



## SEVERE WEATHER BULLETIN #14

FOR: TYPHOON "TISOY" (KAMMURI)  
 TROPICAL CYCLONE: WARNING

**ISSUED AT 11:00 PM, 02 December 2019**

(Valid for broadcast until the next bulletin to be issued at 2 AM tomorrow)

### TYPHOON "TISOY" FURTHER INTENSIFIES AND HAS MADE LANDFALL IN GUBAT, SORSOGON

- The eyewall of "TISOY" is currently bringing violent winds and intense to torrential rainfall over Northern Samar, Catanduanes, Albay, Camarines Sur, and Sorsogon. Camarines Norte and Masbate will be affected by the eyewall in the next 2 to 3 hours.
- The eye of "TISOY" has made landfall over Gubat, Sorsogon at 11:00 PM tonight.

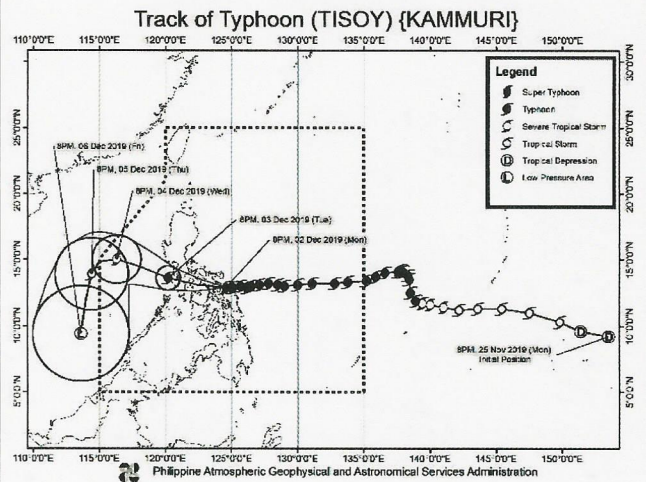
#### Heavy Rainfall Outlook

- **Between tonight and tomorrow noon:** Frequent to continuous heavy to intense (with isolated torrential) rains over Bicol Region, Northern Samar, Southern Quezon, Marinduque, and Romblon. Occasional to frequent heavy rains over Samar, Eastern Samar, Rizal, rest of Quezon, Laguna, and Oriental Mindoro. Intermittent heavy rains over Metro Manila, Occidental Mindoro, rest of CALABARZON, Aurora, rest of Eastern Visayas, and the eastern portions of Cagayan and Isabela.
- **Between tomorrow morning and Wednesday morning:** Frequent to continuous heavy to intense (with isolated torrential) rains over CALABARZON, Central Luzon, Metro Manila, Mindoro Provinces, Marinduque, and Romblon. Occasional to frequent heavy rains over Cagayan Valley, Cordillera Administrative Region, and Calamian Islands. Intermittent heavy rains over Aklan, Capiz, and northern Antique.
- Residents in the aforementioned areas, especially those living in areas identified to be highly or very highly susceptible to flooding and rain-induced landslides, are advised to take appropriate actions, coordinate with local disaster risk reduction and management offices, and continue monitoring for updates, especially the Thunderstorm or Rainfall Advisories and Heavy Rainfall Warnings to be issued by PAGASA Regional Services Divisions.

#### Other Hazards and Information

- Storm surge of more than 3.0 meters may affect several coastal areas in Albay, Sorsogon, Northern Samar, Catanduanes, Camarines Norte and Camarines Sur, and up to 3 meters over several coastal areas in Batangas, Quezon, Marinduque, Oriental Mindoro, and Occidental Mindoro. For more information, refer to Storm Surge Warning #5 issued at 8 PM today.
- Sea travel is risky over the seaboard of areas under TCWS, the seaboard of Northern Luzon, the western seaboard of Palawan, and the northern and eastern seaboard of Mindanao due to prevailing or forecast rough sea conditions which may be perilous for maritime activities, especially for those using small seacrafts.
- Gusty conditions may also be experienced in areas in Northern Luzon that are not under any TCWS (especially in the coastal and mountainous zones) due to the Northeast Monsoon.

<b>Location of eye/center</b>	At 10:00 PM today, the eye of Typhoon "TISOY" was located based on all available data at in the coastal waters of Gubat, Sorsogon (12.9°N, 124.3°E).
<b>Strength</b>	Maximum sustained winds of up to 175 km/h near the center and gustiness of up to 240 km/h.
<b>Movement</b>	Moving West at 15 km/h.
<b>Forecast Positions</b>	<ul style="list-style-type: none"> <li>• 24 Hour (Tomorrow evening): 105 km West Northwest of Calapan City, Oriental Mindoro (13.6°N, 120.2°E)</li> <li>• 48 Hour (Wednesday evening): 430 km West of Subic, Zambales (15.0°N, 116.3°E)</li> <li>• 72 Hour (Thursday evening): 645 km West of Subic, Zambales (OUTSIDE PAR) (13.9°N, 114.4°E)</li> <li>• 96 Hour (Friday evening): 185 km South Southwest of Pagasa Island, Palawan (OUTSIDE PAR) (9.4°N, 113.6°E)</li> </ul>



Prepared by: RPG

Checked by: SFD



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TROPICAL CYCLONE WIND SIGNAL				
TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
<b>3</b> (121-170 km/h winds prevailing or expected in 18 hours)	Catanduanes, Camarines Sur, Albay, Sorsogon, Camarines Norte, Masbate including Ticao and Burias Islands, Romblon, and southern portion of Quezon ( <i>Perez, Alabat, Quezon,            Mauban, Sampaloc,            Lucban, Tayabas,            Pagbilao, Lucena, Sariaya,            Candelaria, Dolores,            Tiaong, San Antonio,            Atimonan, Padre Burgos,            Agdangan, Plaridel,            Unisan, Pitogo, Gumaca,            Lopez, Macalelon, General            Luna, Calauag,            Guinayangan,            Tagkawayan, Buenavista,            Mulanay, San Narciso, San            Francisco, San Andres</i> ), Marinduque, Oriental Mindoro, Occidental Mindoro including Lubang Island, Batangas, Cavite, and Laguna	Northern Samar, northern portion of Eastern Samar ( <i>Can-avid,            Dolores, Maslog,            Oras, Arteche,            Jipapad, San            Policarpio</i> ), and northern portion of Samar ( <i>Catbalogan,            Jiabong, Motiong,            Paranas, San            Jose de Buan,            San Jorge,            Pagsanghan,            Tarangnan, Sta.            Margarita,            Gandara,            Matuguinao,            Calbayog,            Tagapul-an,            Almagro, Sto.            Niño</i> )	-	<ul style="list-style-type: none"> <li>● Heavy damage to high-risk structures;</li> <li>● Moderate damage to medium-risk structures;</li> <li>● Light damage to low risk structures</li> <li>● Increasing damage (up to more than 50%) to old, dilapidated residential structures and houses of light materials. Majority of all nipa and cogon houses may be unroofed or destroyed</li> <li>● Houses of medium strength materials (old, timber or mixed timber-CHB structures, usually with G.I. roofing's); some warehouses or bodega-type structures are unroofed.</li> <li>● There may be widespread disruption of electrical power and communication services.</li> <li>● Almost all banana plants are downed.</li> <li>● Some big trees (acacia, mango, etc.) are broken or uprooted.</li> <li>● Dwarf-type or hybrid coconut trees are tilted or downed.</li> <li>● Rice and corn crops may suffer heavy losses.</li> <li>● Damage to shrubbery and trees with foliage blown off; some large trees blown down.</li> </ul>

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### TROPICAL CYCLONE: WARNING

TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
<p><b>2</b> (61-120 km/h winds prevailing or expected in 24 hours)</p>	<p>Metro Manila, Bulacan, Bataan, Tarlac, Pampanga, Nueva Ecija, southern Aurora (Dipaculao, Maria Aurora, Baler, San Luis, Dingalan), Rizal, rest of Quezon including Polillo Islands, Calamian Islands, Cuyo Islands (Cuyo, Magsaysay, Agutaya), Zambales, and Pangasinan</p>	<p>Rest of Eastern Samar, rest of Samar, Biliran, Aklan, Capiz, Antique, Iloilo, Guimaras, northern portion of Negros Occidental (Talisay, Calatrava, Silay, Enrique B. Magalona, Victorias, Manapla, Cadiz, Sagay, Escalante, Toboso, Bacolod, Murcia, Salvador Benedicto, San Carlos, Bago, Pulupandan, Valladolid, La Carlota, San Enrique, Pontevedra, La Castellana, Moises Padilla), Northern Cebu (Daanbantayan, Bantayan, Madridejos, Santa Fe, Medellin, Bogo City, San Remigio, Tabogon, Tabuelan, Tuburan, Carmen Borbon, Sogod, Catmon, Asturias, and Camotes Islands), and Leyte</p>	<p style="text-align: center;">-</p>	<ul style="list-style-type: none"> <li>• Light to Moderate damage to high risk structures;</li> <li>• Very light to light damage to medium-risk structures;</li> <li>• No damage to very light damage to low risk structures</li> <li>• Unshielded, old dilapidated schoolhouses, makeshift shanties, and other structures of light materials are partially damaged or unroofed.</li> <li>• A number of nipa and cogon houses may be partially or totally unroofed.</li> <li>• Some old galvanized iron (G.I.) roofs may be peeled or blown off.</li> <li>• Some wooden, old electric posts are tilted or downed.</li> <li>• Some damage to poorly constructed signs/billboards</li> <li>• In general, the winds may bring light to moderate damage to the exposed communities. Most banana plants, a few mango trees, ipil-ipil and similar types of trees are downed or broken.</li> <li>• Some coconut trees may be tilted with few others broken.</li> <li>• Rice and corn may be adversely affected.</li> <li>• Considerable damage to shrubbery and trees with some heavy-foliaged trees blown down.</li> </ul>

**The public and the disaster risk reduction and management council concerned are advised to take appropriate actions and watch for the next Severe Weather Bulletin to be issued at 2 AM tomorrow.**

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### TROPICAL CYCLONE: WARNING

<b>1</b> (30-60 km/h winds prevailing or expected in 36 hours)	Southern Isabela ( <i>Palanan, Dinapigue,          San Mariano, San          Guillermo, Benito          Soliven, Naguilian,          Reina Mercedes, Luna,          Aurora, Cabatuan, San          Mateo, Cauayan City,          Alicia, Angadanan,          Ramon, San Isidro,          Echague, Cordon,          Santiago City, Jones          and San Agustin</i> ), Mountain Province, Ifugao, Benguet, Nueva Vizcaya, Ilocos Sur, La Union, Quirino, rest of Aurora, northern portion of Palawan ( <i>El Nido,          Taytay, Araceli,          Dumarán, San Vicente,          Roxas</i> )	Rest of Negros Occidental, Negros Oriental, Bohol, Siquijor, rest of Cebu, and Southern Leyte	Dinagat Islands and Siargao Island	<ul style="list-style-type: none"> <li>• Very light or no damage to low risk structures,</li> <li>• Light damage to medium to high risk structures</li> <li>• Slight damage to some houses of very light materials or makeshift structures in exposed communities. Some banana plants are tilted, a few downed and leaves are generally damaged</li> <li>• Twigs of small trees may be broken.</li> <li>• Rice crops, however, may suffer significant damage when it is in its flowering stage.</li> </ul>
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