



TROPICAL CYCLONE BULLETIN NR. 11

Super Typhoon PEPITO (MAN-YI)

Issued at 5:00 PM, 16 November 2024

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

SUPER TYPHOON "PEPITO" CONTINUES TO THREATEN POTENTIALLY CATASTROPHIC AND LIFE-THREATENING SITUATION FOR NORTHEASTERN BICOL REGION.

Location of Center (4:00 PM)

The center of the eye of Super Typhoon PEPITO was estimated based on all available data including from Guiuan, Laoang, Masbate, Daet, and Baler Weather Radars at **120 km East of Virac, Catanduanes (13.4 °N, 125.3°E).**

Intensity

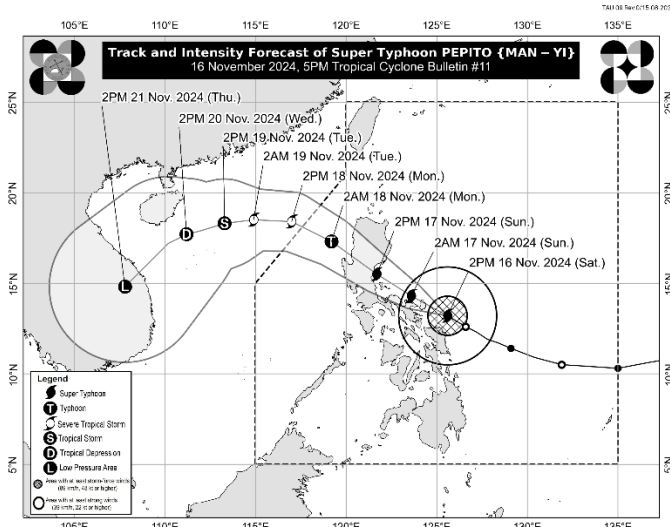
Maximum sustained winds of **195 km/h** near the center, gustiness of up to **240 km/h**, and central pressure of **920 hPa**

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 2:00 AM 17 November 2024	14.3	123.6	Over the coastal waters of Garchitorena, Camarines Sur	205	STY	WNW 20
24-Hour Forecast 2:00 PM 17 November 2024	15.5	121.7	Over the coastal waters of San Luis, Aurora	185	STY	WNW 20
36-Hour Forecast 2:00 AM 18 November 2024	17.3	119.2	140 km West Northwest of Bacnotan, La Union	130	TY	NW 30
48-Hour Forecast 2:00 PM 18 November 2024	18.4	117.0	375 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	110	STS	WNW 20
60-Hour Forecast 2:00 AM 19 November 2024	18.5	114.9	595 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	95	STS	W 20
72-Hour Forecast 2:00 PM 19 November 2024	18.3	113.3	765 km West of Batac, Ilocos Norte (OUTSIDE PAR)	75	TS	W 15
96-Hour Forecast 2:00 PM 20 November 2024	17.7	111.2	980 km West of Northern Luzon (OUTSIDE PAR)	55	TD	WSW 10
120-Hour Forecast 2:00 PM 21 November 2024	14.8	107.8	1,340 km West of Central Luzon (OUTSIDE PAR)	-	LOW	SW 20



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
5 Wind threat: Typhoon- force winds	Catanduanes and the northeastern portion of Camarines Sur (Caramoan, Garchitorena, Lagonoy, Presentacion)	-	-
	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	Camarines Norte, the northern and southeastern portions of Camarines Sur (Siruma, Tinambac, Goa, San Jose, Tigaon, Sagñay, Calabanga), 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 northern and eastern portions of mainland Quezon (Calauag, Guinayangan, Tagkawayan, Buenavista, Lopez, Quezon, Perez, Alabat, Gumaca, Plaridel, Atimonan, Mauban, Real, General Nakar, Infanta), 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, Artech, 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 (Calauag, Guinayangan, Tagkawayan, Buenavista, Lopez, Quezon, Perez, Alabat, Gumaca, Plaridel, Atimonan, Mauban, Real, General Nakar, Infanta), Quirino, Nueva Vizcaya, Ifugao, Benguet, La Union, Pangasinan, Aurora, Nueva Ecija, Bulacan, Tarlac, Pampanga, Zambales, Bataan, Metro Manila, Cavite, Rizal, the rest of Quezon, Laguna, 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		
1 Wind threat: Strong winds	Mainland Cagayan, the rest of Isabela, Apayao, Kalinga, Abra, Mountain Province, Ilocos Norte, Ilocos Sur, 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	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, Albueva, 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)	The northern portion of Dinagat Islands (Loreto, Tubajon)
	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		

Prepared by: RPG

Checked by: MAGGE

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OTHER HAZARDS AFFECTING LAND AREAS

Heavy Rainfall Outlook

Refer to Weather Advisory No. 45 issued at 5:00 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.**

HAZARDS AFFECTING COASTAL WATERS

A Gale Warning is hoisted over the eastern and southern seaboard of Luzon and the eastern seaboard of Visayas. Refer to Gale Warning No. 11 issued at 5:00 PM today for the details.

24-Hour Sea Condition Outlook

Note: These are forecast sea condition over the coastal waters and **not related to storm surge heights or inundation.**

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

- **Up to 14.0 m:** The northern and eastern seaboard of Catanduanes.
- **Up to 12.0 m:** The northern seaboard of Camarines Norte; the seaboard of Camarines Norte and Aurora
- **Up to 10.0 m:** The northern and eastern seaboard of Polillo Islands
- **Up to 9.0 m:** The seaboard of northern Quezon; the northern and eastern seaboard of Northern Samar.
- **Up to 7.0 m:** The seaboard of Isabela; the remaining seaboard of Catanduanes; the eastern seaboard of Camarines Sur, Albay, and Sorsogon.
- **Up to 5.0 m:** The eastern seaboard of mainland Cagayan and Eastern Samar
- **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 eastern seaboard of Quezon including the rest of Polillo Islands
- **Up to 3.5 m:** The seaboard of Batanes and Babuyan Islands.
- **Up to 3.0 m:** The seaboard of Pangasinan, La Union, Marinduque, and Romblon; the remaining seaboard of Quezon, Northern Samar, and Bicol Region; the eastern seaboard of Oriental Mindoro
- **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.**



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Up to moderate seas over the following coastal waters:

- **Up to 2.5 m:** The seaboard of Zambales; the western seaboard of Bataan; the eastern seaboard of Dinagat Islands; the remaining seaboard of Ilocos Region.
- **Up to 2.0 m:** The seaboard of Metro Manila, Aklan, Antique, Samar, Biliran, northeastern Iloilo, northern Negros Occidental, and northern Cebu including Bantayan Islands; the northern and eastern seaboard of Leyte; the eastern seaboard of Southern Leyte, Surigao del Sur, Davao Oriental; the northern and western seaboard of Dinagat Islands; the remaining seaboard of Bataan and CALABARZON; the northern seaboard of Occidental Mindoro including Lubang Islands and Oriental Mindoro.
- **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 remains 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 8:00 PM today.

DOST-PAGASA

Prepared by: **RPG**

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