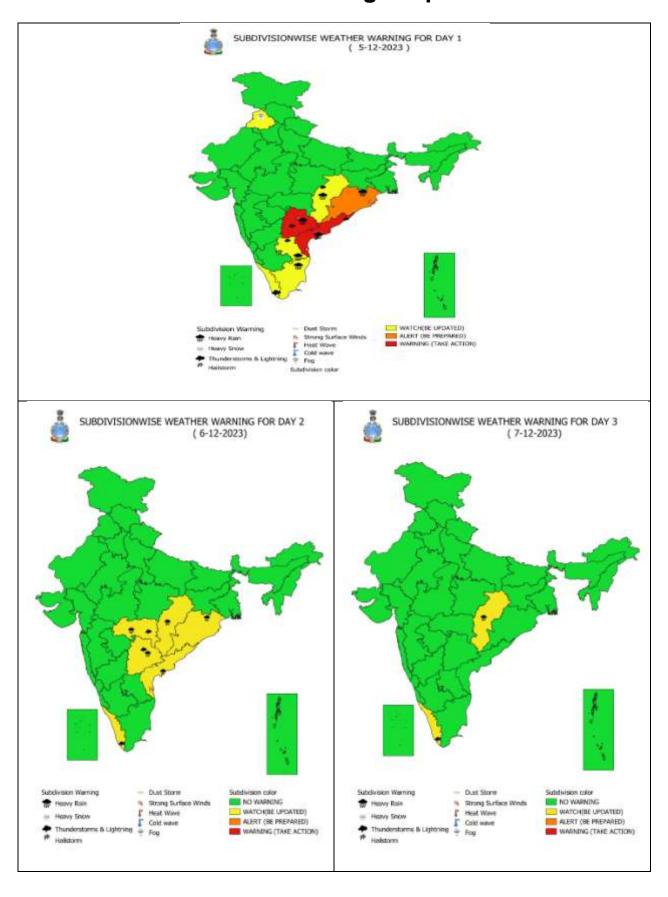
SCS: SEVERE CYCLONIC STORM (48-63KT)

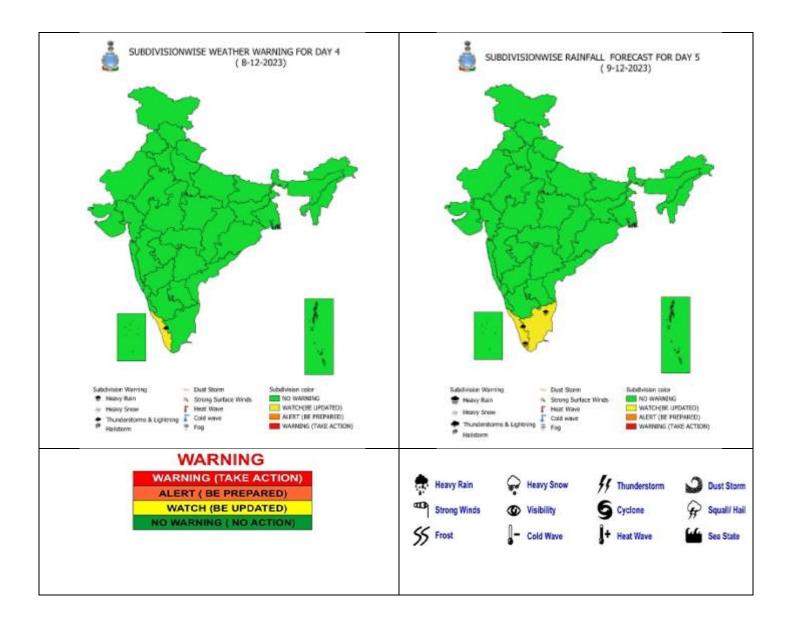
VSCS: VERY SEVERE CYCLONIC STORM (64.89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM № 120 KT)

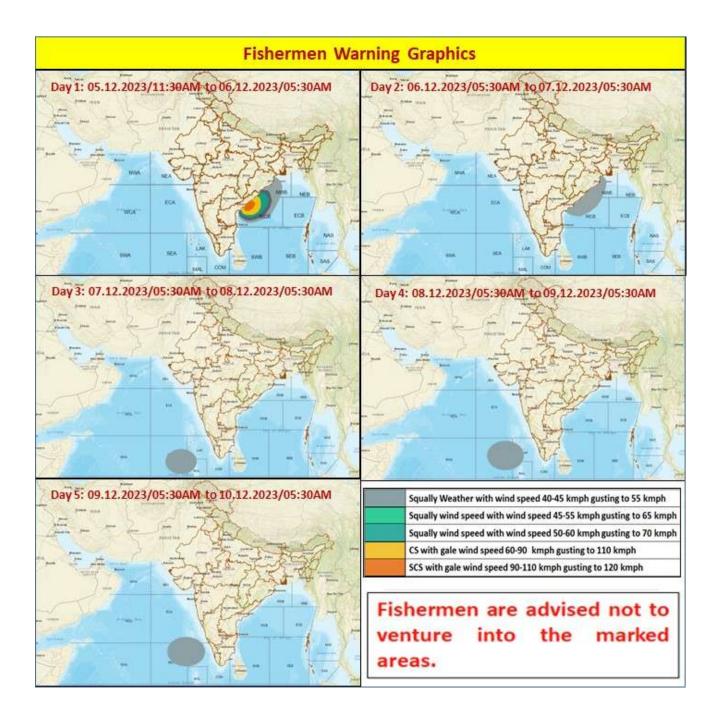
 LESS THAN 34 KT
6 34.47 KT
• ≥ 48 KT
OBSERVED TRACK
FORECAST TRACK
CONE OF UNCERTAINTY
AREA OF MAXIMUM SUSTAINED WIND SPEED:
28-33 KT (52-61 KMPH)
34-49 KT (62-91 KMPH)
50-63 KT (92-117 KMPH)
≥ 64 KT (≥118 KMPH)

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







Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 06-12-2023 :

High flash flood risk likely over few watersheds & neighbourhoods of following coastal districts of Andhra Pradesh

Guntur, Prakasam and Krishna (>50%) districts of Andhra Pradesh;

Moderate flash flood risk likely over few watersheds & neighbourhoods of following coastal districts (>20% - <50%) of Andhra Pradesh and Telangana during next 24 hours.

West Godavari, Guntur, Kurnool, Prakasam and Nellore (>20% - <50%) districts of **Andhra Pradesh**;

Nalgonda, Suryapet, Khammam, Bharadri kothagudem and Mahabubabad (>20% - <50%) districts of Telangana.

Surface runoff/ Inundation may occur at some fully saturated watersheds & low-lying areas over AoC as depicted in map due to Severe Cyclonic Storm 'Michaung' during next 24 hours.

