



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

## NDRRMC UPDATE

### Severe Weather Bulletin No. **11** re Typhoon “LANDO”

Releasing Officer:

  
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 Executive Director

**DATE : 17 October 2015, 5:00 PM**

Source: PAGASA-DOST

#### I. SITUATION OVERVIEW:

Typhoon “LANDO” has further intensified as it threatens the provinces of Aurora, Isabela and Northern Quezon.

<b>Location of Center:</b> (as of 4:00 PM)	230 km East of Baler, Aurora			
<b>Coordinates:</b>	15.8°N, 123.8°E			
<b>Strength:</b>	Maximum sustained winds of <b>175 kph</b> near the center and gustiness of up to <b>210 kph</b>			
<b>Movement:</b>	Forecast to move <b>West</b> at <b>10 kph</b>			
<b>Forecast Positions/Outlook:</b>	<p><b>Tomorrow afternoon:</b> In the vicinity of Nagtipunan, Quirino</p> <p><b>Monday afternoon:</b> In the vicinity of Lubuagan, Kalinga</p> <p><b>Tuesday afternoon:</b> 20 km Northwest of Aparri, Cagayan</p> <p><b>Wednesday afternoon:</b> 70 km South of Basco, Batanes</p> <p><b>Thursday afternoon:</b> 130 km Northeast of Basco, Batanes</p>			
PSWS	Luzon	Visayas	Mindanao	Impacts of the wind
<p style="color: blue;">#4</p> <p>(winds of 171 – 220 kph is expected in 12 hours)</p>	<ul style="list-style-type: none"> <li>Aurora</li> </ul>	-	-	<ul style="list-style-type: none"> <li>Very heavy damage to high-risk structures</li> <li>Heavy damage to medium-risk structures</li> <li>Moderate damage to low-risk structures</li> <li>Considerable damage to structures of light materials (up to more than 75% are totally and partially destroyed); complete roof structure failures</li> <li>Many houses of medium-built materials are unroofed, some with collapsed walls, extensive damage to doors and windows</li> </ul>

				<ul style="list-style-type: none"> <li>• A few houses of first-class materials are partially damaged</li> <li>• All signs/billboards are blown down. There is almost total damage to banana plantation.</li> <li>• Most mango trees, ipil-ipil and similar types of large trees are downed or broken.</li> <li>• Coconut plantation may suffer extensive damage</li> <li>• Rice and corn plantation may suffer severe losses.</li> </ul>
<p><b>#3</b> (winds of 121 – 170 kph is expected in 18 hours)</p>	<ul style="list-style-type: none"> <li>• Isabela</li> <li>• Quirino</li> <li>• Nueva Vizcaya</li> <li>• Nueva Ecija</li> <li>• Ifugao</li> <li>• Northern Quezon</li> <li>• Polillo Islands</li> </ul>	-	-	<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. roofings); 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 shrubbery and trees with foliage blown off; some large trees blown down</li> </ul>
<p><b>Open Sea Wave Height: &gt; 14.0 meters storm surge of up to 2.0 meters is possible at coastal areas</b></p>				
<p><b>#2</b> (winds of 61 - 120 kph is expected in at least 24 hours)</p>	<ul style="list-style-type: none"> <li>• Cagayan</li> <li>• Babuyan group of islands</li> <li>• Calayan group of islands</li> <li>• Benguet</li> <li>• Mt. Province</li> <li>• Abra</li> <li>• Kalinga</li> </ul>	-	-	<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 school, houses, makeshift shanties, and other structures of light materials are partially damaged or unroofed</li> <li>• A number of nipa and cogon</li> </ul>



	<ul style="list-style-type: none"> <li>• Apayao</li> <li>• Pangasinan</li> <li>• <b>Zambales</b></li> <li>• <b>Tarlac</b></li> <li>• <b>Pampanga</b></li> <li>• <b>Bulacan</b></li> <li>• <b>Rizal</b></li> <li>• <b>Rest of Quezon</b></li> <li>• <b>Camarines Norte</b></li> <li>• <b>Metro Manila</b></li> </ul>			<p>houses may be partially or totally unroofed</p> <ul style="list-style-type: none"> <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>
<b>Open Sea Wave Height: 4.1 – 14.0m; storm surge possible at coastal areas</b>				
<b>#1</b> <b>(winds of 30 - 60 kph is expected in at least 36 hours)</b>	<ul style="list-style-type: none"> <li>• Batanes</li> <li>• Bataan</li> <li>• Cavite</li> <li>• Laguna</li> <li>• Batangas</li> <li>• <b>Lubang Island</b></li> <li>• <b>Northern Oriental Mindoro</b></li> <li>• <b>Marinduque</b></li> <li>• Camarines Sur</li> <li>• Albay</li> <li>• Catanduanes</li> </ul>	-	-	<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>
<b>Open Sea Wave Height: 1.25 – 4.0 meters</b>				

- Estimated rainfall amount is from heavy to intense within the 600 km diameter of the typhoon.
- Fisherfolk are advised NOT to venture out over seaboards of Luzon, Visayas and the eastern seaboard of Mindanao.
- Occasional rains and gusty winds will be experienced over provinces under PSWS#1 while those under PSWS#2 and #3 will have stormy weather.
- Typhoon "Lando" is expected to make landfall over Aurora-Isabela area between Saturday night and Sunday morning.
- The public and the Disaster Risk Reduction and Management Councils concerned are advised to take appropriate actions .

## II. ACTION/S TAKEN

- **NDRRMC Operations Center** disseminated **Severe Weather Bulletin No. 11** re Typhoon "LANDO" to all OCD Regional Centers through SMS and facsimile and uploaded on the NDRRMC website for further dissemination to their respective Local Disaster Risk Reduction and Management Councils (LDRRMCs) from the provincial down to the municipal levels.
  - Directed RDRRMCs concerned through the OCD Regional Centers to undertake precautionary measures in their Areas of Responsibility (AOR) and subsequently advised local DRRMCs to initiate pre-emptive evacuation of families in low-lying and mountainous areas if situation warrants.
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