



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

SitRep No. 02 re Magnitude 6.1 Earthquake in Castillejos, Zambales

Releasing Officer:


UNDERSECRETARY RICARDO B JALAD
Executive Director, NDRRMC and
Administrator, OCD

DATE: 23 April 2019

Sources: DOST-PHIVOLCS, DOE, NGCP, MMDA, BFP, DSWD, OCD RO III, and NCR

I. SITUATION OVERVIEW

- An earthquake with a Magnitude of 6.1 occurred in **Castillejos, Zambales**. Further details below:

Date/Time	22 Apr 2019 - 5:11:09 PM
Location	14.99°N, 120.35°E - 018 km N 67° E of Castillejos (Zambales)
Depth of Focus (Km)	012
Origin	TECTONIC
Magnitude	Mwp 6.1
Expecting Damage	YES
Expecting Aftershocks	YES
Issued on	22 Apr 2019 - 6:03:00 PM
Reported Intensities	<p>Intensity V - San Felipe, Zambales; Malolos and Obando, Bulacan; Quezon City; Lipa, Batangas; Manila City; Abucay, Bataan; Valenzuela City; Magalang, Pampanga</p> <p>Intensity IV - Pasig City; Makati City; Caloocan City; Meycauayan and San Jose Del Monte, Bulacan; Floridablanca, Pampanga; Villasis, Pangasinan; Tagaytay City; Villasis, Pangasinan; Baguio City; Marikina City; Las Pinas City</p> <p>Intensity III - Dasmarinas, Indang and Gen. Trias, Cavite; Lucban, Quezon; Muntinlupa City, Cabanatuan City; Palayan City; Gapan City; Santo Domingo and Talavera, Nueva Ecija</p> <p>Intensity II - Baler, Aurora</p> <p>Instrumental Intensities:</p>

	<p>Intensity II - Baler, Aurora</p> <p>Instrumental Intensities:</p> <p>Intensity V - Angeles City; Malolos, Bulacan;</p> <p>Intensity IV - Quezon City; San Juan City; Pasig City; Muntinlupa City; Gapan City; Cabanatuan City; Tagaytay City; San Ildefonso, Bulacan</p> <p>Intensity III - Mauban, Quezon; Talisay, Batangas; Guagua, Pampanga; Olongapo City</p> <p>Intensity II - Lucena City; Dolores and Lucban, Quezon; Dagupan City; Daet, Camarines Norte</p> <p>Intensity I - Guinayangan, Quezon; Calatagan, Batangas; Magalang, Pampanga; Sinait, Ilocos Sur</p>
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II. EFFECTS

A. CASUALTIES

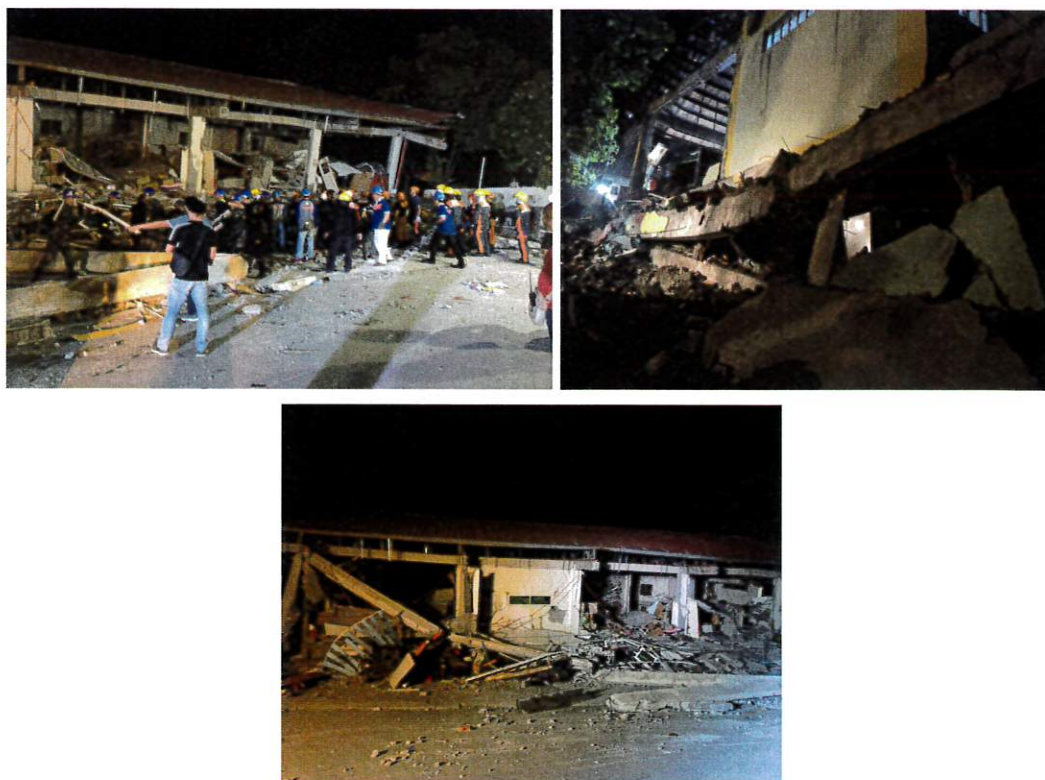
1. A total of seven (7) dead, eighty-one (81) injured, and twenty-four (24) missing were reported in Region III.

Note: Subject for validation/verifications

B. DAMAGES (Tab A)

1. A total of twenty-nine (29) structures/buildings sustained damages due to the earthquake in Regions III and NCR.

Source: OCDROs III and NCR



Chuzon Supermarket in Porac, Pampanga

C. INCIDENTS MONITORED

1. An **earthquake-induced landslide** was reported in Mt. Bimmukel, Sitio Lomibao, Brgy. San Rafael, **San Marcelino, Zambales**. Approximately 120 families were evacuated and provided relief packs.

D. STATUS OF LIFELINES

POWER SUPPLY

- A total of **four (4) Provinces** in Regions I and III experienced power interruption due to the incident.

REGION / PROVINCE	CITY/ MUNICIPALITY	DATE AND TIME OF INTERRUPTION	REMARKS
REGION I			
Pangasinan	Province-wide	22 APRIL 2019	Restored
La Union	Province-wide	22 APRIL 2019	Restored
REGION III			
Pampanga	Province-wide	22 APRIL 2019	Ongoing Restoration
Bataan	Province-wide	22 APRIL 2019	Ongoing Restoration

Source: DOE as of 22 April 2019, 7:00 PM

E. SUSPENSION OF CLASSES and Work (Tab B)

1. A total of **22 schools** in Regions III, **CALABARZON**, and **NCR** have suspended classes due to the incident.
2. Government work was suspended on 23 April 2019, in **Metro Manila** and the **Provinces of Zambales, Nueva Ecija, and Pampanga** to give way on the inspection of all structure damages.

III. DISASTER RESPONSE

A. NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

1. National Disaster Risk Reduction and Management Operations Center (NDRRMOC)

- a. The alert status was raised to BLUE at the NDRRMOC effective 22 April 2019, 7:00 PM.
- b. Issued NDRRMC Memorandum on 22 April 2019, to all concerned Chairpersons, RDRRMCs/OCD Regional Directors, directing them to raise their respective Operations Centers' alert status to continuously monitor their respective Areas of Responsibility (AOR). Likewise, NDRRMC member agencies were directed to render duty at NDRRMOC to ensure continuous coordination.
- c. Immediately disseminated the earthquake information No. 1 and 2 to OCD Regional concerned and other stakeholders through facsimile, SMS, website and twitter account for further dissemination to their respective local DRRMCs. Moreover, advised them to undertake precautionary measures and to monitor the situation for any possible effects of said earthquake particularly in areas with reported intensities.
- d. Prepared the Emergency Alert and Warning Message (EAWM) for dissemination of Telecommunications Companies (TELCOs) to the affected areas.

2. DOST-Philippine Institute of Volcanology and Seismology (PHIVOLCS)

- Disseminated Earthquake Information No. 1 and 2.
- Continuously monitoring significant earthquake activity/development.

3. Department of Energy (DOE)

- Activated Task Force on Energy Resiliency (TFER) to monitor the situation and coordinate with affected areas regarding the extent of the effects and damages to energy facilities.
- Ensures that all existing protocols / contingencies are carried-out by all TFER members.

Petron Corporations

- Conducted protective tripping of some units at the refinery which resulted to eventual plant shutdown, followed by the usual flaring of gases as required.

4. National Grid Corporation of the Philippines (NGCP)

- Activated 24/7 monitoring for the status of transmission facilities in Luzon.
- Ongoing restoration in affected transmission lines.

MERALCO

- Dispatched two (2) canter vehicles and four (4) generator sets with eight floodlights to Porac, Pampanga.

5. Metropolitan Manila Development Authority (MMDA)

- Deployed 12-man team of Search and Rescue (SRR) with complete Collapsed Structure Search and Rescue (CSSR) in Region III.

6. Department of Social Welfare and Development (DSWD)

Status of Prepositioned Resources:

The DSWD Central Office (CO), Field Offices (FOs), and National Resource Operations Center (NROC) have stockpiles and standby funds amounting to **₱1,300,735,023.94** with breakdown as follows:

a. Stockpiles

A total of **305,830 Family Food Packs (FFPs)** amounting to **₱110,926,870.78** and available **Food and Non-food Items (FNIs)** amounting to **₱764,536,659.34**.

b. Standby Funds

A total of **₱425,271,493.82** standby funds in the CO and FOs. Of the said amount, **₱379,175,082.35** is the available Quick Response Fund in the CO.

FIELD OFFICE	STANDBY FUNDS	STOCKPILE					TOTAL STANDBY FUNDS AND STOCKPILE
		Family Food Packs		Food <i>(Raw Mats and Other Food Item)</i>	Non-Food (Raw Mats and Other NFI)	Sub-Total (Food and NFIs)	
		Quantity	Total Cost				
TOTAL	425,271,493.82	305,830	110,926,870.78	146,417,383.66	618,119,275.68	764,536,659.34	1,300,735,023.94
Central Office*	379,175,082.35	-	-	-	-	-	379,175,082.35
NRLMB - NROC		104,000	39,222,560.00	86,178,307.66	342,547,446.39	428,725,754.05	467,948,314.05
NRLMB - VDRC		13,600	4,896,000.00	1,203,200.00	2,955,567.50	4,158,767.50	9,054,767.50
NCR	3,292,543.50	600	215,850.72	1,621,758.59	928,770.00	2,550,528.59	6,058,922.81
CAR	1,894,685.95	12,951	4,705,143.60	5,501,276.76	25,412,338.62	30,913,615.38	37,513,444.93
I	3,000,752.75	4,658	1,676,880.00	2,405,567.60	42,614,105.66	45,019,673.26	49,697,306.01
II	3,064,267.84	12,988	4,674,600.00	2,694,585.60	152,730.00	2,847,315.60	10,586,183.44
III	4,354,000.00	14,432	5,531,648.00	355,719.70	259,588.00	615,307.70	10,500,955.70
CALABARZON	3,000,000.00	3,534	1,266,406.44	5,209,219.00	6,643,361.00	11,852,580.00	16,118,986.44
MIMAROPA	3,559,522.78	12,673	5,297,314.00	2,275,279.00	756,715.00	3,031,994.00	11,888,830.78

V	1,536,000.00	22,168	8,489,476.76	3,715,716.80	41,878,359.22	45,594,076.02	55,619,552.78
VI	3,000,000.00	9,774	3,518,640.00	11,273,321.50	7,274,957.70	18,548,279.20	25,066,919.20
VII	3,000,000.00	13,086	1,585,333.20	7,049,271.80	17,621,916.27	24,671,188.07	29,256,521.27
VIII	1,960,000.00	16,303	5,892,230.26	3,622,762.08	1,709,416.00	5,332,178.08	13,184,408.34
IX	2,424,981.35	15,692	5,649,120.00	2,425,410.00	3,820,842.65	6,246,252.65	14,320,354.00
X	3,000,000.00	20,128	7,246,080.00	5,448,048.00	99,387,755.00	104,835,803.00	115,081,883.00
XI	3,000,000.00	6,049	2,186,108.60	323,200.00	14,680,885.00	15,004,085.00	20,190,193.60
XII	3,009,657.30	11,400	4,571,400.00	2,812,836.67	3,083,366.67	5,896,203.34	13,477,260.64
CARAGA	3,000,000.00	11,794	4,302,079.20	2,301,902.90	6,391,155.00	8,693,057.90	15,995,137.10

* Quick Response Fund (QRF) as of 19 March 2019

DSWD-DRMB

- The Disaster Response Operations Monitoring and Information Center (DROMIC) of the DSWD-DRMB continues to closely coordinate with DSWD-FO III for significant reports on the status of affected families, assistance, and relief efforts.
- DSWD-RETT is on Standby and ready for deployment, with Emergency Communications Equipment.
- DSWD-CO QRT members is on standby and ready for deployment.

Source: DSWD DROMIC Report No. 1 as of 22 April 2019, 6PM

B. Regional / Local Disaster Risk Reduction and Management Councils (R/LDRRMCs)

RDRRMC/OCDROs III and NCR raised its alert status to closely monitoring the situation and coordinating with concerned member-agencies and Local DRRMCs. Further, continuously disseminating advisories and updates to RDRRMC member-agencies, Provincial/Municipal/City DRRMCs, and local media (radio stations) through SMS, and upload the same to social accounts to effectively ensure public safety.

RDRRMC III

Office of Civil Defense (OCD) III

- Raised its alert status to BLUE effective 22 April 2019, 7:00 PM.**
- Deployed Medical and CSSR Teams in the affected municipalities.**
- Further information gathering and validation of the effects and damages caused by 6.1 magnitude Earthquake.
- Disseminated NDRRMC Advisories re Earthquake information to all Local Chief Executives, Local DRRM Officers and Regional DRRMCs thru SMS, facsimile and email for widest dissemination of information and warnings.
- Continuous coordination and monitoring with NDRRMC and PDRRMOs on the updates re: Earthquake in Castillejos, Zambales.

Bureau of Fire Protection (BFP) III

- All BFP Stations within the AOR were alerted for possible rescue and response operations.
- All duty personnel with their Municipal Fire Marshal conducted roving, monitoring and coordination with MDRRMO, PNP, LGU and other government agencies within their respective AOR.

PDRRMO Bulacan

- Continuous coordination with Cities/Municipalities, PHIVOLCS-DOST and OCD III.**
- Continuously monitoring of the situation in the province and updating to concerned member-agencies, RDRRMC/OCDRO III, DILG III, media and other partner agencies thru radio, fax, telephone, SMS, and social media.**
- Dispatched Bulacan Rescue CSSR Team and Pulilan Rescue to Porac, Pampanga on 22 April 2019.**
- Coordinated with Provincial General Service Office (PGSO) to conduct inspection at the Provincial Capitol Building.**

- e. Coordinated with Provincial Engineering Office (PEO) to conduct inspection of Provincial Government of Bulacan (PGB) infrastructure projects.
- f. Coordinated with Angat, Ipo and Bustos Dam operators in assessing immediate effects and structural integrity of the dams after the earthquake.

PDRRMO Bataan

- a. Disseminate earthquake advisories from PHIVOLCS and coordinated with Local DRRMCs and PDRRMC member-agencies thru SMS and social media.
- b. Advised all DRRMOs and concerned agencies to monitor, confirm and validate information and report on any eventuality on their respective AORs.
- c. LDRRMCs are continuously monitoring critical areas and collapsed structures/landslide within their respective AORs.
- d. Coordinated with PEO and Philippine Institute of Civil Engineers (PICE) Bataan Chapter to conduct inspection of buildings particularly Bataan General Hospital, Orani District Hospital and Mariveles District Hospital.
- e. Coordinated with CDRRMO Balanga Safety Officers to conduct building inspection at St. Joseph Hospital.
- f. Released information to media.

PDRRMO Zambales

- a. In continuous coordination with the Local DRRMOs.
- b. Conducted inspection on all major roads and bridges connecting the Municipalities of Iba and Castillejos.

CDRRMO Olongapo

- a. Disseminated all latest Earthquake Advisory from PHIVOLCS and coordinated to all seventeen (17) BDRRMCs and member-agencies thru SMS and social media.
- b. Advised all BDRRMCs and concerned agencies to monitor, confirm and validate information and report on any eventuality in their respective AORs.
- c. Continuous monitoring of critical areas on collapsed structures/landslide within their respective AOR.
- d. Coordinated with City Engineering Office to conduct full inspection of critical facilities.
- e. Coordinated with Olongapo Fire Rescue Team (OFRT) and two (2) squads for CSSR to standby for deployment on affected areas particularly in Porac, Pampanga.

Metro Manila Disaster Risk Reduction and Management Council (MMDRRMC)

- Issued MMDRRMC Memorandum No. 0422-01 re Conduct of Inspection to All Government Buildings and infrastructures within AOR.

OCD NCR

- a. Continuous monitoring of the situation in Metro Manila and maintains close coordination with concerned LDRRMCs.

MMDA

- a. Deployed two (2) MMDA buses and one (1) Military Truck for “Libreng Sakay” to assist stranded passengers.

- b. Temporarily allowed provincial buses to load and unload passengers along EDSA in the evening of 22 April 2019.

Department of Transportation (DOTr) NCR

- a. Unloaded passengers of LRT-1, LRT-2, and MRT-3, immediately upon the occurrence of the earthquake and subsequently suspending operations on 22 April 2019.

PNP NCR

- a. Directed the PNP Director of Logistics to immediately deploy all available PNP transport vehicles consisting (four (4) coasters, one (1) bus, and four (4) trucks) to assist in the transportation of stranded passengers from Cubao to Monumento and Cubao to Pasay Taft.

CDRRMC Manila

- a. Deployed personnel to assess the affected areas within the city.
- b. Deployed 1st Responding Unit at Manila City Hall, SM Manila, Binondo, Sta. Cruz, Mapua, and EAC.
- c. Conducted Search and Rescue Operations at EAC.
- d. Deployed Rapid Damage Assessment and Needs Analysis (RDANA) Team to gather initial report.
- e. Deployed Fire Brigades and Emergency Medical Services (EMS) and activated CDRMMC Incident Management Team (IMT).
- f. Alerted BDRRMCs to take appropriate response actions.

CDRRMC Parañaque

- a. Conducted RDANA at of City Hall and Ospital ng Parañaque (OSPAR).
- b. Continuous coordination with barangays.

CDRRMC Quezon City

- a. Established Incident Command Post (ICP) at 5:20 PM.
- b. Conducted checked-in procedure for the possible activation of the IMT.
- c. Conducted building inspections within QC Hall Compound.
- d. Coordinated with BDRRMCs for situational update relative to the said event.

CDRRMC Mandaluyong

- a. Instructed BDRRMCs to conduct inspection within their respective AORs.
- b. Placed Barangay and City responders on standby for possible deployment.
- c. Conducted inspection at City Hall Complex and other facilities.

Effects of Magnitude 6.1 Earthquake in Castillejos (Zambales)

DAMAGED STRUCTURES

As of 23 April 2019, 6:00 AM

REGION/PROVINCE	LOCATION	STRUCTURE	REMARKS
REGION III			
Bataan	Balanga City	Bataan People's Center Capitol Compound Balanga Center	<ul style="list-style-type: none">Minor Cracks at Provincial Cooperative Development Office (PCEDO) Bataan wall
		Bataan-Pampanga Boundary Ark	<ul style="list-style-type: none">Totally damage, cleared debris as of 7:32PM through consolidated efforts of DPWH, PEO, MBDA, Lubao DRRMO and PNP for fast and effective management
		Malabia Water Tank Balanga City	<ul style="list-style-type: none">Minor leaks
		Robinson's Mall Balanga	<ul style="list-style-type: none">Minor cracks in the wall
		Vista Mall Bataan	<ul style="list-style-type: none">Minor cracks in the wall
		St.Joseph Hospital	<ul style="list-style-type: none">Minor Cracks in the wall. Balanga CDRMO and safety officers conducted damage assessment to the building
	Bataan General Hospital	<ul style="list-style-type: none">Minor Cracks in the wall. PEO conducted damage assement to the building	
	Mariveles	Mariveles District Hospital	<ul style="list-style-type: none">Minor Cracks in the wall. PEO conducted damage assement to the building
Orani	Orani District Hospital I	<ul style="list-style-type: none">Minor Cracks in the wall. PEO conducted damage assement to the building	
Zambales	San Marcelino	Creek Canal along Purok 3 Brgy. Burgos	<ul style="list-style-type: none">Sustained minor damage
Pampanga	Lubao	St. Augustine Parish Church	<ul style="list-style-type: none">Portion of the Tower or Dome collapsedAuthorities on-site assessing the damage
		Sto. Niño Arch	<ul style="list-style-type: none">Collapsed
		Bridge at San Jose Gumil	<ul style="list-style-type: none">Collapsed
		Bataan-Pampanga Boundary Arch	<ul style="list-style-type: none">Totally damageCleared debris
	Porac	Chuzon Supermarket	<ul style="list-style-type: none">Collapsed
		Consuelo Bridge along Florida Blanca (2kms away from Basa Air Base)	<ul style="list-style-type: none">Damaged/Collapsed
		Megadike going to Porac	<ul style="list-style-type: none">Not passable to all types of vehicles
	Clark	Clark International Airport	<ul style="list-style-type: none">Sink HoleCeiling collapsedAs of 7:40 PM, 22 April 2019, flights were suspended
	Mexico	Water tank in Brgy. San Roque	<ul style="list-style-type: none">Collapsed
	Bacolor	Megadike Access Roads	<ul style="list-style-type: none">Closed from Dolores to Calibutbut / Maliwalo
	Angeles City	Pawnshop in Baragay San Nicolas	<ul style="list-style-type: none">Collapsed
		Marquee Mall	<ul style="list-style-type: none">Glass shattered
		Sunset School and a residential building at Dama de Noche St. Brgy Cutcut	<ul style="list-style-type: none">Collapsed fence
	NCR		
Manila	San Marcelino, UN Manila	Emilio Aguinaldo College (EAC)	<ul style="list-style-type: none">Detached façade and damaged building
Mandaluyong	Barangay Malamig, EDSA, Mandaluyong	GA Tower	<ul style="list-style-type: none">Several fallen decorative bricks reported outside the building.
Manila	Binondo, Sta. Cruz	Anchorage Hotel	<ul style="list-style-type: none">Water Tank Spilled
Manila	Binondo, Sta. Cruz	Sun Tower Building	<ul style="list-style-type: none">Partially collapsed
Manila	Ongping cor. Gandara Binondo Sta. Cruz	Anchor Land Sky Suites	<ul style="list-style-type: none">Damaged
Parañaque	Ina Homes, Brgy. San Antonio	Electrical Post	<ul style="list-style-type: none">Leaning Posts

Note: Ongoing verification/validation

Effects of Magnitude 6.1 Earthquake in Castillejos (Zambales)

SUSPENSION OF CLASSES

As of 23 April 2019, 6:00 AM

PROVINCE / CITY / MUNICIPALITY	SCHOOLS	LEVELS	DATE OF SUSPENSION	DATE RESUMED	REMARKS
REGION III					
Bataan					
	Polytechnic University of the Philippines – Bataan		23 April 2019		
Pampanga					
Angeles City, Pampanga		All Levels	23 April 2019		classes in all public and private schools
	University of the Philippines Diliman Extension Program in Pampanga		23 April 2019		
	Philippine Science High School – Central Luzon campus in Angeles, Pampanga		23 April 2019		
Zambales		All Levels	23 April 2019		classes (private and public) and government work
NCR					
Manila		All Levels	23 April 2019		including all office work
	University of Santo Tomas		23 April 2019		
	Ateneo Professional Schools		23 April 2019		
	De La Salle University – Manila campus		23 April 2019		
	Far Eastern University Manila		23 April 2019		
	Far Eastern University Makati		23 April 2019		
	Far Eastern University Diliman		23 April 2019		
	Lyceum of the Philippines University		23 April 2019		
	Mapua University – Makati campus		23 April 2019		
	Mapua University – Intramuros campus		23 April 2019		
	UP Diliman		23 April 2019		
	iACADEMY		23 April 2019		
	Roosevelt College		23 April 2019		
	Ateneo de Manila University		23 April 2019		
	Colegio de San Juan de Letran-Intramuros		23 April 2019		
	College of the Holy Spirit Manila		23 April 2019		
	Philippine Women's University		23 April 2019		
	Polytechnic University of the Philippines All Campuses		23 April 2019		
	MINT College Taguig		23 April 2019		
CALABARZON					
Laguna		All Levels	23 April 2019		
Malayan Colleges Laguna			23 April 2019		

Source: #walangpasok, OCDRO NCR