



REGIONAL SPECIALISED METEOROLOGICAL CENTRE-TROPICAL CYCLONES, NEW DELHI

TROPICAL CYCLONE ADVISORY NO. 23

FROM: RSMC TROPICAL CYCLONES NEW DELHI DATED 05.12.2023

FROM: RSMC -TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, NAYPYI TAW (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)

OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)

YEMEN METEOROLOGICAL SERVICES, REPUBLIC OF YEMEN (THROUGH RTH JEDDAH)

NATIONAL CENTRE FOR METEOROLOGY, UAE (THROUGH RTH JEDDAH)

PRESIDENCY OF METEOROLOGY AND ENVIRONMENT, SAUDI ARABIA (THROUGH RTH JEDDAH)

IRAN METEOROLOGICAL ORGANISATION, (THROUGH RTH JEDDAH)
QATAR METEOROLOGICAL DEPARTMENT (THROUGH RTH JEDDAH)

TROPICAL CYCLONE ADVISORY NO. 23 FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 1945 UTC OF 05.12.2023 BASED ON 1800 UTC OF 05.12.2023

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 1800 UTC OF 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 (43220), 150 KM NORTH-NORTHEAST OF ONGOLE (43221) AND 50 KM SOUTHEAST OF KHAMMAM (43137).

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 (UTC)	POSITION (LAT. ⁰ N/ LONG. ⁰ E)	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)	CATEGORY OF CYCLONIC DISTURBANCE
05.12.23/1800	16.8/80.4	50-60 KMPH GUSTING TO 70 KMPH	DEEP DEPRESSION
06.12.23/0000	17.6/80.4	35-45 KMPH GUSTING TO 55 KMPH	DEPRESSION
06.12.23/0600	18.6/80.2	20-30 KMPH GUSTING TO 40 KMPH	WELL MARKED LOW

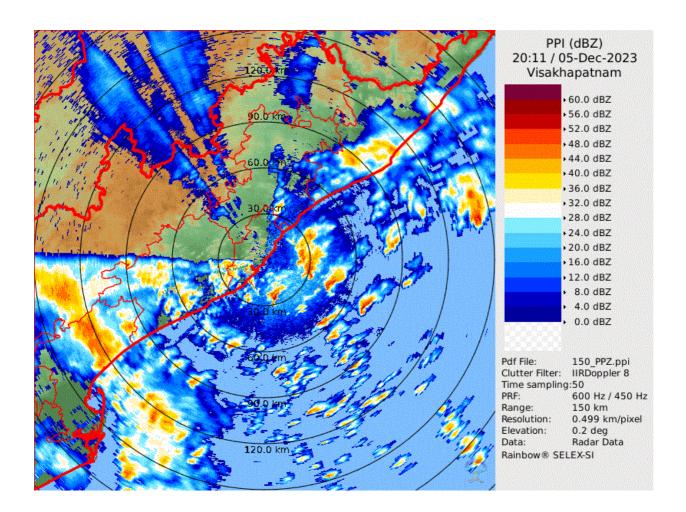
INSAT-3D IMAGERY AT 1800 UTC OF 5TH DECEMBER, INDICATES CENTER IS POORLY DEFINED AND ASSOCIATED WITH THE SYSTEM SCATTERED TO BROKEN LOW/MEDIUM CLOUDS WITH EMBEDED INTENSE TO VERY INTENSE CONVECTION LAY OVER NORTH COASTAL ANDHRA PRADESH (MINIMUM CLOUD TOP TEMPERATURE IS MINUS 80 DEGREE CELSIUS), SOUTH EAST TELANGANA, SOUTH CHHATTISGARH, SOUTHWEST ORISSA PRADESH (MINIMUM CLOUD TOP TEMPERATURE IS MINUS 85 DEGREE CELSIUS). MODERATE CONVECTION LAY OVER NORTH TELANGANA, VIDARBHA, EAST MADHRA PRADESH, NORTH CHHATTISGARH AND REMAINING PARTS OF ORISSA.

ASSOCIATED MAXIMUM SUSTAINED WIND SPEED IS 30 KNOTS GUSTING TO 40 KNOTS. IT IS LIKELY TO DECRESSE AND BECOME 20 KNOTS GUSTING TO 30 KNOTS DURING NEXT 06 HOURS. ESTIMATED CENTRAL PRESSURE IS 1001 HPA. SEA CONDITION IS ROUGH TO VERY ROUGH OVER WESTCENTRAL BAY OF BENGAL AND ALONG & OFF NORTH ANDHRA PRADESH COAST.

THE CURRENT MAXIMUM SUSTAINED WIND SPEED IS 50-60 KMPH GUSTING TO 70 KMPH. AS THE SYSTEM IS COMPLETELY OVER THE LAND, DUE TO THE LAND INTERACTION THE SYSTEM WILL WEAKEN FURTHER INTO DEPRESSION BY 0000 UTC OF THE 06TH DECEMBER, 2023.

(ARULALAN T) RSMC NEW DELHI

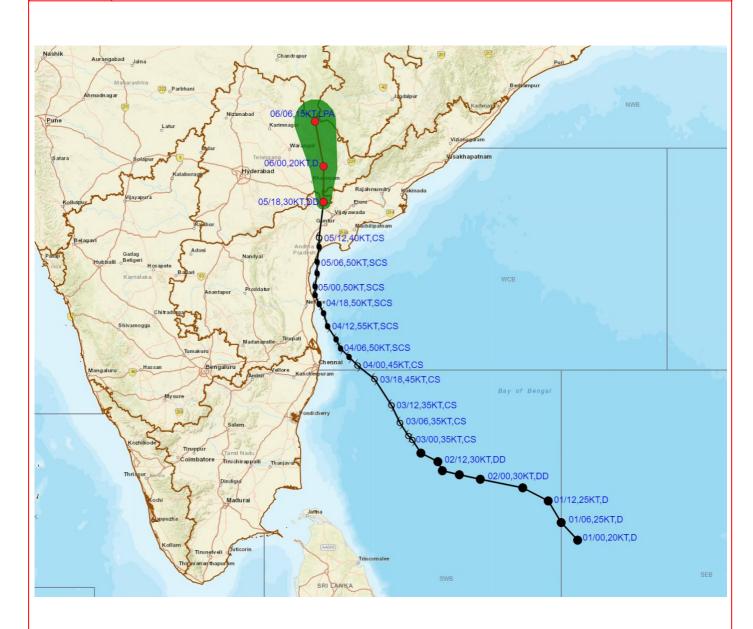
INSAT 3D IMAGE BASED ON 1900 UTC OF 05TH DECEMBER 2023



MAXIMUM REFLECTIVITY FROM DWR VISHAKHAPATNAM BASED ON 2011 UTC OF 05^{TH} DECEMBER 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 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)

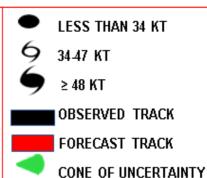
DD: DEEP DEPRESSION (28-33 KT) CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

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

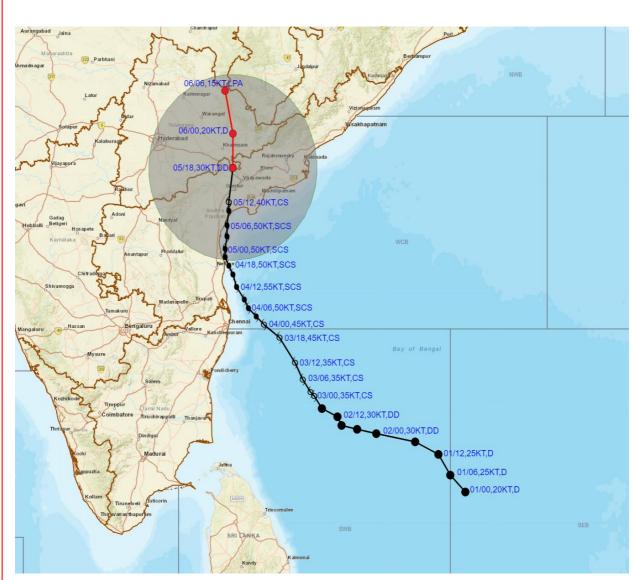
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

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 OF 5TH DECEMBER 2023.



DATE/TIME IN UTC IST=UTC + 0530

L: LOW PRESSURE AREA

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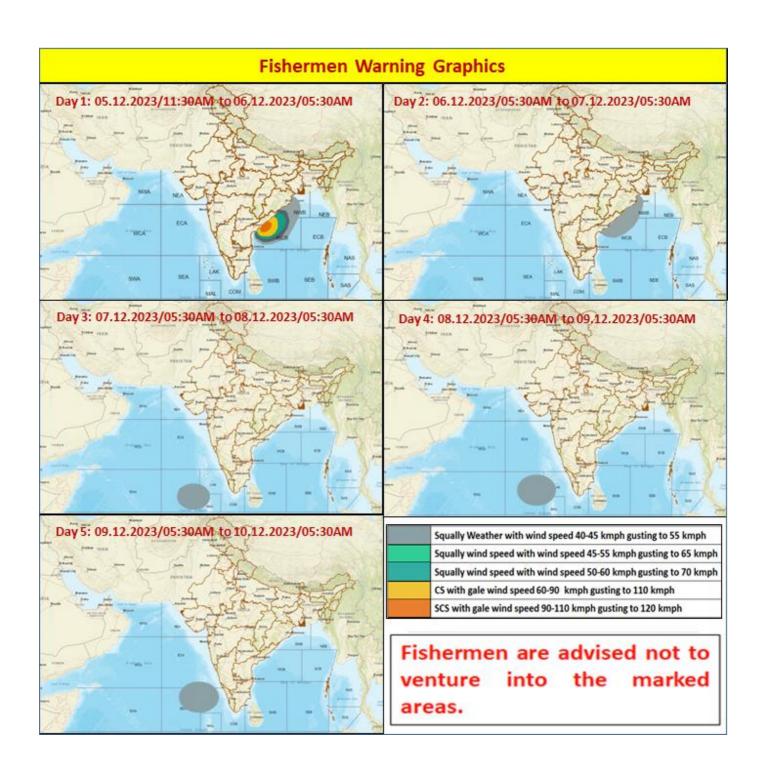
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT) ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM € 120 KT)

•	LESS THAN 34 KT
6	34-47 KT
6	≥ 48 KT
	OBSERVED TRACK
	FORECAST TRACK
	CONE OF UNCERTAINTY
area c	F 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		



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

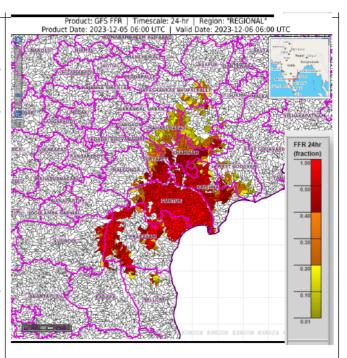
Guntur, Prakasam and Krishna (>50%) districts of Andhra Pradesh:

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.





Hazard Map with Severe Cyclonic Storm MICHAUNG over Westcentral & adjoining off south Andhra Pradesh coast

