



TROPICAL CYCLONE BULLETIN NR. 10
Super Typhoon PEPITO (MAN-YI)

Issued at 2:00 PM, 16 November 2024

Valid for broadcast until the next bulletin at 5:00 PM today.

POTENTIALLY CATASTROPHIC AND LIFE-THREATENING SITUATION LOOMS FOR NORTHEASTERN BICOL REGION AS SUPER TYPHOON “PEPITO” FURTHER INTENSIFIES

Location of Center (1:00 PM)

The center of the eye of Super Typhoon PEPITO was estimated based on all available data including from Guiuan, Laoang, Masbate, and Daet Weather Radars at **200 km East of Juban, Sorsogon or 180 km East Southeast of Virac, Catanduanes (13.1 °N, 125.8°E).**

Intensity

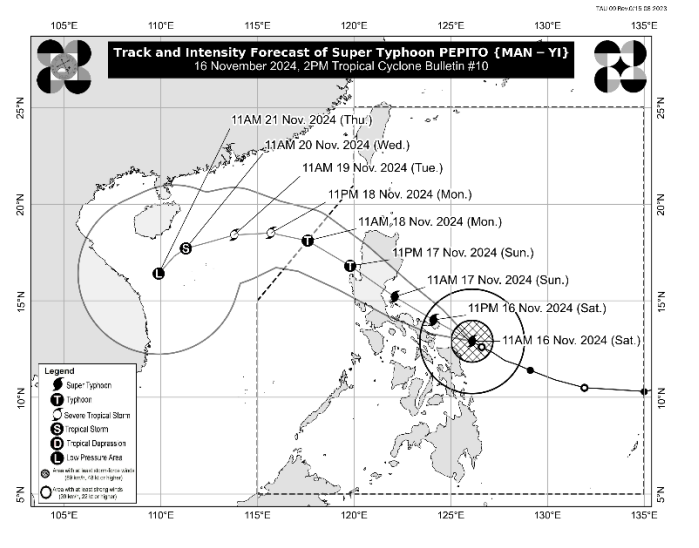
Maximum sustained winds of **195 km/h** near the center, gustiness of up to **240 km/h**, and central pressure of **920 hPa**

Present Movement

West northwestward at 20 km/h

Extent of Tropical Cyclone Winds

Strong to typhoon-force winds extend outwards up to 300 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.	
12-Hour Forecast 11:00 PM 16 November 2024	14.0	124.1	Over the coastal waters of Caramoran, Catanduanes	205	STY	WNW 20
24-Hour Forecast 11:00 AM 17 November 2024	15.2	122.1	Over the coastal waters of Burdeos, Quezon	185	STY	WNW 20
36-Hour Forecast 11:00 PM 17 November 2024	16.8	119.8	Over the coastal waters of Bolinao, Pangasinan	130	TY	NW 25
48-Hour Forecast 11:00 AM 18 November 2024	18.1	117.6	310 km West of Batac, Ilocos Norte	120	TY	WNW 25
60-Hour Forecast 11:00 PM 18 November 2024	18.5	115.7	510 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	110	STS	WNW 15
72-Hour Forecast 11:00 AM 19 November 2024	18.4	113.8	710 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	95	STS	W 15
96-Hour Forecast 11:00 AM 20 November 2024	17.7	111.3	970 km West of Northern Luzon (OUTSIDE PAR)	65	TS	WSW 10
120-Hour Forecast 11:00 AM 21 November 2024	16.4	109.9	1,120 km West of Northern Luzon (OUTSIDE PAR)	-	LOW	SW 10

Prepared by: *RPG*

Checked by: *MAGGE*

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
5 Wind threat: Typhoon-force winds	Catanduanes	-	-
	Warning lead time: 12 hours Range of wind speeds: 185 km/h or higher (Beaufort 12) Potential impacts of winds: Extreme threat to life and property		
4 Wind threat: Typhoon-force winds	The northeastern portion of Camarines Sur (Garchitorena, Caramoan, Presentacion, Siruma, Tinambac, Goa, Lagonoy, San Jose, Tigaon, Sagñay) and the northeastern portion of Albay (City of Tabaco, Tiwi, Malinao, Malilipot, Bacacay, Rapu-Rapu)	-	-
	Warning lead time: 12 hours Range of wind speeds: 118 to 184 km/h (Beaufort 12) Potential impacts of winds: Significant to severe threat to life and property		
3 Wind threat: Storm-force winds	Polillo Islands, the southeastern portion of mainland Quezon (Calauag, Guinayangan, Tagkawayan, Buenavista), Camarines Norte, the rest of Camarines Sur, the rest of Albay, and the northern portion of Sorsogon (Prieto Diaz, City of Sorsogon, Gubat, Barcelona, Castilla, Casiguran, Pilar, Donsol)	The eastern and central portions of Northern Samar (Palapag, Laoang, Mapanas, Gamay, Lapinig, Catubig, Pambujan, Las Navas, Biri, Bobon, Catarman, Mondragon, San Roque, Silvino Lobos, Lope de Vega, San Jose) and the northern portion of Eastern Samar (San Policarpo, Arteche, Oras, Jipapad)	-
	Warning lead time: 18 hours Range of wind speeds: 89 to 117 km/h (Beaufort 10 to 11) Potential impacts of winds: Moderate to significant threat to life and property		
2 Wind threat: Gale-force winds	The southern portion of Isabela (Dinapigue, Cordon, Ramon, Alicia, City of Cauayan, Angadanan, City of Santiago, San Isidro, Echague, Jones, San Agustin, San Guillermo, San Mariano, Benito Soliven, Naguilian, Palanan), Quirino, Nueva Vizcaya, the eastern portion of Pangasinan (San Nicolas, Umingan, Natividad, San Quintin, Tayug, Santa Maria, Rosales, Balungao, San Manuel, Villasis, Malasiqui, Bautista, Mapandan, Binalonan, Alcala, Asingan, Santo Tomas, City of Urdaneta, Laoac, Manaoag, Bayambang, Santa Barbara), Aurora, Nueva Ecija, Bulacan, Tarlac, Pampanga, the southern portion of Zambales (Botolan, Cabangan, San Marcelino, San Felipe, San Narciso, San Antonio, Castillejos, Subic, Olongapo City), Bataan, Metro Manila, Rizal, the rest of Quezon, Laguna, Cavite, Marinduque, the rest of Sorsogon, Burias Island, and Ticao Island	The central portion of Eastern Samar (Dolores, Maslog, Can-Avid, Taft, Sulat, San Julian, City of Borongan), the northern portion of Samar (Matuguinao, Calbayog City, Santa Margarita, San Jorge, San Jose de Buan, Tarangnan, Motiong, Gandara, Jiabong, City of Catbalogan, Paranas, Hinabangan, San Sebastian, Pagsanghan), and the rest of Northern Samar	-
	Warning lead time: 24 hours Range of wind speeds: 62 to 88 km/h (Beaufort 8 to 9) Potential impacts of winds: Minor to moderate threat to life and property		

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<p>1</p> <p>Wind threat: Strong winds</p>	<p>Mainland Cagayan, the rest of Isabela, Apayao, Kalinga, Abra, Mountain Province, Ifugao, Benguet, Ilocos Norte, Ilocos Sur, La Union, the rest of Pangasinan, the rest of Zambales, Batangas, the northern portion of Occidental Mindoro (Sablayan, Santa Cruz, Mamburao, Abra de Ilog, Paluan) including Lubang Islands, the northern portion of Oriental Mindoro (Puerto Galera, San Teodoro, Naujan, Baco, Victoria, Socorro, Pinamalayan, Bansud, Gloria, Pola, City of Calapan, Bongabong, Roxas, Mansalay), Romblon, and the rest of Masbate</p>	<p>The rest of Eastern Samar, the rest of Samar, Biliran, the northern and central portions of Leyte (Tunga, Pastrana, San Miguel, Matag-Ob, Tolosa, Palo, Calubian, Leyte, Mayorga, Julita, Carigara, Babatngon, Dagami, Jaro, San Isidro, Santa Fe, Albuera, Villaba, La Paz, Palompon, Macarthur, Tabontabon, Tanauan, Merida, Ormoc City, Isabel, Dulag, Capoocan, Alangalang, Burauen, Tabango, Tacloban City, Kananga, Barugo, Abuyog, Javier, City of Baybay, Mahaplag), the northeastern portion of Southern Leyte (Silago), the northernmost portion of Cebu (Daanbantayan, Medellin) including Bantayan Islands, and the northernmost portion of Iloilo (Carles)</p>	<p>The northern portion of Dinagat Islands (Loreto, Tubajon)</p>
	<p>Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property</p>		

OTHER HAZARDS AFFECTING LAND AREAS

Heavy Rainfall Outlook

Refer to Weather Advisory No. 44 issued at 2:00 PM today for the three-day heavy rainfall outlook associated with "PEPITO".

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.

- **Extreme impacts** from typhoon-force winds are possible within any of the areas under Wind Signal No. 5.
- **Significant to severe impacts** from typhoon-force winds are possible within any of the areas under Wind Signal No. 4.
- **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.

Coastal Inundation

There is a **high risk of life-threatening storm surge** with **peak heights exceeding 3.0 m** in the next 48 hours over the low-lying or exposed coastal localities of Ilocos Region (western coast), Isabela, Central Luzon, Metro Manila, CALABARZON, Marinduque, Bicol Region, Northern Samar, Samar, Eastern Samar, and Biliran. **Refer to Storm Surge Warning No. 7 issued at 2:00 PM today for the details.**

Magge

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HAZARDS AFFECTING COASTAL WATERS

A Gale Warning is hoisted over the eastern and southern seaboard of Southern Luzon and the eastern seaboard of Visayas. Refer to Gale Warning No. 10 issued at 5:00 AM today for the details.

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 Catanduanes.
- **Up to 12.0 m:** The northern seaboard of Camarines Sur.
- **Up to 9.0 m:** The northern and eastern seaboard of Northern Samar; the seaboard of Camarines Norte.
- **Up to 7.0 m:** The eastern seaboard of Albay, Sorsogon, and Eastern Samar.
- **Up to 5.5 m:** The remaining seaboard of Camarines Sur.
- **Up to 4.5 m:** The northern and eastern seaboard of Polillo Islands; the seaboard of Aurora; the remaining seaboard of Albay, Sorsogon, and Northern Samar; the seaboard of Burias and Ticao Islands.
- **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 4.0 m:** The seaboard of Dinagat Islands and northern Quezon.
- **Up to 3.5 m:** The seaboard of Isabela and Surigao del Norte including Siargao and Bucas Grande Islands; the remaining seaboard of Polillo Islands and Quezon, Bicol Region, and Eastern Visayas
- **Up to 3.0 m:** The eastern seaboard of Cagayan and Babuyan Islands; the seaboard of Surigao del Sur; the seaboard of Marinduque, Romblon, and northern Cebu
- **Mariners of small seacrafts, including all types of motorbancas, are advised not to venture out to sea under these conditions, especially if inexperienced or operating ill-equipped vessels.**

Up to moderate seas over the following coastal waters:

- **Up to 2.5 m:** The seaboard of Batanes and Davao Oriental
- **Up to 2.0 m:** The seaboard of Oriental Mindoro, Aklan, Capiz, Davao del Sur, and Ilocos Region.
- **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.**

TRACK AND INTENSITY OUTLOOK

- PEPITO is forecast to move generally west northwestward within the next three days before turning generally westward to west southwestward from Monday (18 November) afternoon to Thursday (21 November) early morning. On the track forecast, **PEPITO is more likely to make landfall in the vicinity of Catanduanes tonight or tomorrow (17 November) early morning.** However, considering the limits of the forecast confidence cone, a landfall scenario over the eastern coast of Camarines Sur or Albay during the same time frame (if it moves slightly south of forecast track), or along the eastern coast of Quezon or Aurora tomorrow afternoon or evening remains (if it moves slightly north of forecast track) not ruled out. PEPITO is expected to exit the Philippine Area of Responsibility (PAR) on Monday.
- Regardless of the landfall point, the PEPITO will move generally west northwestward over the weekend and pass over or near the localities of Bicol Region, Central Luzon, Quezon, and the southern portions of Ilocos Region and Cordillera Administrative Region before emerging over the West Philippine Sea tomorrow evening or Monday morning.
- **It must be emphasized that heavy rainfall, severe winds, and storm surge may still be experienced in localities outside the landfall point and the forecast confidence cone. Refer to "Other Hazards affecting Land Areas" for more details. Furthermore, the track may still shift within the limit of the forecast confidence cone.**
- PEPITO is approaching its peak intensity. With radar imagery showing signs of eyewall replacement, the intensity of PEPITO may begin to maintain or slightly decrease in the next coming hours. However, if the eyewall replacement finishes prior to its passage over Catanduanes, the super typhoon will resume intensifying as forecasted. Nevertheless, **PEPITO will likely make landfall over Catanduanes as a super typhoon at or near peak intensity, and as a super typhoon or typhoon over the Quezon-Aurora area.** Significant weakening will occur during the passage of PEPITO over mainland Luzon tomorrow, but it will likely remain as a typhoon until it reaches the West Philippine Sea.

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 5:00 PM today.

DOST-PAGASA

Prepared by: RPG

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