



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

HOURLY UPDATE ON SEVERE CYCLONIC STORM “MONTHA”

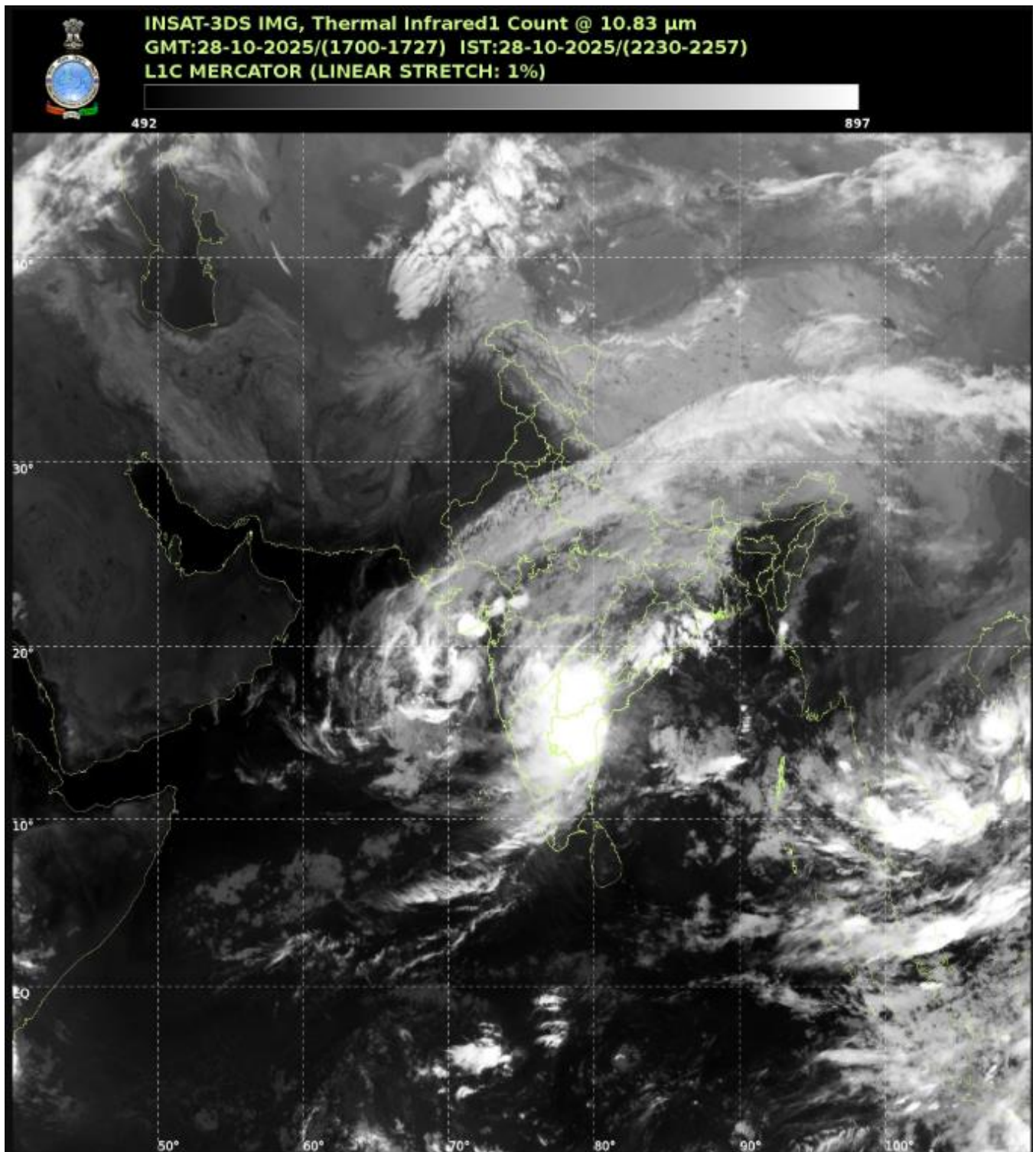
BULLETIN NO. 12

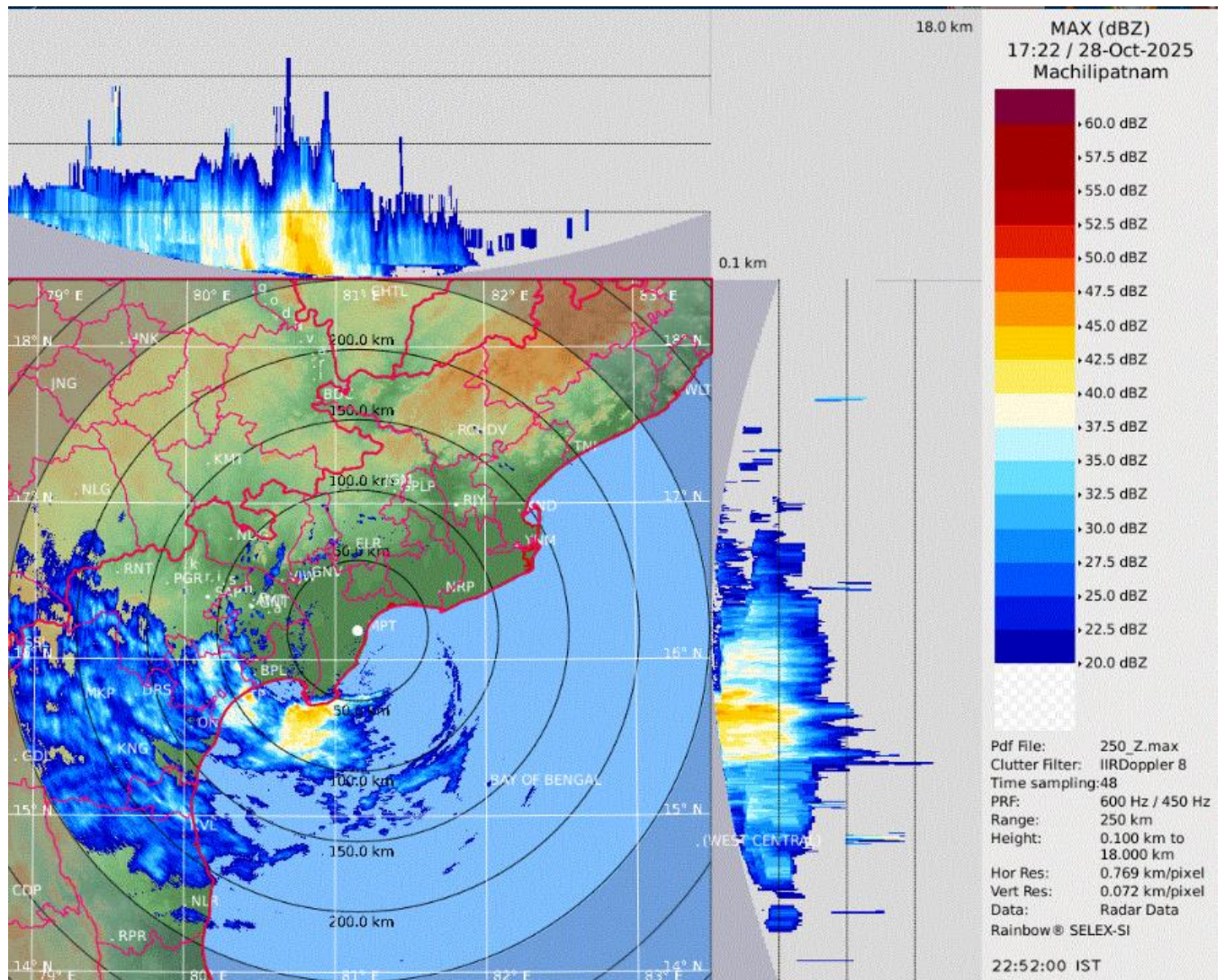
DATE: 28-10-2025

TIME OF ISSUE **2315 HRS IST**

DATE/TIME (IST) OF OBSERVATION	BASED ON 28-10-2025 (2230 HRS IST)
LOCATION LATITUDE/LONGITUDE	The Severe Cyclonic Storm “Montha” [Pronunciation: Mon-Tha] over westcentral Bay of Bengal moved northwestwards with a speed of 15 kmph during past six hours and lay centered at 2230 hrs IST of today, the 28th October 2025, over westcentral Bay of Bengal, close to Andhra Pradesh & Yanam coasts near latitude 16.25°N & longitude 81.7°E, about 50 km east of Machilipatnam (Andhra Pradesh), 100 km southwest of Kakinada (Andhra Pradesh), 240 km southwest of Visakhapatnam (Andhra Pradesh) and 480 km southwest of Gopalpur (Odisha). The landfall process continues.
CURRENT INTENSITY WIND SPEED	Severe Cyclonic Storm 90-100 kmph gusting to 110 kmph
FORECAST	It is likely to move northwestwards and cross Andhra Pradesh & Yanam coast between Machilipatnam and Kalingapatnam, to the south of Kakinada during next 2 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 1-2 hours.
OBSERVED WIND SPEED REPORTED	Machilipatnam: 64 kmph Kakinada: 34 kmph Rajahmundry Airport: 37 kmph Kavali: 40 kmph Bapatla: 54 kmph Visakhapatnam: 33 kmph
CUMULATIVE RAINFALL (mm) SINCE 0830 IST OF TODAY	Ulavapadu: 170 Kavali: 200 Dagadarthi: 177 Nellore: 110 Prakasham-CS Puram: 94 Chirala: 102 mm

SATELLITE IMAGERY

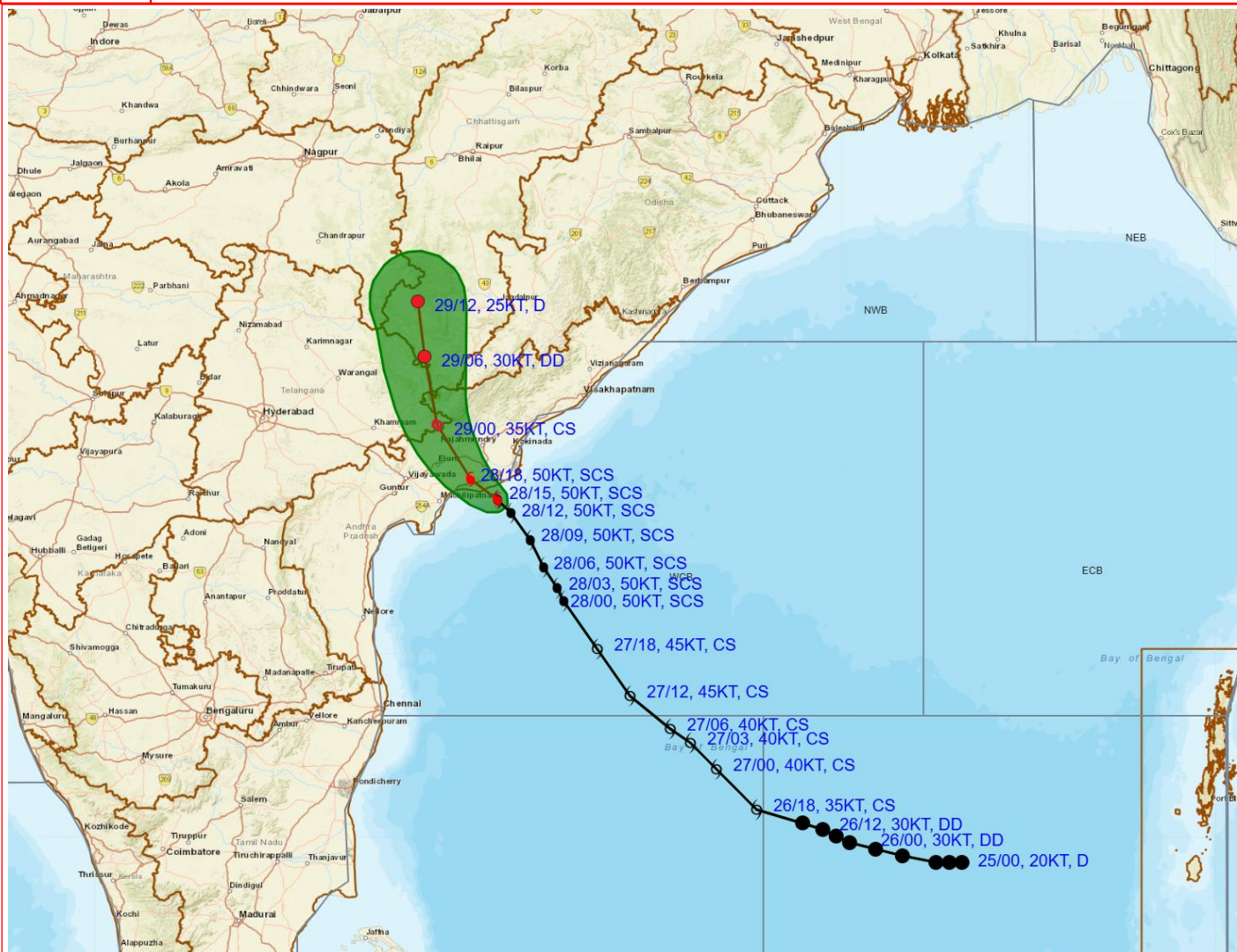




Max Z image of DWR Machilipatnam based on 1722 UTC (2252 IST) of 28th October 2025



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF SEVERE CYCLONIC STORM "MONTHA" OVER WESTCENTRAL BAY OF BENGAL CLOSE TO ANDHRA PRADESH-YANAM COASTS BASED ON 1500 UTC (2030 Hrs. IST) OF 28TH OCTOBER 2025.

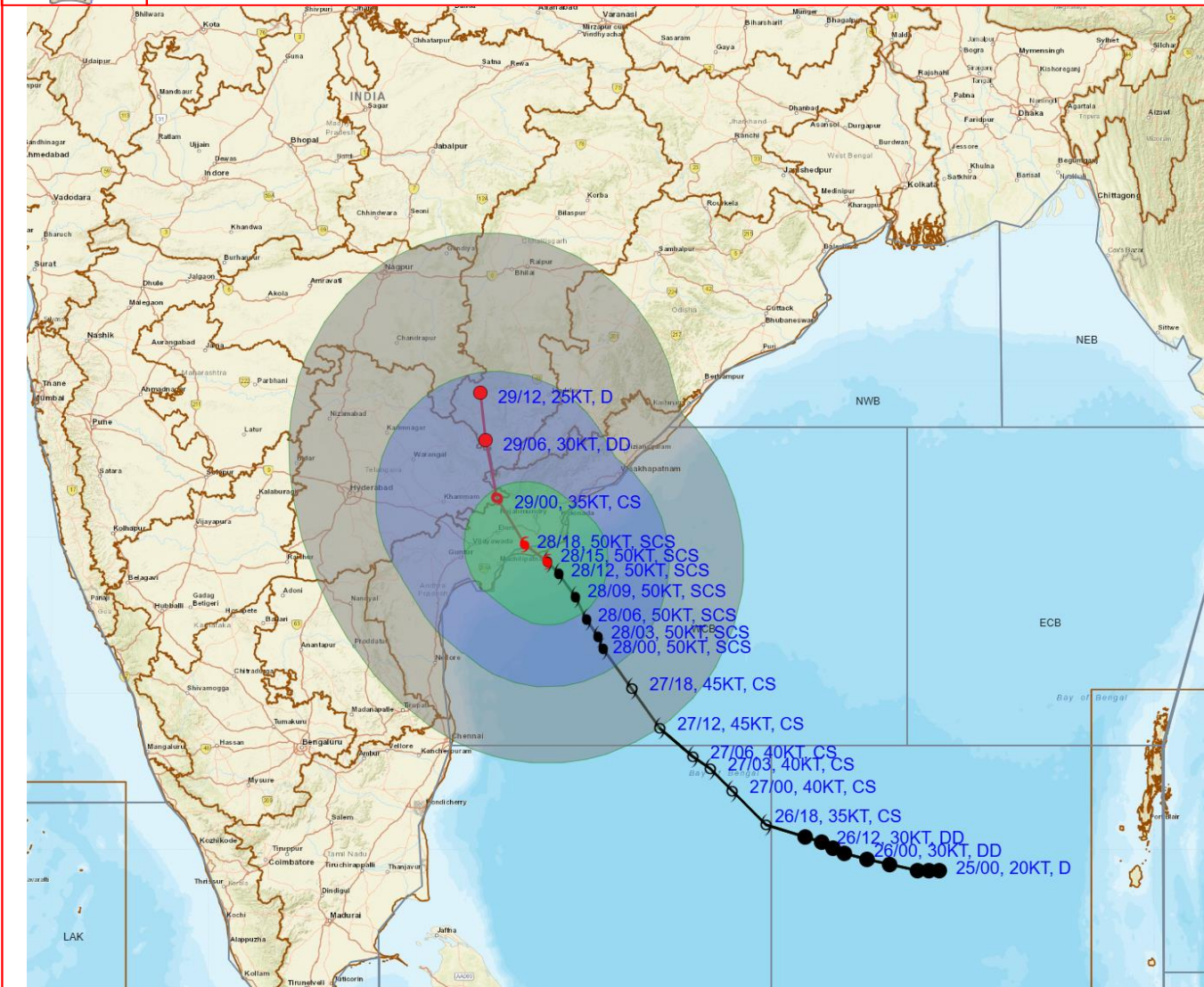


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (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 CLOSE TO ANDHRA PRADESH-YANAM COASTS BASED ON 1500 UTC (2030 Hrs. IST) OF 28TH OCTOBER 2025.



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— 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