



## TROPICAL CYCLONE BULLETIN NR. 16

### Super Typhoon NANDO (RAGASA)

Issued at 5:00 PM, 21 September 2025

Valid for broadcast until the next bulletin at 8:00 PM today.

#### NANDO MAINTAINS ITS STRENGTH AS IT MOVES WEST NORTHWESTWARD OVER THE PHILIPPINE SEA.

##### Location of Center (4:00 PM)

The center of the eye of Super Typhoon NANDO was estimated based on all available data at **450 km East of Aparri, Cagayan (18.5°N, 125.9°E)**.

##### Intensity

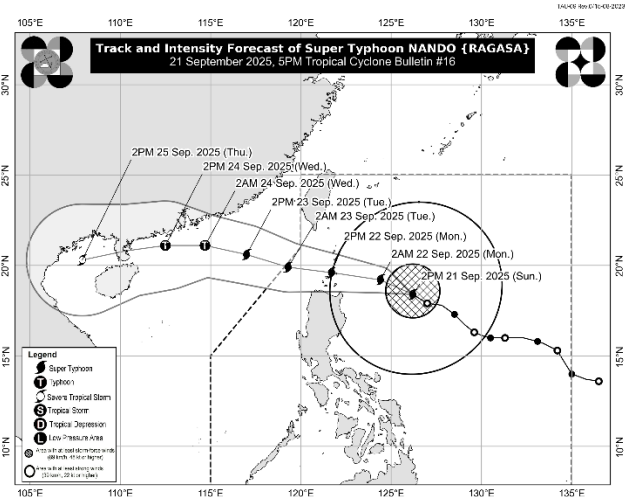
Maximum sustained winds of **185 km/h** near the center, gustiness of up to **230 km/h**, and central pressure of **925 hPa**

##### Present Movement

**West northwestward at 15 km/h**

##### Extent of Tropical Cyclone Winds

**Strong to typhoon-force winds** extend outwards up to **580 km** from the center



#### TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
<b>12-Hour Forecast</b> 2:00 AM 22 September 2025	19.2	124.4	310 km East of Calayan, Cagayan	195	STY	WNW 15
<b>24-Hour Forecast</b> 2:00 PM 22 September 2025	19.6	121.7	Over the coastal waters of Calayan, Cagayan	205	STY	W 25
<b>36-Hour Forecast</b> 2:00 AM 23 September 2025	19.9	119.3	240 km West Northwest of Calayan, Cagayan	205	STY	W 20
<b>48-Hour Forecast</b> 2:00 PM 23 September 2025	20.6	117.0	520 km West of Basco, Batanes (OUTSIDE PAR)	185	STY	WNW 20
<b>60-Hour Forecast</b> 2:00 AM 24 September 2025	21.1	114.7	745 km West of Itbayat, Batanes (OUTSIDE PAR)	175	TY	WNW 20
<b>72-Hour Forecast</b> 2:00 PM 24 September 2025	21.1	112.5	970 km West of Extreme Northern Luzon (OUTSIDE PAR)	155	TY	W 20
<b>96-Hour Forecast</b> 2:00 PM 25 September 2025	20.3	107.9	1,470 km West of Extreme Northern Luzon (OUTSIDE PAR)	110	STS	W 20



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<b>3</b>  Wind threat: <b>Storm-force winds</b>	<b>The southern portion of Batanes</b> (Mahatao, Uyugan, Basco, Ivana, Sabtang), <b>Babuyan Islands</b> , and the northeastern portion of mainland <b>Cagayan</b> (Santa Ana)	-	-
	Warning lead time: <b>18 hours</b> Range of wind speeds: <b>89 to 117 km/h (Beaufort 10 to 11)</b> Potential impacts of winds: <b>Moderate to significant threat to life and property</b>		
<b>2</b>  Wind threat: <b>Gale-force winds</b>	<b>The rest of Batanes, the rest of mainland Cagayan, the northern and eastern portions of Isabela</b> (San Mariano, Ilagan City, Tumauini, Cabagan, Palanan, Divilacan, Maconacon, San Pablo, Santa Maria, Santo Tomas, Delfin Albano, Quezon, Quirino, Mallig, Roxas, Gamu), <b>Apayao, Abra, Kalinga, the eastern portion of Mountain Province</b> (Paracelis), <b>Ilocos Norte, and the northern portion of Ilocos Sur</b> (Cabugao, Sinait, San Juan, Magsingal, Santo Domingo, Bantay, San Ildefonso, San Vicente, Santa Catalina, City of Vigan, Caoayan, Santa, Nagbukel, Narvacan, Santa Maria)	-	-
	Warning lead time: <b>24 hours</b> Range of wind speeds: <b>62 to 88 km/h (Beaufort 8 to 9)</b> Potential impacts of winds: <b>Minor to moderate threat to life and property</b>		
<b>1</b>  Wind threat: <b>Strong winds</b>	<b>The rest of Isabela, Quirino, Nueva Vizcaya, the rest of Mountain Province, Ifugao, Benguet, the rest of Ilocos Sur, La Union, Pangasinan, the northern and central portions of Zambales</b> ( Santa Cruz, Candelaria, Masinloc, Iba, Palauig, Cabangan, Botolan), <b>Nueva Ecija, Tarlac, Aurora, the northern portion of Pampanga</b> ( Mabalacat City, Magalang, Arayat, Candaba, Angeles City, Porac, Mexico, Santa Ana, San Luis, City of San Fernando, Bacolor), <b>the northern portion of Bulacan</b> ( Doña Remedios Trinidad, San Ildefonso, San Miguel, San Rafael), and the northern portion of <b>Quezon</b> ( General Nakar) including <b>Polillo Islands</b> .	-	-
	Warning lead time: <b>36 hours</b> Range of wind speeds: <b>39 to 61 km/h (Beaufort 6 to 7)</b> Potential impacts of winds: <b>Minimal to minor threat to life and property</b>		



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#### OTHER HAZARDS AFFECTING LAND AREAS

##### Heavy Rainfall Outlook

Refer to Weather Advisory No. 8 issued at 5:00 PM today for the heavy rainfall outlook due to Tropical Cyclone NANDO and the Southwest Monsoon.

##### Severe Winds

The wind signals warn the public of the general wind threat over an area due to the tropical cyclone. Local winds may be slightly stronger/enhanced in coastal and upland/mountainous areas exposed to winds. Winds are less strong in areas sheltered from the prevailing wind direction.

- **Moderate to significant impacts** from storm-force winds are possible within any of the areas under Wind Signal No 3.
- **Minor to moderate impacts** from gale-force winds are possible within any of the areas under Wind Signal No. 2.
- **Minimal to minor impacts** from strong winds are possible within any of the areas under Wind Signal No. 1.

The highest Wind Signal that may be hoisted throughout the passage of NANDO is Wind Signal No. 5.

The Southwest Monsoon and the trough of NANDO will bring **strong to gale-force gusts** over the following areas (especially in coastal and upland areas exposed to winds):

- **Today (21 September):** Metro Manila, Central Luzon (areas not under wind signal), CALABARZON, Bicol Region, MIMAROPA, Visayas, Northern Mindanao, Zamboanga Peninsula, Caraga, Davao Occidental, and Davao Oriental.
- **Tomorrow (22 September):** Metro Manila, Central Luzon (areas not under wind signal), CALABARZON, Bicol Region, MIMAROPA, Visayas, Northern Mindanao, Caraga, Zamboanga Peninsula, BARMM, SOCCSKSARGEN, Davao Occidental, and Davao Oriental.
- **Tuesday (23 September):** Metro Manila, Central Luzon (areas not under wind signal), CALABARZON, Bicol Region, MIMAROPA, Visayas, Northern Mindanao, Zamboanga Peninsula, and Dinagat Islands.



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#### HAZARDS AFFECTING COASTAL WATERS

**A Gale Warning is in effect over the seaboard of Northern Luzon.** Refer to Gale Warning No. 3 issued at 5:00 PM today.

##### 24-Hour Sea Condition Outlook

**Up to very rough, high, or very high seas over the following coastal waters:**

- **Up to 14.0 m:** The seaboard of Batanes and Babuyan Islands.
- **Up to 10.0 m:** The northern seaboard of mainland Cagayan and Ilocos Norte.
- **Up to 7.0 m:** The remaining seaboard of mainland Cagayan and Ilocos Norte.
- **Up to 5.5 m:** The seaboard of Isabela and the northwestern seaboard of Ilocos Sur.
- **Up to 4.5 m:** The northeastern seaboard of Aurora; the remaining seaboard of Ilocos Sur.
- **Sea travel is risky for all types or tonnage of vessels. All mariners must remain in port or, if underway, seek shelter or safe harbor as soon as possible until winds and waves subside.**

**Up to rough seas over the following coastal waters:**

- **Up to 3.5 m:** The remaining seaboard of Aurora; the northern and eastern seaboard of Polillo Islands.
- **Up to 3.0 m:** The seaboard of La Union, Pangasinan, Bataan, Lubang Island, and Camarines Norte; the northern seaboard of Camarines Sur; the northern and eastern seaboard of Catanduanes
- **Mariners of small seacrafts, including all types of motorbancas, are advised not to venture out to sea under these conditions, especially if inexperienced of operating ill-equipped vessels**

**Up to moderate seas over the following coastal waters:**

- **Up to 2.5 m:** The eastern seaboard of Albay and Sorsogon; the remaining seaboard of Camarines Sur; the northern and eastern seaboard of Northern Samar and Eastern Samar; the seaboard of Kalayaan Islands, Calamian Islands, and northern Palawan.
- **Mariners of motorbancas and similarly-sized vessels are advised to take precautionary measures while venturing out to sea and, if possible, avoid navigation under these conditions.**

##### Coastal Inundation

There is a **high risk of life-threatening storm surge** with peak heights **exceeding 3.0 m** within the next 48 hours over the low-lying or exposed coastal localities of Batanes, Cagayan including Babuyan Islands, Ilocos Norte, and Ilocos Sur. Refer to **Storm Surge Warning No. 6 issued at 2:00 PM today** for the details.

#### TRACK AND INTENSITY OUTLOOK

- **NANDO will begin to turn west northwestward today, moving towards Extreme Northern Luzon. On the forecast track, the center of NANDO may pass close or may make landfall over Batanes or Babuyan Islands by tomorrow (22 September) afternoon or evening. It may exit the Philippine Area of Responsibility by Tuesday (23 September) early morning.**
- **NANDO is forecast to further intensify before it approaches Extreme Northern Luzon.**

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 8:00 PM today.

**DOST-PAGASA**

Page 4 of 4

Prepared by:  PCDM

Checked by:  CFP

*"tracking the sky...helping the country."*