



REPUBLIC OF THE PHILIPPINES
CITY OF IMUS | PROVINCE OF CAVITE
OFFICE OF THE CITY MAYOR

EXECUTIVE ORDER NO. 49
Series of 2022

**AN ORDER TO AMEND THE EARLY WARNING SYSTEM FOR DISASTER
PREPAREDNESS AND RESPONSE AND THE DISSEMINATION OF
INFORMATION BY THE CITY DRRMO OPERATIONS CENTER**

WHEREAS, it is declared policy of the State to uphold the people's constitutional right to life, health, safety, and property and to promote the general welfare of its people at all times, especially during disasters and calamities.

WHEREAS, the Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAG-ASA) is the agency of the government mandated to observe and report the weather of the Philippines and specified adjacent areas, and to issue forecasts and warnings of weather and flood conditions affecting national safety, welfare and economy.

WHEREAS, the Philippine Institute of Volcanology and Seismology (PHIVOLCS) is a service institute of the Department of Science and Technology (DOST) that is principally mandated to mitigate disasters that may arise from volcanic eruptions, earthquakes, tsunamis, and other related geotectonic phenomena.

WHEREAS, there is a need to amend the Standard Early Warning System for Natural Hazards in the City of Imus by using the city and barangay sirens, as well as the use of social media accounts of the city government, to eliminate and reduce the risk of loss to life and property during calamities:

NOW, therefore, I, ALEX L. ADVINCULA, Chairperson CDRRMC, City Mayor, by virtue of the powers vested in me by law, do hereby order the amendment of the Early Warning System for Disaster Preparedness and Response and Dissemination of Information by the City Operations Center:

Section 1. Hazards And Alerts- The City Government of Imus has established the top hazards and had conducted various risk assessments and formulated the Climate Impact Disaster Risk Assessment (CIDRA), which shall be the basis for the monitoring of possible incidents in the concerned barangays. The City Operations Center thru the Monitoring Unit shall monitor the forecasting sites of the concerned National Agencies which shall provide accurate and timely forecast data coming from their deployed monitoring equipment. The monitoring shall have a 24/7



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round-the-clock setup in order to provide an update of such hazards being monitored.

Section 2. Protocols — There shall be a procedural step to implement the City's Early Warning Systems and establish a clear flow of actions from the Operations Center or the activated Emergency Operations Center down to the stakeholders. The illustrations below shall determine the flow and actions to be undertaken, as follows:

EARLY WARNING SYSTEM PROTOCOL

1. **MONITORING-** Conduct a 24/7 monitoring from the forecasting sites of DOST- PAGASA for the Daily Weather Situations and possible weather disturbances, and DOST-PHIVOLCS for the occurrence of ground shaking. Areas as the origin of Ground Shaking shall be monitored which has an effect on the city, such as:
 - a. Philippine West Valley Fault which includes Silang, GMA, and Carmona;
 - b. West Philippine Sea
 - c. Quezon
 - d. Nasugbu, Batangas
 - e. Mabini, Batangas
 - f. Zambales
 - g. Pangasinan
 - h. Bulacan
 - i. Lubang Island
 - j. Mindoro

Reports on the identified area shall be monitored to establish the origin and disposal of information.

2. **INFORMATION DISSEMINATION-** After establishing accurate information from the forecasting sites being monitored, the monitoring unit shall disseminate the information to the information sites being used such as Social Media platforms and Radio Broadcasting to provide information to the Barangays, Homeowners Associations, Schools, Commercial Establishments, and Civic Society Organizations.



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If forecast assessment has been increasing or elevating, and thus may worsen the possible effects, intense monitoring and information dissemination shall be constant.

3. **ALERTS AND WARNINGS-** The release of information from the forecasting sites of the City Operations Center shall be timely and accurate so as to give the appropriate Alerts and Warning to the stakeholders. The Alerts and Warning to be used shall adopt the *national standard designs for various threats or hazards* with the use of the installed Early Warning Sirens and Alert guides to give stakeholders and residents information for their Preparedness and Response, such as preparation for evacuation, particularly in critical areas.

4. **DEPLOYED EWD-** The City Government has deployed some Early Warning Devices and Alerts Systems and the established EWD of the 97 Barangays to be used during heightened Alerts, such as:
 - a. City Hall
 - b. City Operations Center, Bucandala 3
 - c. Anabu Aksyon Agad Center (AAC)
 - d. Espeleta AAC
 - e. Malagasang AAC
 - f. 97 Barangays

A. NATURAL HAZARDS

A.1 RAINFALL INCIDENT

WEATHER FORECAST	EFFECT	ACTIONS		
		BEFORE	DURING	POST
THUNDERSTORM				
- Light to Moderate	No Flooding	TO MONITOR	TO MONITOR	TO MONITOR
- Moderate to Heavy 15mm-30mm less than an hour	Flooding- Severity of overflow of canal water	Alert – low to medium flooding in areas with drainage problems	TO MONITOR	TO MONITOR



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HEAVY RAINFALL WARNING

YELLOW RAINFALL WARNING

(a) YELLOW Warning – Rain rate per hour is 7.5mm	Possible increasing water drainage level	<ul style="list-style-type: none"> - To monitor low-lying areas for possible flooding after 3 hours; - Activate EOC - EWD Signal to Blue; - Activate Siren - Saturate information of alert status; - CCTV to focus on Rivers and Low Lying Areas - Activate constant Situational Reports documentations 	<ul style="list-style-type: none"> -Continues rainfall for more than 3 hours; -EOC Monitoring Team : -Continues monitoring of affected areas; -Continues to monitor messages and feedback reports; -Inform barangay of preparedness and response; -Constant reporting to superiors; -Check barangays with possible evacuations; 	<ul style="list-style-type: none"> -Continues monitoring of weather updates; -EOC Monitoring Team : -Continues monitoring of affected areas; -Continues to monitor messages and feedback reports; -Inform barangay of preparedness and response; - Prepare reports for submission
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**EWD: YELLOW
With Siren**



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WEATHER FORECAST	EFFECT	ACTION TO BE UNDERTAKEN		
		BEFORE	DURING	POST
(b) ORANGE RAINFALL WARNING				
Rain Rate of 7.5mm – 15mm/ hr	Possible flooding in low-lying areas and overflow of rivers	<ul style="list-style-type: none"> - Monitor Flooding in diff barangays - EOC on high Alert; - Saturate information of alert status; - CCTV to focus on Rivers and Low Lying Areas; - Activate constant Situational Reports documentations; - Recommend Flood Patrol; - Activate Response Teams; 	<ul style="list-style-type: none"> - Continues rainfall for more than 3 hours; - Assess for possible PRE-EMPTIVE EVACUATION - EOC Monitoring Team : <ul style="list-style-type: none"> - Continues monitoring of affected areas; - Continues to monitor messages and feedback reports; - Inform barangay of preparedness and response; - Constant reporting to superiors; - Check barangays with possible evacuations; 	<ul style="list-style-type: none"> - Continues monitoring of weather updates; - EOC Monitoring Team : <ul style="list-style-type: none"> - Continues monitoring of affected areas; - Continues to monitor messages and feedback reports; - Inform barangay of preparedness and response; - Prepare reports for submission
EWD: ORANGE With Siren				
(c) RED RAINFALL WARNING				
Rain Rate up to 30 mm/hr	Flooding in low-lying areas and other areas is occurring and overflow of rivers.	<ul style="list-style-type: none"> - Monitor High Level of Flooding; - EOC to monitor forced evacuation in barangays; - Saturate information of alert status; - CCTV to focus on Rivers and Low Lying Areas; - Ongoing High Response Operations 	<ul style="list-style-type: none"> - Continues rainfall for more than 3 hours; - Assess for possible FORCED EVACUATION; - EOC Monitoring Team : <ul style="list-style-type: none"> - Continues monitoring of affected areas; - Continues to monitor messages and feedback reports; - Inform barangay of preparedness and response; - Constant reporting to superiors; 	<ul style="list-style-type: none"> - Continues monitoring of weather updates; - EOC Monitoring Team : <ul style="list-style-type: none"> - Continues monitoring of affected areas; - Continues to monitor messages and feedback reports; - Inform barangay of preparedness and response; - Prepare reports for submission
EWD: RED With Siren				



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ALERTO SA BAHA

IMUS LISTO SA BAHA



ALERT LEVEL 1
YELLOW RAINFALL ALERT

LAKAS NG ULAN:
7.5 -15 MM/ HOUR

PAGHAHANDA:
MAGMONITOR O MAGHANDA
ANG MABABA O BAHANING LUGAR

ALERT LEVEL 2
ORANGE RAINFALL ALERT

LAKAS NG ULAN:
15-30 MM / HOUR MAGMASID SA
LOOB NG UNANG 1-6 NA ORAS

PAGHAHANDA:
-MAGHANDA SA PAGLIKAS ANG
KABAHAYANG MALAPIT SA ILOG
-SUMUNOD SA EMERGENCY
EVACUATION PROCEDURES

ALERT LEVEL 3
ORANGE RAINFALL ALERT

**TULOY-TULOY NA
PAG-ULAN:**
KUSANG PAGLIKAS /
MAGMASID SA SUSUNOD NA
6-10 ORAS (MABILIS NA PAGLAKI
NG TUBIG BAHA HABANG
MALAKAS NA PAG-ULAN

ALERT LEVEL 4
RED RAINFALL ALERT

LAKAS NG ULAN:
30 MM / HOUR PATAAS O
MALAKAS NA PAG-ULAN NA
MALABONG PAG ANINAG SA
DAANAN (ZERO VISIBILITY)

PAGHAHANDA:
-LUMIKAS ANG NASA TABING ILOG
-MAG-INGAT
-SUMUNOD SA EMERGENCY
EVACUATION PROCEDURES

CITY EVACUATION CENTER: IMUS SPORTS COMPLEX AND PLARIDEL SUBDIVISION
ALAMIN ANG MGA ITINAKDANG EVACUATION CENTER NG MGA BARANGAY
IMUS CDRRMO HOTLINE: 0908 850 0046 / 046 472-2625

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ALERTO SA BAHA

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BABALA SA PAG-APAW NG TUBIG SA ILOG



ANTAS NG ALERTO	AKSYON	KAGANAPAN
YELLOW (DILAW)	MAG-MONITOR	PAGTAAS NG TUBIG SA ILOG KUNG MALAKAS ANG PAG-ULAN
ORANGE (KAHEL)	MAGHANDA SA PAGLIKAS	MAHIGIT ANIM NA ORAS NA PAG-ULAN
RED (PULA) 1. CRITICAL LEVEL 2. OVERFLOW	1. KUSANG PAGLIKAS (PRE-EMPTIVE EVACUATION) 2. SAPILITANG PAGLIKAS (FORCE EVACUATION)	MAHIGIT WALO HANGGANG SAMPUNG ORAS NA MALAKAS NA PAG-ULAN

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A.2 TYPHOON

PAG-ASA FORECAST	ACTIONS TO BE UNDERTAKEN				
	PAR	24 hours Before landfall	12 hours Before landfall	6 hours Before landfall	LANDFALL/ Moving to Cavite/ nearby province
LOW-PRESSURE AREA	<ul style="list-style-type: none"> -Activate EOC - Alert on monitoring - Saturate information 	<ul style="list-style-type: none"> -Saturate information every release of Pag-Asa Forecast; - Conduct CDRRMC/BDR RMC PDRA; - Require clearing operations - Conduct Risk Assessment in Bgy level; - Prepare Response Operations 	<ul style="list-style-type: none"> Expect rainfall effect; Saturate information and alert; City and Barangays are prepared for any eventualities; 	<ul style="list-style-type: none"> Expect rainfall effect; Saturate information and alert; City and Barangays are prepared for any eventualities; 	<ul style="list-style-type: none"> Expect rainfall effect; Saturate information and alert; City and Barangays are prepared for any eventualities;
TROPICAL STORM/ TYPHOON	<ul style="list-style-type: none"> -Activate EOC - Alert on monitoring - Saturate information -Conduct CDRRMC/BDR RMC PDRA; -Require clearing operations; -Conduct Risk Assessment at Brgy level; -Prepare Response Operations; -Prepare the OPLAN LISTO guide 	<ul style="list-style-type: none"> Activate OPLAN LISTO Alerts per DILG CODIX issue City Response Activated City Evacuation Center in preparation; Monitoring of tracks every six hours; Saturation of info Stakeholders are prepared 	<ul style="list-style-type: none"> OPLAN LISTO ALERTS ACTIVATED City Response in preposition mode City Evacuation Center in preparation; Monitoring of tracks every six hours; Saturation of info Stakeholders are prepared 	<ul style="list-style-type: none"> OPLAN LISTO ALERTS ACTIVATED Conduct pre-emptive evacuation Mobilization of Response Saturation of info The city is prepared for any eventualities; 	



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ALERTO SA BAGYO
IMUS LISTO SA BAGYO



TROPICAL CYCLONE WIND SIGNAL NO.1

LAKAS:
39-61 kilometro bawat oras (39 kph - 61 kph)

PAGHAHANDA:
sa loob ng 36 oras

PAGHAHANDA:
MAGMONITOR / MAGHANDA

TROPICAL CYCLONE WIND SIGNAL NO.2

LAKAS:
62-88 kilometro bawat oras (62 kph - 88 kph)

PAGHAHANDA:
sa loob ng 24 oras

PAGHAHANDA:
1. MAGHANDA SA PAGLIKAS ANG MAHINANG KABAHAYAN
2. MAG-INGAT
3. SUMUNOD SA EMERGENCY EVACUATION PROCEDURES

TROPICAL CYCLONE WIND SIGNAL NO.3

LAKAS:
89 - 117 kilometro bawat oras (89 kph - 117 kph)

PAGHAHANDA:
sa loob ng 18 oras

PAGHAHANDA:
1. LUMAKAS ANG MAHINANG KABAHAYAN
2. MAG-INGAT
3. SUMUNOD SA EMERGENCY EVACUATION PROCEDURES

TROPICAL CYCLONE WIND SIGNAL NO.4

LAKAS:
118 - 184 kilometro bawat oras (118 kph - 184 kph)

PAGHAHANDA:
sa loob ng 12 oras

PAGHAHANDA:
1. LUMAKAS ANG MAHINANG KABAHAYAN
2. MAG-INGAT
3. SUMUNOD SA EMERGENCY EVACUATION PROCEDURES

TROPICAL CYCLONE WIND SIGNAL NO.5

LAKAS:
185 kilometro - pataas bawat oras (>185 kph)

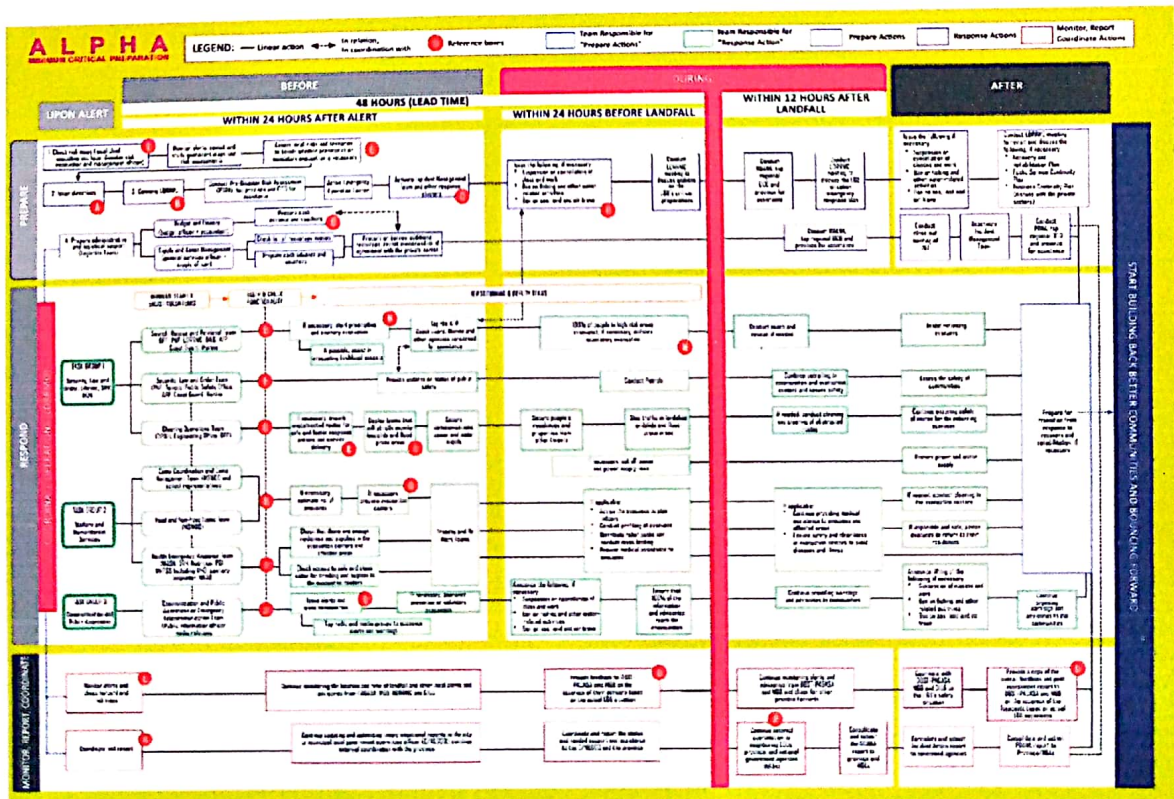
PAGHAHANDA:
sa loob ng 12 oras

PAGHAHANDA:
1. LUMAKAS ANG MAHINANG KABAHAYAN
2. MAG-INGAT
3. SUMUNOD SA EMERGENCY EVACUATION PROCEDURES

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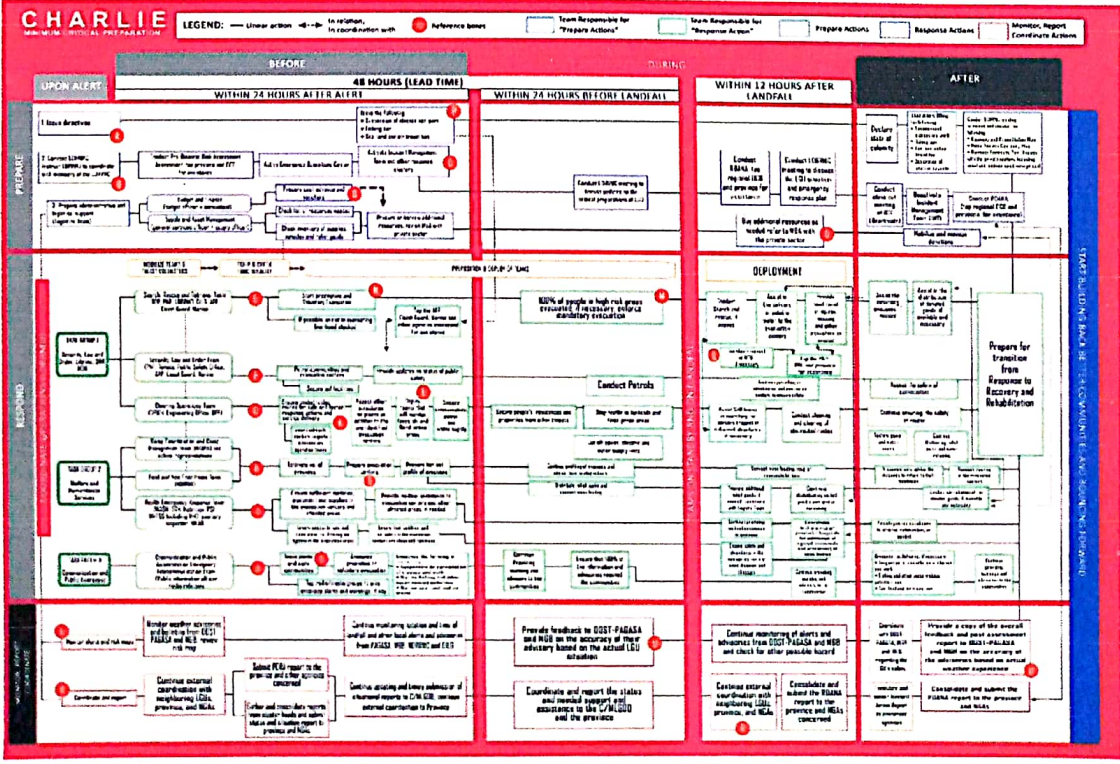
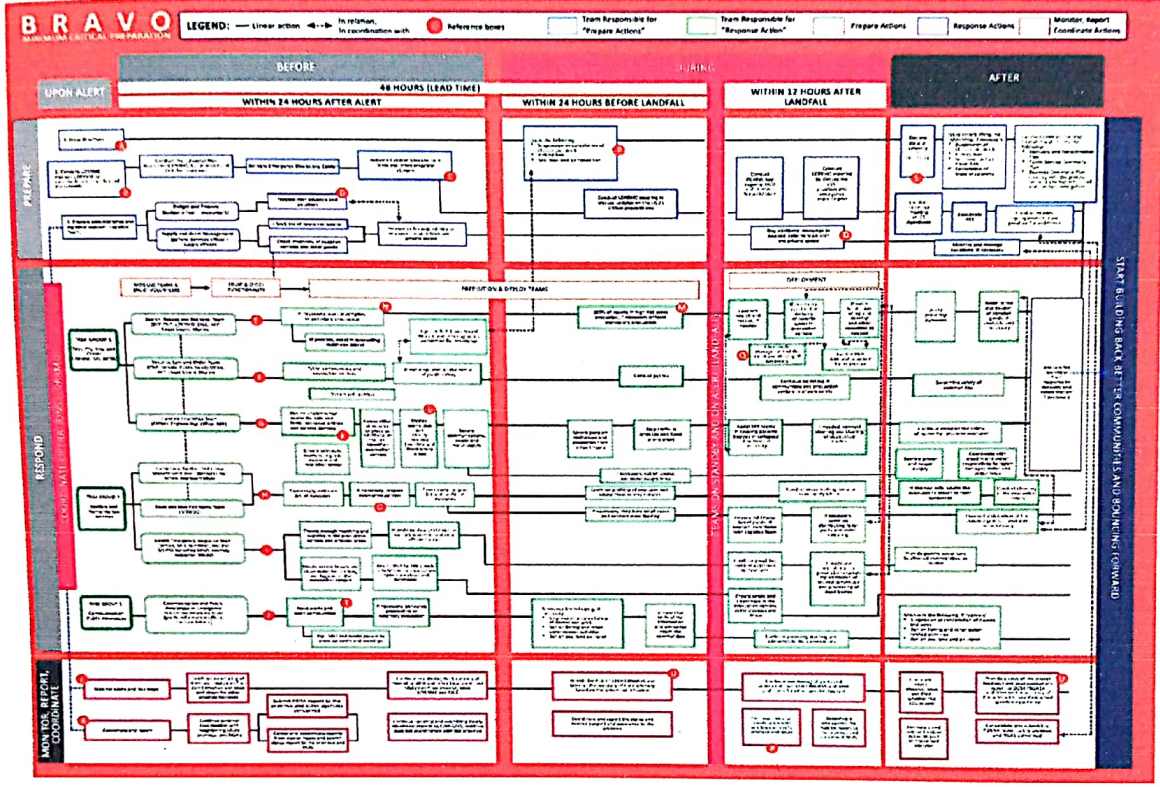
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OPLAN LISTO GUIDE





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A.3 EARTHQUAKE



PHIVOLCS	ACTIONS		
	BEFORE EARTHQUAKE	DURING EARTHQUAKE	AFTER EARTHQUAKE
INTENSITY 3 and Up	<ul style="list-style-type: none"> Poor structure is dangerous if there is an earthquake Strive to adhere to the established national building code Be alert during Earthquake Poor structure be proactive in evacuation if quake 	<ul style="list-style-type: none"> Don't Panic Go to a safe place Make the DROP, COVER, and HOLD ON 	<ul style="list-style-type: none"> Carefully Evacuate Go to SAFE OPEN GROUND Find out if it is safe to return to your residence or home

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IMUS LISTO SA LINDOL

BAGO MAGANAP ANG LINDOL

- Mahinang istruktura mapanganib kung may lindol
- Sikapang sumunod sa itinatagda ng National Building Code
- Maging listo sa panahong lumilindol
- Mahinang istruktura maging maagap sa paglikas kung lumilindol



HABANG LUMILINDOL

- Huwag mag-panic
- Pumunta sa ligtas na lugar
- Gawin ang **DROP, COVER, and HOLD ON**

PAGKATAPOS LUMINDOL

- Maingat na lumikas
- Pumunta sa **SAFE OPEN GROUND**
- Alamin kung safe na bumalik sa inyong tirahan o bahay

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Section 3. Raising Of Public Storm Signal- If the lower Public Storm Warning Signals are raised to a higher signal during the day, the corresponding warning system shall be made simultaneously at that time.



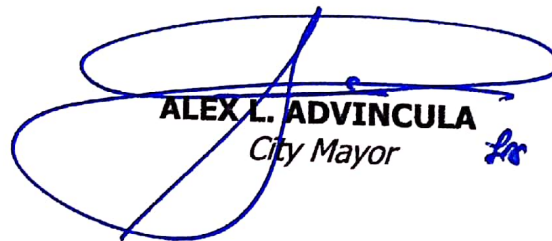
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Section 4. Evacuation Drill- The City and Barangay Siren will also be used if there are evacuation drills.

Section 5. Repeal- All previous issuances or orders, or part thereof inconsistent with this Executive Order are hereby repealed, amended, or modified accordingly.

Section 6. Effectivity- This Executive Order shall take effect immediately upon approval hereof and shall remain in full force and effect unless sooner revoked or amended by the Local Chief Executive.

DONE and **SIGNED** this 9th day of September 2022, City of Imus.


ALEX L. ADVINCULA
City Mayor *las*