



**India Meteorological Department
(Ministry of Earth Sciences)**

HOURLY UPDATE ON SEVERE CYCLONIC STORM “MONTHA”

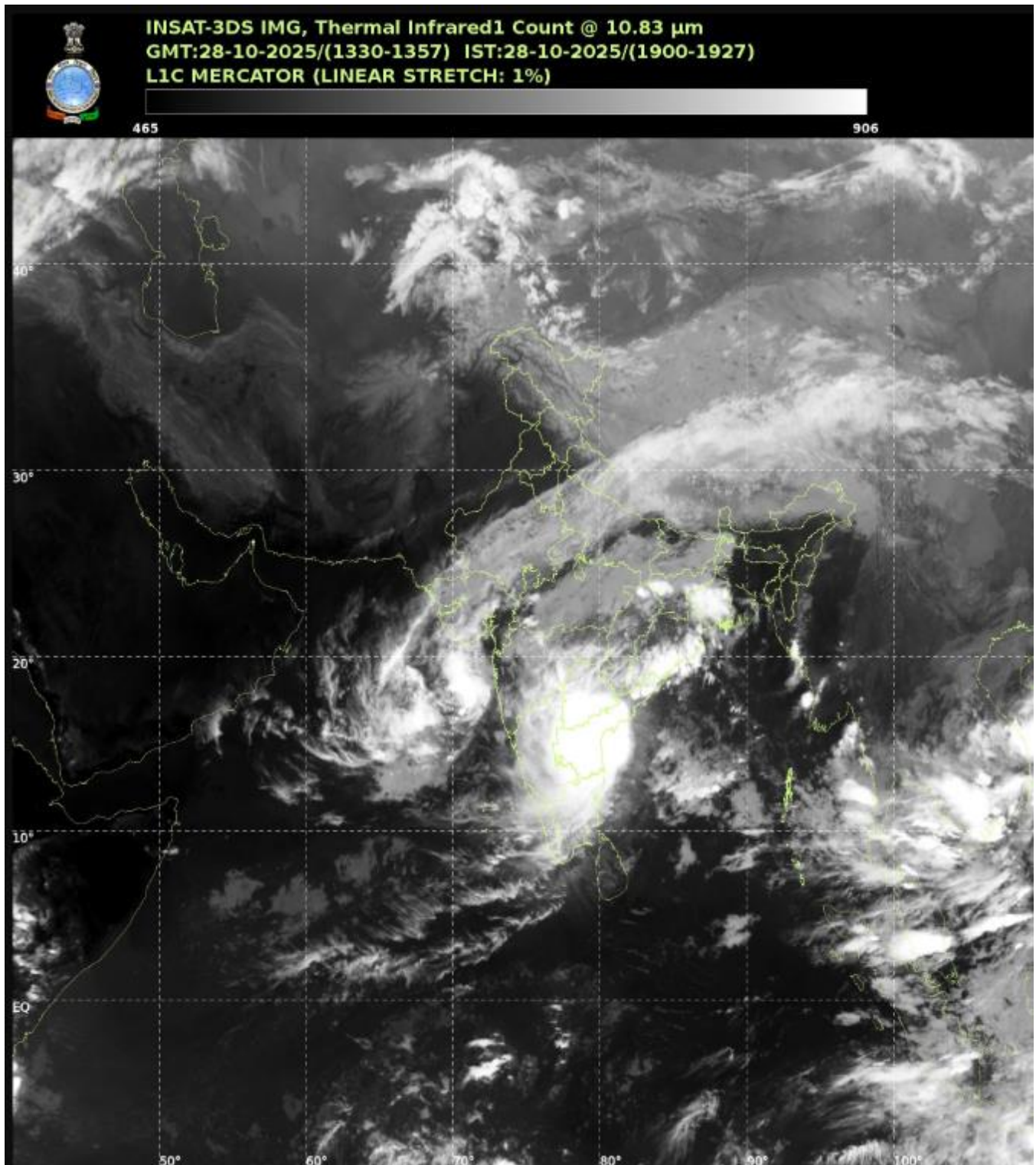
BULLETIN NO. 8

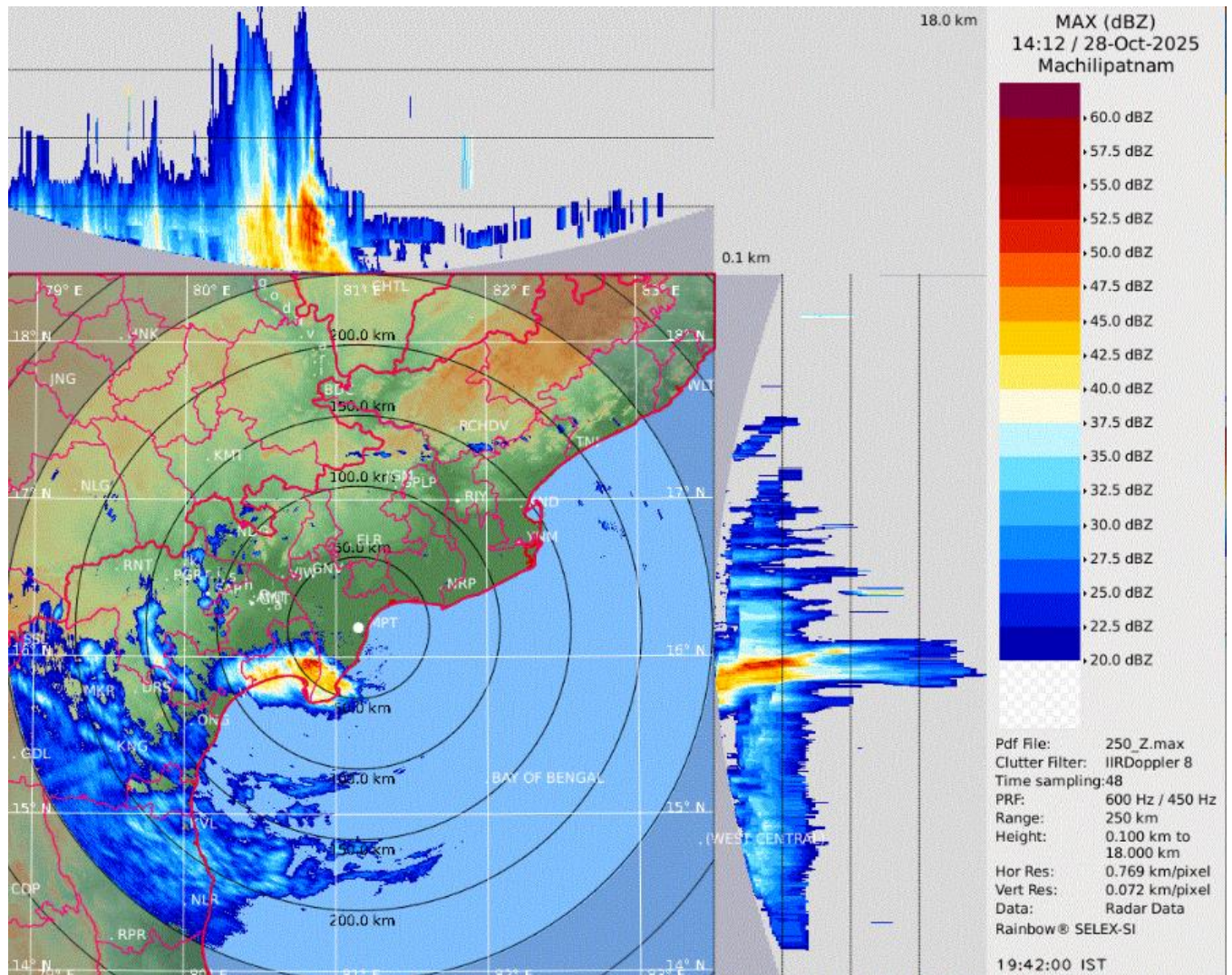
DATE: 28-10-2025

TIME OF ISSUE **2000 HRS IST**

DATE/TIME (IST) OF OBSERVATION	BASED ON 28-10-2025 (1830 HRS IST)
LOCATION LATITUDE/LONGITUDE	The Severe Cyclonic Storm “Montha” [Pronunciation: Mon-Tha] over westcentral Bay of Bengal moved north-northwestwards with a speed of 17 kmph during past six hours and lay centered at 1830 hrs IST of today, the 28th October 2025, over the same region, near latitude 16.05°N & longitude 82.25°E, about 110 km east of Machilipatnam (Andhra Pradesh), 100 km south of Kakinada (Andhra Pradesh), 220 km south-southwest of Visakhapatnam (Andhra Pradesh) and 460 km southwest of Gopalpur (Odisha). Latest observations indicates that the landfall process continues.
CURRENT INTENSITY WIND SPEED	Severe Cyclonic Storm 90-100 kmph gusting to 110 kmph
FORECAST	It will continue to move north-northwestwards and cross Andhra Pradesh coast between Machilipatnam and Kalingapatnam around Kakinada during next 3-4 hours as a severe cyclonic storm with a maximum sustained wind speed of 90-100 kmph gusting to 110 kmph. The landfall process will continue for next 3-4 hours.
OBSERVED WIND SPEED REPORTED	Machilipatnam: 77 kmph Vishakapatnam: 43 kmph Kavali: 52 kmph Bapatla: 56 kmph Kakinada: 40 kmph Rajjahmundry Airport: 50 kmph Nellur: 40 kmph
CUMULATIVE RAINFALL (mm) SINCE 0830 IST OF TODAY	Ulavapadu: 167 Kavali: 160 Dagadarthi: 147 Nellore: 98 Prakasham-CS Puram: 74 Chirala: 50 mm

SATELLITE IMAGERY

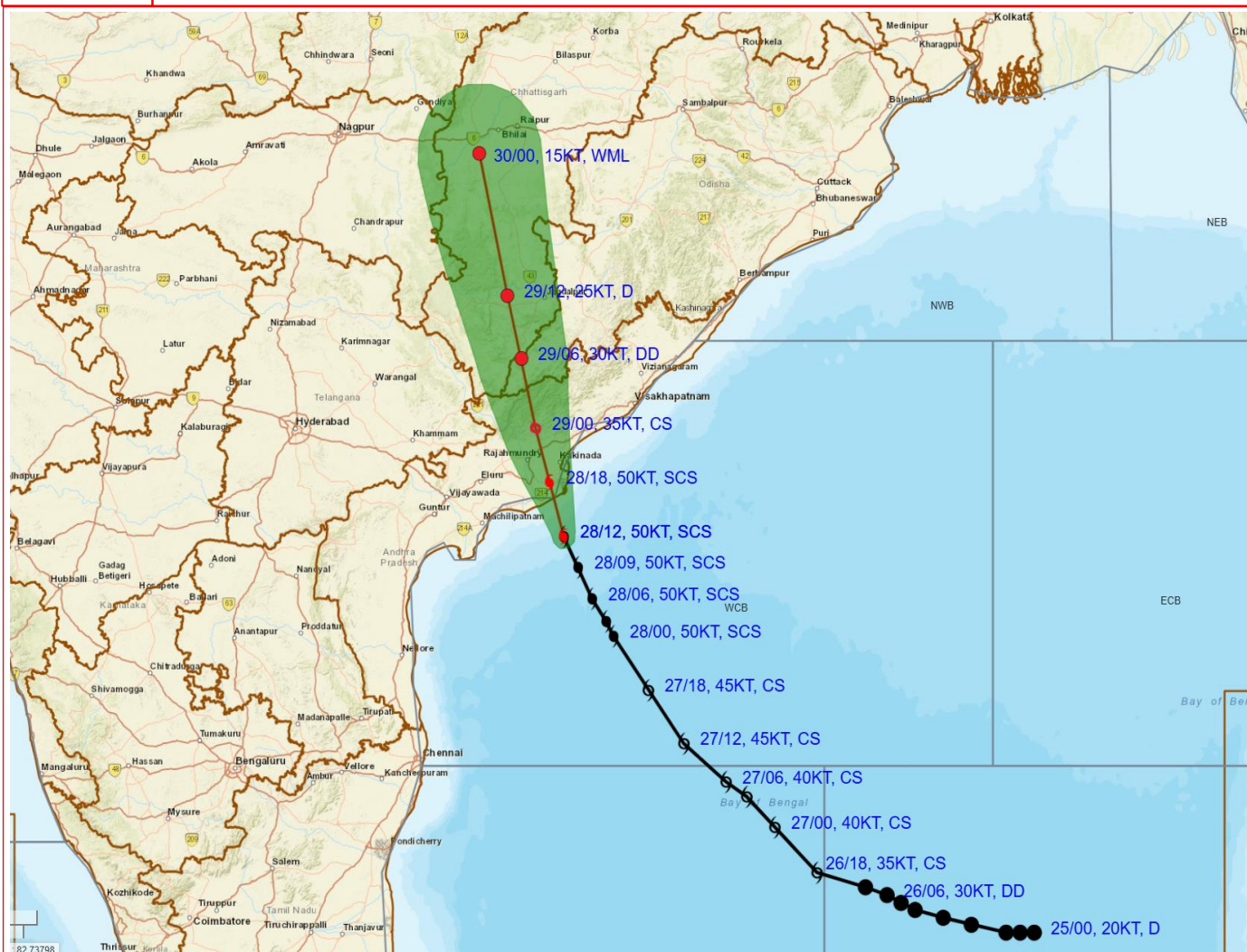




Max Z image of DWR Machilipatnam based on 1412 UTC (1942 IST) of 28th October 2025



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF SEVERE CYCLONIC STORM "MONTHA" OVER WESTCENTRAL BAY OF BENGAL OFF ANDHRA PRADESH- YANAM COASTS BASED ON 1200 UTC (1730 Hrs. IST) OF 28TH



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



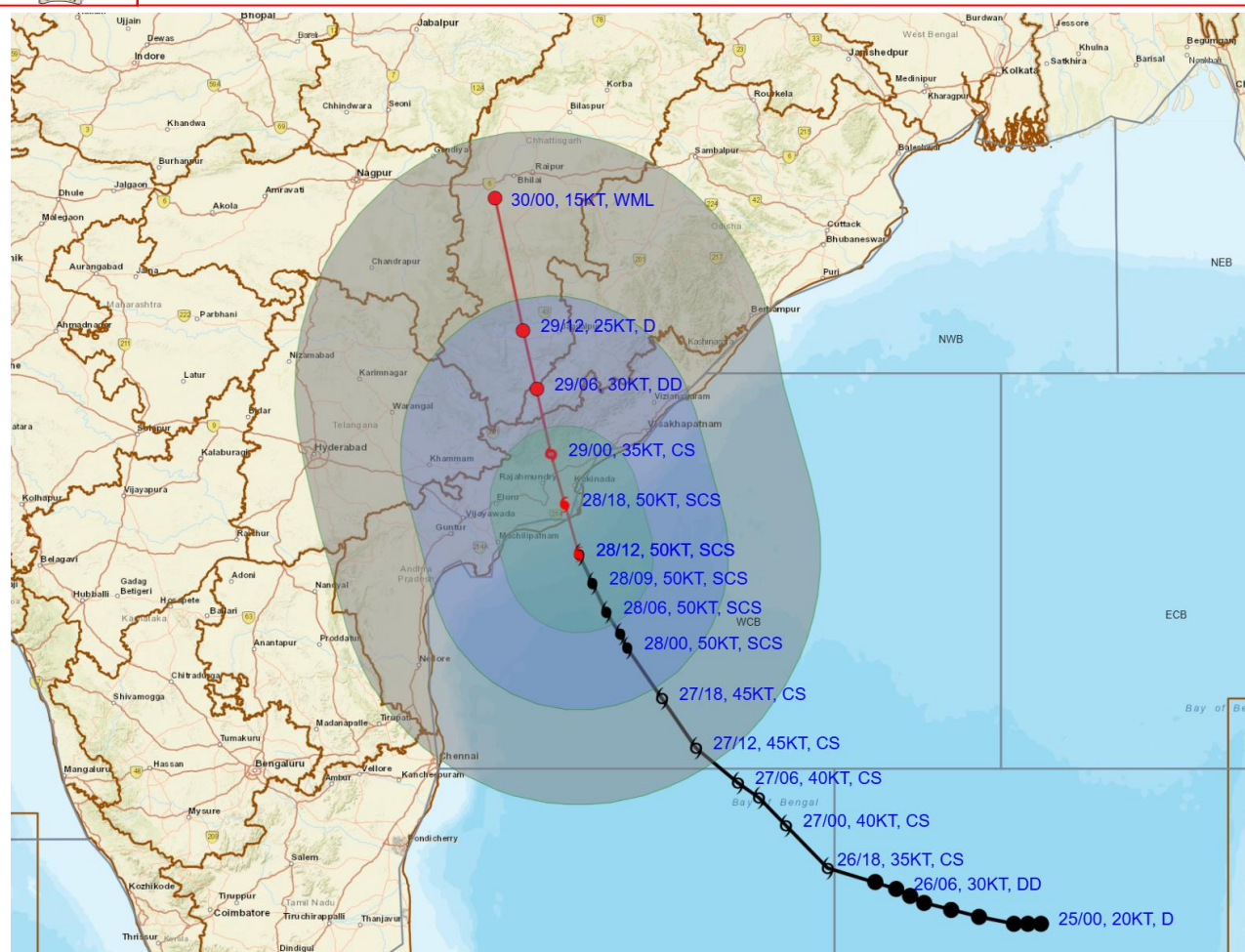
FORECAST TRACK



CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF SEVERE CYCLONIC STORM “MONTHA” OVER WESTCENTRAL BAY OF BENGAL OFF ANDHRA PRADESH-YANAM COASTS BASED ON 1200 UTC (1730 Hrs. IST) OF 28TH OCTOBER 2025.



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SuCS: SUPER CYCLONIC STORM ≥ 120 KT)

● 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