

DATE : 06 MAR 2019

DAY : Wednesday

# DENR

## IN THE NEWS

Strategic Communication and Initiative Service



# MANILA BAY REHABILITATION: MECHANIZED CLEANUP NEXT

NEWS / A6



**MEN AND MACHINES** After an army of garbage-pickers descended on the Manila Bay coastline recently, a fleet of heavy equipment arrived on Tuesday for a follow-up job. The fleet includes amphibious excavators, dump trucks and a debris segregator that will operate 16 hours a day to rid the bay of underwater trash in the next six weeks. —MARIANNE BERMUDEZ



Department of Environment and Natural Resources  
STRATEGIC COMMUNICATION INITIATIVES SERVICE

PHILIPPINE DAILY  
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**MASSIVE DESILTING UNDERWAY**

**BAY REHAB ENTERS MECHANIZED PHASE**

**By Jovic Yee**  
@jovicjeeINQ

The Department of Public Works and Highways (DPWH) on Tuesday began massive dredging to remove more than 225,000 cubic meters of silt and garbage from a portion of Manila Bay.

Public Works Secretary Mark Villar said 28 heavy equipment and about 50 personnel would be deployed to work 16 hours daily for six days a week

in a 1.5-kilometer stretch of Manila Bay, from Manila Yacht Club to the US Embassy.

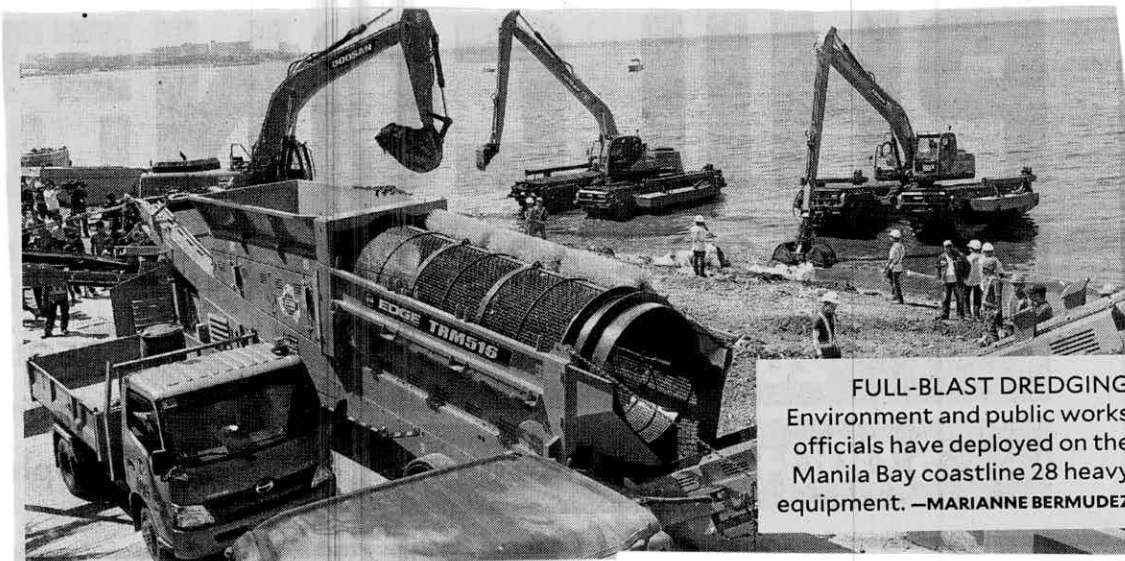
He said the aim was to desilt an area of around 150 meters from the shoreline.

"Excavation will be the major mechanism for the removal of the accumulated pollutants in Manila Bay," Villar said.

Under the DPWH's program, work on the bay will be divided into five sections, each lasting up to 120 days. To determine adjustments to be made in their

work, Villar said that depth measurement surveys and water quality tests would be done regularly.

Apart from dredging, the DPWH, along with the Department of Environment and Natural Resources, Metropolitan Manila Development Authority and the Philippine Coast Guard, will also clean up and unclog tributaries and drainage canals in Manila that are choked up with garbage that end up in the bay. INQ



**FULL-BLAST DREDGING**  
Environment and public works officials have deployed on the Manila Bay coastline 28 heavy equipment. —MARIANNE BERMUDEZ



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## DPWH starts desilting Manila Bay

The Department of Public Works and Highways (DPWH) is targeting to remove at least 225,000 cubic meters of silt from a 1.5-kilometer segment of Manila Bay's shoreline within the year.

As the agency started desilting operations at Manila Bay yesterday, DPWH Secretary Mark Villar admitted they have no estimate of the quantity of silt buried underneath the bay's waters.

For this year, the desilting program would cover the segment from the United States embassy to the Manila Yacht Club, up to a distance of 50 meters from the coastline and up to a meter deep, Villar said.

"Excavation will be the major mechanism for the removal of the accumulated pollutants in Manila Bay. Our Bureau of Equipment (BOE), regional and district engineering offices in Metro Manila deployed a total of 28 (pieces of) equipment and 50 personnel to operate 16 hours a day, six days a week," he said.

Villar said this is "the biggest, if not one of the biggest" dredging projects ever undertaken by the DPWH.

Among the equipment used by the DPWH are three new amphibious excavators, two dumping scows and a debris segregator, which would separate soil from garbage. The trash would then be brought to a dump in Navotas.

Villar said they expect to collect up to 50 to 100 truckloads of silt a day, and may soon use a barge in order to have two options in bringing the garbage collected from the bay to the Navotas dump.

The agency is also planning to purchase a trash skimmer.

BOE director Toribio Noel Ilaos said they divided the segment into five sectors, each between 200 and 300 meters long. Desilting one sector could take 90 to 120 days, he added.

Department of Environment and Natural Resources Secretary Roy Cimatu said the desilting operation is the second phase of their cleanup, which started on Jan. 27.

Cimatu and Villar also presented two waterproof remote-controlled sewer inspection cameras that can enter into the box culverts of the three main sewage outfalls that drain into the bay. The outfalls are located on Padre Faura and Adriatico streets and the Manila Zoo.

Cimatu said they would use the cameras to determine which establishments are illegally discharging waste into the bay.

The government also plans to install box culverts that would divert the flow of water from the outfalls to a water treatment facility that would be established near the Manila Yacht Club.

- Evelyn Macairan





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Department of Public Works and Highways personnel operate amphibious excavators to remove silt from Manila Bay's shoreline yesterday.

EDD GUMBAN



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THE EXPONENT OF PHILIPPINE PROGRESS  
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# MANILA BULLETIN

THE NATION'S LEADING NEWSPAPER

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**UNDER CLOSE WATCH** - Greenpeace activists on a rubber boat shadow a barge carrying tons of plastic waste as it makes its way across Manila Bay Tuesday. (Manny Llanes)

## Desilting of Manila Bay begins

By **BETHEENA UNITE**

**A**mphibious excavators, dumping scows, dump trucks, debris segregator, and vacuum sewer jet cleaners were deployed in Manila Bay Tuesday, the first day of dredging operations to clean up the bay.

"Sagip Manila Bay," according Department of Public Works and Highways (DPWH) Secretary Mark Villar, will cover the 1.5-kilometer stretch of Manila Bay shoreline from the Manila Yacht Club to the US Embassy.

"This event marks the full-blast dredging within this critical section of Manila Bay. Our Bureau of Equipment, regional and district engineering offices in Metro Manila have deployed a total of 28 equipment, and 50 personnel to operate 16 hours a day, six days a week," Villar said.

An estimated 225,000 cubic meters of silt will be siphoned off, according to Bureau of Equipment Director Toribio Noel Ilao.

"This is a lot of silt to be removed. And we have yet to determine, via laboratory tests, its actual particle size and toxicity levels. For that, we shall be seeking assistance from the DENR (Department of Environment and Natural Resources) to determine whether this silt, which is probably full of nutrients, is still useful, say for construction purposes, or they are all to be dumped in landfills," Ilao said.

Excavation will be the major mechanism for the removal of the accumulated pollutants in the bay, Villar said.

The desilting operations will be divided into five sectors, each ranging from 200 to 300 meters long, until the entire 1.5-kilometer is finished, Ilao said.

Each sector will be desilted approximately within 90 to 120 days.

The department will also coordinate with the (DENR) and Philippine Coast Guard in monitoring Manila Bay using bathymetric or depth measurement survey, water quality

test, and ocular inspection.

DPWH will also declog tributaries and esteros in Manila that flow into the bay.

"These tributaries or esteros and drainage pipes need to be cleaned and unclogged, as trash from these areas will eventually make their way to Manila Bay," Villar said.

Last February, President Duterte ordered the creation of the Manila Bay Task Force composed of various government agencies to ensure the expedited and complete rehabilitation, restoration, and conservation of the coastal and marine ecosystem of the Manila Bay.



## Full-blast dredging of Manila Bay starts

ABOUT 225,000 cubic meters of silt will be removed from the 1.5-kilometer stretch of Manila Bay from the Manila Yacht Club breakwater to the United States Embassy in Manila, Public Works Secretary Mark Villar said Tuesday.

He made the statement as his department started its desilting operations on the bay.

Villar said amphibious excavators, dumping scows, dump trucks, debris segregators, street sweepers and vacuum sewer jet cleaners were being deployed in the area and other strategic locations.

"This event marks the full-blast dredging within this critical section of

Manila Bay," Villar said.

"Our Bureau of Equipment, Regional and District Engineering Offices in Metro Manila have deployed a total of 28 equipment and 50 personnel to operate 16 hours a day, six days a week.

"Excavation will be the major mechanism for the removal of the accumulated pollutants on Manila Bay. Through our crew and equipment fleet, we aim to desilt within 150 meters from the shoreline of Manila Bay."

Villar said they expected to collect 600 cubic meters of silt a day.

DPWH-BOE Director Toribio Noel Ilao said the desilting activities will be di-

vided into five sectors, each ranging from 200 to 300 meters long, until the 1.5-kilometer stretch is finished. Each sector will be desilted within 90 to 120 days.

Public Works will coordinate with the Environment department and the Philippine Coast Guard in monitoring Manila Bay where the depth will be measured and the water quality tested.

The department will also clean up and declog the tributaries and canals in the city.

Manila Mayor Joseph Estrada said the city will support the rehabilitation of Manila Bay and praised the Duterte administration for it. **PNA**



Department of Environment and Natural Resources  
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## Manila Bay dredging

An estimated 225,000 cubic meters of silt will be removed by the Department of Public Works and Highways (DPWH) across the approximately 1.5-kilometer stretch of Manila Bay from the Manila Yacht Club breakwater to the US Embassy.

The DPWH yesterday started the full-blast dredging within 150 meters from the shoreline of Manila Bay using a total of 28 equipment and 50 personnel to work 16 hours a day, six days a week.

**Raymart Lolo**



## Dredging ng Manila Bay, umarangkada

Iba't ibang kagamitan tulad ng amphibious excavators, dumping scows, dump trucks, debris segregator, at vacuum sewer jet cleaners ang ipinadala sa Manila Bay kahapon, para sa unang araw ng dredging operations ng Department of Public Works and Highways (DPWH).

Ang misyon na binansagang "DPWH Sagip Manila Bay," ayon kay Secretary Mark Villar, ay sasakupin

ang tinatayang 1.5-kilometrong haba ng Manila Bay mula sa Manila Yacht Club breakwater hanggang sa US Embassy.

Tinatayang 225,000 cubic meters ng latak ang aalisin sa lugar, ayon sa kalihim.

"This event marks the full-blast dredging within this critical section of Manila Bay. Our Bureau of Equipment, regional and district engineering offices in Metro

Manila have deployed a total of 28 equipment, and 50 personnel to operate 16 hours a day, six days a week," ani Villar.

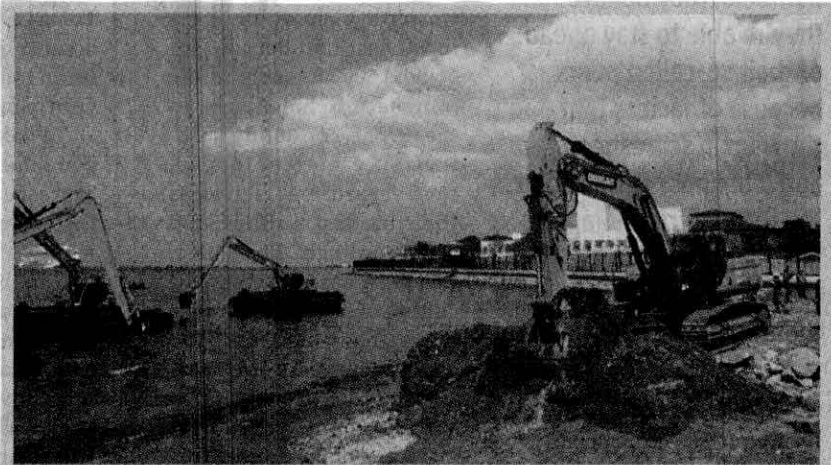
Idinagdag ni Villar na ang excavation ay magiging malaking mekanismo para sa pag-alis ng mga naipong basura sa Manila Bay. Target nila na malinis at mahukay ang 150 metro mula sa dalampasigan ng Manila Bay.

**Betheena Kae Unite**





## #nationataglance



DPWH

### NATIONAL CAPITAL REGION: MANILA

#### Equipment deployed for Manila Bay desilting

A FLEET of equipment has been deployed by the Department of Public Works and Highways (DPWH) for the desilting of Manila Bay. "This event marks the full-blast dredging within this critical section of Manila Bay. Our Bureau of Equipment, Regional and District Engineering Offices in Metro Manila have deployed a total of 28 equipment, and 50 personnel to operate 16 hours a day, 6 days a week," said Secretary Mark A. Villar during the launch of the DPWH Sagip Manila Bay project on March 5. An estimated 225,000 cubic meters of silt will be removed across the approximately 1.5-kilometer stretch of Manila Bay from the Manila Yacht Club breakwater to the US Embassy. Mr. Villar also said that aside from the dredging activities at the bay, the DPWH is also conducting cleanup and declogging of the tributaries and drainage canals in Manila City. This is being undertaken in coordination with other agencies such as the Department of Environment and Natural Resources (DENR), Metropolitan Manila Development Authority (MMDA), and the Philippine Coast Guard. "We are working harmoniously with the DENR, the MMDA, other mandamus agencies and local government units for a holistic approach in cleaning Manila Bay. These tributaries or *esteros* and drainage pipes need to be cleaned and unclogged, as trash from these areas will eventually make their way to Manila Bay," he said.



# Desilting of Manila Bay

By **BETHEENA KAE UNITE**

Massive desilting to rehabilitate Manila Bay has begun.

Various equipment such as amphibious excavators, dumping scows, dump trucks, debris segregator, and vacuum sewer jet cleaners were deployed in Manila Bay Tuesday, marking the first day of dredging operations tasked to the Department of Public Works and Highways (DPWH).

The mission dubbed "DPWH Sagip Manila Bay," according to Secretary Mark Villar, will cover approximately 1.5-kilometer stretch of Manila Bay from Manila Yacht Club breakwater to the US Embassy.

An estimated 225,000 cubic meters of silt will be removed across the area, the secretary said.

"This event marks the full-blast dredging within this critical section of Manila Bay. Our Bureau of Equipment, regional and district engineering offices in Metro Manila have deployed a total of 28 equipment, and 50 personnel to operate 16 hours a day, six days a week," Villar said.

Excavation, Villar added, will be the major mechanism for the removal of the accumulated pollutants in Manila Bay. They are

aiming to desilt within 150 meters from the shoreline of Manila Bay.

Desilting activities in Manila Bay will be divided into five sectors, each ranging from 200 to 300-meter long, until the entire 1.5-kilometer is finished, according to Bureau of Equipment Director Toribio Noel Ilaó.

Each sector will be desilted approximately within 90 to 120 days, Ilaó added.

The department will also coordinate with the Department of Environment and Natural Resources (DENR) and Philippine Coast Guard in monitoring Manila Bay using bathymetric or depth measurement survey, water quality test, and ocular inspection.

It is also the role of the DPWH to conduct clean-up and declogging of tributaries and drainage canals in Manila City.

"These tributaries or esteros and drainage pipes need to be cleaned and unclogged, as trash from these areas will eventually make their way to Manila Bay," Villar said.

In February, President Duterte has ordered the creation of the Manila Bay Task Force composed of various government agencies to ensure the expedited and complete rehabilitation, restoration, and conservation of the coastal and marine ecosystem of the Manila Bay.

## begins



**SECRETARY** Mark Villar leads the formal launching of desilting and dredging of Manila Bay Tuesday. (Ali Vicoy)



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# Manila Standard



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## Herbalife Nutrition PH joins Manila Bay Cleanup Drive

HERBALIFE Nutrition Philippines officials, employees and distributors recently took part in the Manila Bay Cleanup Drive, an initiative in line with the nutrition company's corporate philosophy and sincere objective of advocating worthwhile causes that benefit the community.

Herbalife Nutrition Philippines general manager Rosalio Valenzuela, along with his family, as well as Corporate Communications Manager Barbette Soliven took part in the activity, which saw the volunteers cleaning the Baywalk Area from the United States Embassy to Rajah Sulayman area. Herbalife Nutrition is a global nutrition company whose purpose is to make the world healthier and happier by providing its customers access to quality nutrition products and personalized wellness programs that would improve their lives daily.

Herbalife Nutrition is a global nutrition company whose purpose is to make the world healthier and happier. The company has been on a mission for nutrition—changing people's lives with great nutrition products and programs—since 1980. Together with Herbalife Nutrition independent members, it is committed to providing solutions to global trends of poor nutrition and obesity, a population that wants to age in a healthier manner, skyrocketing public healthcare costs as well as providing an opportunity to meet the needs of the rising number of entrepreneurs.

Herbalife Nutrition offers high quality, science-backed products, one-on-one coaching with an Herbalife Nutrition independent member, and a supportive community approach that inspires customers to embrace a healthier, more active lifestyle.

The company's direct sales model provides individuals with an entrepreneurial business opportunity to be their own boss and work either full or part-time.

Herbalife Nutrition's targeted nutrition, weight-management, energy and fitness and personal care products are available exclusively to and through its independent members in more than 90 countries.

Herbalife Nutrition supports the Herbalife Nutrition Foundation and its more than 130 community-based Casa Herbalife Nutrition programs around the globe that help bring good nutrition to children. The Company and HNF also provide aide to organizations focused on the general wellness of communities such as the American Cancer Society, Save The Children and the American Red Cross.



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### **Villar, pinuri ang donasyon ng lupa para sa mga residente na apektado ng Manila Bay clean up**

**PINURI** ni Sen. Cynthia Villar ang Philippine Ports Authority (PPA) sa donasyon na limang ektaryang lupa sa Tondo, Manila bilang relocation site ng may 2,400 pamilya na nakatira sa Parola at Isla Puting Bato.

Hinimok ni Villar, chairperson ng Committee on Environment and Natural Resources, ang PPA na ayusin ang tumataas na bilang ng informal settlement sa baybayin sa Maynila na hindi lamang nakaaapekto sa magandang operasyon ng pantalan kundi nagiging hadlang din sa paglilinis sa Manila Bay.

Noong nakaraang linggo, kasama ni Villar sina Speaker Gloria Macapagal-Arroyo, Manila Mayor Joseph Estrada, Department of Transportation Sec. Art Tugade, Cong. Manuel Lopez, Cong. Albee Benitez, at PPA General Manager Jay Santiago sa paglagda sa Memorandum of Understanding sa PPA, National

Housing Authority, City Government of Manila, International Container Terminal Services, at Manila North Harbour Port Inc. kaugnay ng donasyon ng lupa.

Ang kasunduan ay resulta ng pagpupulong ng House Oversight Committee on Housing upang tugunan ang pagkabalang sa pagpapalabas ng titulo sa beneficiaries ng urban poor housing proclamations na inisyu noong panahon ni Pangulong Arroyo.

May 2,200 housing units ang itatayo sa 37 low-rise to mid-rise buildings sa ibinigay na lupa. Magbibigay din ang PPA ng P1 billion bilang inisyal na pondo sa paggawa ng housing units.

Nangako rin si Villar na magkaloob ng livelihood projects sa mga residente kapag nakalipat na sila sa relocation site. Ito ay katulad ng mga proyektong ginagawa niya sa Baseco Compound, Tondo.

(Mylene Alfonso)



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**Public Works and Highways Secretary Mark Villar and Environment Secretary Roy Cimatu look at two remote-operated sewer inspection cameras that will identify establishments releasing untreated water to Manila Bay. Officials launched desilting and dredging operations on a 1.5-kilometer stretch of Manila Bay at the Manila Yacht Club yesterday. Story on Page 10.**

EDD GUMBAN





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**SINISIYASAT** nina DENR Secretary Roy Cimatu at DPWH Secretary Mark Villar ang dalawang remote camera na gagamitin sa pag-detect ng basura sa loob ng imburnal sa pagsisimula ng desilting at dredging ng 100 metro sa seawall ng Manila Bay sa pagitan ng US Embassy at ng Manila Yacht Club.  
Kuha ni **NORMAN ARAGA**



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**SAGIP MANILA BAY.** Public Works Secretary Mark Villar, Environment Secretary Roy Cimatu, and former President and Manila Mayor Joseph Estrada (from left) lead the launch of desilting operations under the Sagip Manila Bay Program at Baywalk Roxa Blvd., Manila on Tuesday, March 5. An estimated 225,000 cubic meters of silt will be removed initially from a 1.5-kilometer stretch of Manila Bay from the Manila Yacht Club breakwater to the United States Embassy in Manila. **PNA**



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**SAGIP MANILA BAY. SINAKSIHAN** ng mga namuno sa iba't ibang ahensiya ng gobyerno ang pagsimula ng desilting operations sa Baywalk Roxas Blvd., Manila kahapon. **Kuha ni AVITO DALAN**



Department of Environment and Natural Resources  
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# HATAWA!

**D'YARYO NG BAYAN**  
<http://www.hatawtabloid.com> P10.00

  
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# HATAWA!

**D'YARYO NG BAYAN**

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**SINIMULAN** ng Department of Environment and Natural Resources (DENR) at Department of Public Works and Highways (DPWH) ang 100-meter dredging sa seawall ng Manila Bay sa pagitan ng US Embassy at Manila Yacht Club sa pagpapatuloy ng Manila Bay rehabilitation kahapon. Nasa larawan sina Manila Mayor Joseph Estrada, Secretary Mark Villar ng DPWH, at Secretary Roy Cimatu ng DENR. (BONG SON)



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# BULGAR

**BOSES ng PINOY, MATA ng BAYAN**

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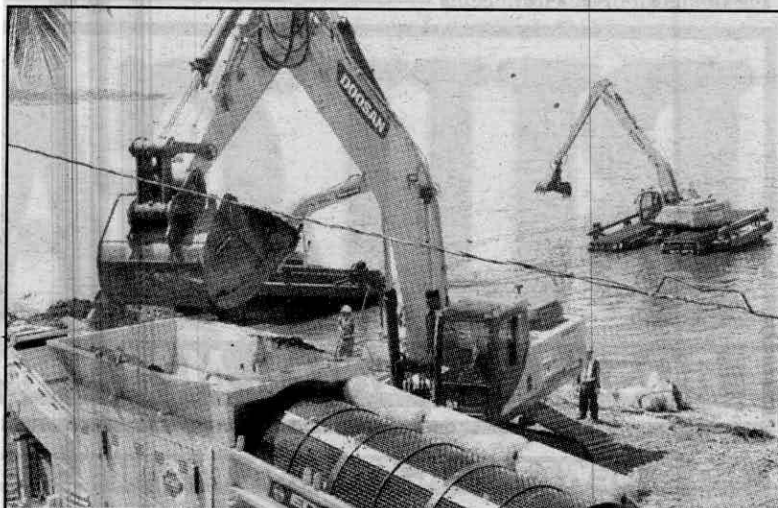
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*SINIMULAN na kahapon ang pag-dredging o paghuhukay sa dagat kung saan nasa ilalim ang tambak na basura at burak sa seawall ng Manila Bay sa pagpapatuloy ng rehabilitasyon ng naturang dagat. Ayos 'yan!*  
(Jun Guillermo)





Department of Environment and Natural Resources  
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# Balita

ANG NANGUNGUNANG PAHAYAGANG TAGALOG SA BAYSA

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## HUKAYIN NA 'YANI!

Pinangunahan ni Public Works Secretary Mark Villar ang pormal na pagsisimula ng paghuhukay at pagpapalalim sa Manila Bay, may 100 metro mula sa seawall nito, kahapon.

ALI VICIOY



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## San Miguel spending P1B for Tullahan River cleanup

Conglomerate San Miguel Corp. (SMC) is spending as much as P1 billion for the extensive cleanup of the Tullahan River system as part of the government's efforts to rehabilitate Manila Bay.

SMC president and chief operating officer Ramon S. Ang said the listed company would provide the Department of Environment and Natural Resources (DENR) P1 billion to fund the massive cleanup effort.

"We hope to inspire more companies to step up and actively participate in the government's cleanup drive. The Tullahan river is crucial to bringing back the glory of the Manila Bay," Ang said.

Ang and Environment Secretary Roy Cimañu signed the landmark memorandum of agreement (MOA) for the comprehensive dredging and cleanup of the 59.24-km tributary that starts from the La Mesa Reservoir and traverses the cities of Valenzuela and Malabon, before reaching the mouth of Manila Bay through Navotas City.

"We are proud to partner with the DENR on this project. In the last couple of months, we have seen what can be done when our government has both political will and a clear understanding of what can be done to make a difference," Ang said.

Ang said the project is a perfect example of the kind of environmental progress that the public and private sector can achieve together.

Under the five-year agreement, SMC would implement a dredging and cleanup plan provided by the DENR to reduce solid wastes and floating debris and lend equipment, manpower, and funding for equipment operations such as fuel and logistics costs.

The conglomerate will assist in the community mobilization activities of the

DENR and install a trash trap, transfer dredged materials, and install signages in relation to the rehabilitation program.

San Miguel, which operates the country's oldest brewery in Polo, Valenzuela, has for many decades been dredging the Tullahan River.

In the past, it also donated backhoes and a barge to local government units, among many other efforts. Its wastewater facilities in its plant also help ensure clean water makes it back to the river.

"Despite our best efforts to make the Tullahan a living, vital waterway, and even as we have managed to lessen the flooding during the rainy season by removing silt and garbage, the problem is too big," Ang said.

"When you think of the Tullahan, you think of a dead river, an eyesore and a health hazard. But with the leadership and resolve of DENR Secretary Roy Cimañu and President Duterte, we know all this will change, just like in Boracay and the Manila Bay", he said.

Ang is confident that with the support of the DENR, LGUs and local residents, the project will be a success.

During the six-month closure of Boracay, San Miguel provided government support by making its employee-volunteers at the Boracay airport in Caticlan, available for the cleanup effort.

It also adopted two of nine wetlands that filter inland wastewater before it moves to the sea.

Recently, the company announced that it had saved 7.7 billion liters of water under its "Water For All" program, which aims to reduce the company's water footprint by 50 percent by year 2025.

The results mean San Miguel and its subsidiaries cut their water use by 23 percent in 2018, beating by two years its 2020 interim target of 20 percent reduction.

- Lawrence Agcaoili



## Cimatu: Boracay rehab still a work in progress

**E**NVIRONMENT Secretary Roy A. Cimatu is asking for patience in relation to the snail-paced rehabilitation of Boracay, four months after it was reopened in October last year.

"We know the roads are still dusty. We ask for patience, [the Boracay rehabilitation] is still a work in progress," Cimatu said in a statement.

The Boracay Inter-Agency Task Force (BIATF) recently held its second meeting for 2019 in Taguig City.

"The task force members still meet regularly to monitor the implementation of our plans in restoring the island and review policies or regulations," he added.

As secretary of the Department of Environment and Natural Resources (DENR), Cimatu chairs the BIATF.

Secretaries Eduardo Año of the Department of the Interior and Local Government (DILG) and Bernadette Romulo Puyat of the Department of Tourism (DOT) serve as cochairs.

Aside from regular meetings, officials of the 11 BIATF member-agencies have been regularly visiting the island to personally check on the rehabilitation's progress, according to the DENR.

Part of the ongoing progress on the island, which Cimatu reported on, was the expected completion by June of a government hospital that would address the medical needs of tourists and workers alike.

He added that the Department of Public Works and Highways (DPWH) would soon eliminate "unsightly overhead "spaghetti" cables and place them underground.

The DPWH has been working closely and extensively with electric companies in relocating electric poles affected by the road widening.

### Accomplishments, plans

DPWH Assistant Regional Director Jose Al V. Fruto said that in the first phase of the rehabilitation, the agency had completed the 4-kilometer stretch of the main road from Cagban Jetty Port to the Elizalde property, as well as the 600-meter road along Bulabog beach.

Fruto added that the agency aims to make 5 kilometers of sidewalks walkable by mid-March and a total of 15 to 20 kilometers of roads completed by the end of the two-year rehabilitation period.

Meanwhile, Puyat reported that as of February 18, the DOT had accredited more than 300 establishments, equivalent to more than 11,600 rooms.

Permission has also been granted for the conduct of three events on the island, including a fashion week from April 29 to May 1.

On the other hand, the DOT has barred cruise ships from visiting the island on the following dates: April 16 to April 23, which includes Holy Week; for the rest of the sum-

mer from April 24 to May 31; for observance of All Saints and All Souls Days, from October 26 to November 8; and, for the conduct of the Southeast Asian Games from November 23 to December 19.

### For demolition

CIMATU also confirmed that both the DENR and the DILG have identified for demolition 10 establishments that have been noncompliant to regulations on easement along the beach and road.

Those named were: Boracay Plaza Resort, Willy's Rock Resort, Little Prairie Inn, Watercolors Dive Shop, Blue Lily Hotel, True Home, Exclusive Dawn VIP Boracay Resort, New Wave Divers, Steve's Cliff and Calveston International.

The environment chief said that some of the resorts continued to operate despite violations. They would be given 15 days to self-demolish or have their properties demolished by the government.

Año said that this was a "time of reckoning" for some of the violators who had failed to finish demolishing their properties, and for others who had adopted a "wait and see" stance towards the demolition.

The DILG chief also stated that law-enforcement agencies have already formed a task group to "implement to the letter all ordinances and regulations in the discipline zone." **Jonathan L. Mayuga**



Department of Environment and Natural Resources  
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THE EXPONENT OF PHILIPPINE PROGRESS  
SINCE 1900

# MANILA BULLETIN

THE NATION'S LEADING NEWSPAPER



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# Firefighters alerted for possible forest fires

By **MIKE U. CRISMUNDO**

**B**UTUAN CITY – The regional office of the Department of Environment and Natural Resources (DENR) based here on Tuesday mobilized all its firefighters throughout the region in an effort to stop forest fires that might occur due to the El Niño-induced dry spell.

DENR 13 Regional Executive Director (RED) Felix S. Alicer ordered all the five Provincial Environment and Natural Resources Offices (PENROs) and 12 Community Environment and Natural Resources Offices (CENROs) in the five provinces and six cities in Northeastern Mindanao or Caraga region to place on “standby alert” their respective fire brigades.

With 700,000 hectares of remaining

natural forests, Region 13 is home to the fourth largest area of forest in the country.

About 64,729 hectares are considered as closed forest where the trees are dense. There are 26,731 hectares of mangrove stand most of which are located at the coast of Surigao del Sur. This figure on mangrove and forest in production has changed due to the successful implementation of the Enhanced National Greening Program (E-NGP).

Under a directive of Environment Secretary Roy Cimatu, the region’s DENR chief also ordered his field officials to give priority to vulnerable sites inside protected areas and those that have been rehabilitated under the E-NGP.

Last year, the DENR central of-

ficial upgraded its forest firefighting capabilities with the acquisition of more firefighting equipment and tools, such as fuel-powered grass cutter, collapsible fire pump, fire swatters, pick and scrape shovels, axes, rake hoes, fire helmets, heat resistant goggles, brush masks, and thermal working gloves.

Fire brigades in ENGP sites are to be fully optimized using the manpower pool of forest rangers (FRs) of 12 personnel in each CENRO, and 25 FRs in every PENRO, with the help of at least 100 emergency workers hired under the “Lawin Forest and Biodiversity Protection System”.

Under the Lawin system, forest areas at risk of threats such as forest fires, timber and wildlife poaching and illegal occupancy are being mapped and profiled.





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## Wild fires

In the United States, small brush fires have turned into conflagrations that engulfed entire communities, causing death, injury, displacement and massive destruction.

The Philippines, with the tropical summer heat just starting to be felt, has already seen three forest rangers dying in a fire that struck Benguet last week. Apart from causing deaths, wild fires endanger reforestation efforts and can wipe out protected forests.

Government environmental personnel have been ordered to be on alert for any wild fires that may erupt. Nothing can be considered too small; a conflagration can result from a lit cigarette that is carelessly flicked away and lands in a pile of bone-dry grass.

Vigilance is needed especially because the country has pitifully limited firefighting capability in whatever environment. Chemical and forest fires are particularly challenging, even in the US. Such fires need special equipment to place under control. The lack was glaring when

### EDITORIAL

a fire engulfed the Kentex factory manufacturing rubber slippers in Valenzuela in May 2015. Trapped in the factory, 74 people died.

With weather experts warning of a stronger El Niño episode ahead, there is a higher risk of wild fires devastating the country's already depleted forests. The Department of Environment and Natural Resources has deployed its personnel to conduct monitoring and coordinate with other government agencies in implementing measures to prevent forest fires.

Local government units have a key role to play in such actions. Public cooperation is also critical. With the onset of summer, camping, trekking and similar activities will peak. Those who engage in these activities must see to it that they do not endanger the environment. Similar reminders must be given to those who reside in or near forested areas, especially those who make a living out of forestry. Careless and irresponsible behavior can cause grievous destruction and the loss of lives.





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Department of Environment and Natural Resources  
STRATEGIC COMMUNICATION INITIATIVES SERVICE

# Burning garbage illegal, warns group

A zero-waste advocacy group yesterday warned that burning household garbage and other wastes in the open can cause fire and pollution that can endanger people's health and lives.

The group cited Republic Acts (RA) 9003 (Ecological Solid Waste Management Act) and 8749 (Clean Air Act) as two major environmental laws banning and penalizing open burning.

Section 48 of RA 9003, in particular, lists "the open burning of solid waste" as one of the prohibited acts punishable with a fine of P300 to P1,000 or imprisonment for one to 15 days, or both.

To draw attention to this public health and environmental menace, the group released a new poster that says "Stop Burning Garbage."

**Penalties for waste burning may include 15 days in jail.**

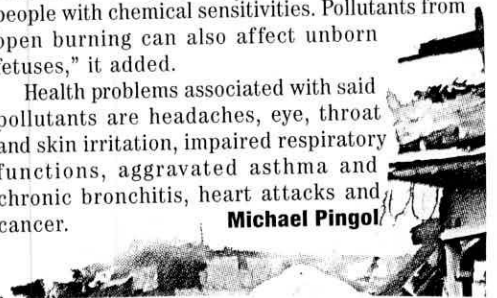
"Open burning, especially during the dry and hot season, can cause destructive fires in our communities, generating toxic smoke and ash," the organization emphasized.

"It can cause particulate matter pollution, as

well as dioxin pollution, that can trigger illness, especially among young children, the elderly and people with chemical sensitivities. Pollutants from open burning can also affect unborn fetuses," it added.

Health problems associated with said pollutants are headaches, eye, throat and skin irritation, impaired respiratory functions, aggravated asthma and chronic bronchitis, heart attacks and cancer.

**Michael Pingol**





## 4 truck driver inaresto sa illegal solid waste dumping

APAT na dump truck driver ang inaresto ng pulisya dahil sa iligal na pagtatapon ng mga solid waste material sa hindi tamang lugar sa Gen. Trias City, Cavite.

Kinumpiska rin ng mga awtoridad ang apat na dump truck na ginamit sa pagtatapon ng mga solid waste material.

Sinampahan ng kasong paglabag sa Section 48 ng Ecological Solid Waste Management Act of 2000 ang mga inarestong dump truck driver na kinilalang sina Gilbert Natural, 37; Rafael Zandro Dacir, 29; Christian Himawas, 23; at Jobert Natural, 44, pawang residente ng Tanza, Cavite.

Sa ulat ni Police SSgt. Armine Matron ng Gen. Trias City Police Station, dakong alas-12:00 nang



tanghali kamakalawa nang sunod-sunod na pumasok ang apat na dump truck na puno ng mga solid waste material sa Brgy. Alingaro, Gen. Trias City at itinapon saka sinunog ang mga kargang basura.

Inaresto ng mga bantay bayan ang apat na dump truck driver dahil wala sa listahan ang Brgy. Alingaro sa pinagtatapanan ng mga basura. **(Gene Adsuara)**



WWF-Philippines National Ambassadors Rovilson Fernandez and Iza Calzado and WWF-Philippines National Youth Ambassador Janine Gutierrez stand with WWF-Philippines President and CEO Joel Palma, WWF-Philippines Climate and Energy Program Head and Earth Hour Pilipinas National Director Atty. Gia Ibay and Youth Programme and AIS Development Executive of the Boy Scouts of the Philippines Yasser Sarena.

## Earth Hour PH 2019 shed lights on plastic pollution

BY BRIGETTE MANALANG

THE Philippines joins Earth Hour 2019 as World Wildlife Fund (WWF) aims to raise awareness about single-use plastic and to take care of Earth's biodiversity.

One of the largest and most respected independent conservation organizations that promote saving the Earth's natural environment, the WWF started the global movement "Earth Hour" which recognizes the role of empowered individuals in helping solve the planet's environmental challenges for a sustainable future for all.

With Earth Hour now on its 12th year, the WWF celebrates the second year of the global #Connect2Earth theme that declares #AyokoNgPlastik to help reverse nature's loss. The organization encourages millions of Filipinos to turn off their lights including in public places, building establishments, and households in support of Earth Hour thus shedding light on conserving nature and biodiversity.

The country's lights-out event will be held on March 30, Saturday, at the Globe Circuit Event Grounds in Makati from 5:00- 10:00PM, with the actual switch-off at 8:30 PM. Everyone in the country is encouraged to join the rest of the world in switching off from 8:30 to 9:00 PM. At least 3,000 boy scouts will be deployed to the event which will feature activities, booths, and performances in honor of the planet.

The WWF hopes to spread awareness about ending the use of single-use plastic which is now considered as one of the biggest threats to biological diversity in the country.

"The Philippines is known as the 3rd major plastic polluter of oceans in the world and we Filipinos must unite and create concrete steps to stop this worsening situation. We have to realize how nature is vitally important in our daily lives and preventing single-use plastics from entering nature is a big step towards a greener, more sustainable planet," said WWF-Philippines President and CEO Joel Palma.

The Kick-off event of Earth Hour 2019 was held on February 28 in Discovery Suites in Ortigas. The Boy Scout of the Philippines (BSP) inked a memorandum of agreement with WWF-Philippines and National Ambassadors Rovilson Fernandez and Iza Calzado, as well as National youth Ambassador Janine Gutierrez who renewed their contracts to reaffirm their declaration of support to ensure a living planet for future generations.



## Environmental group calls for ban on single-use plastics

**GREENPEACE** activists yesterday followed a garbage barge through the coast of Manila Bay carrying tons of plastic wastes then unfurled banners with the words "STOP SINGLE-USE PLASTIC" on the side of the barge in protest of plastic pollution.

"While citizens are trying to clean-up our beaches, waterways and communities of all the plastic garbage and debris, plastic production continues to rise and overwhelm us. The plastic crisis is a growing monster. Clean-up activities are not enough. We have to stop single-use plastic at source if we really want to protect our environment and ourselves," Greenpeace Southeast Asia -Philippines campaigner Abigail Aguilar said.

The protest came following the visit to Manila of Greenpeace flagship Rainbow Warrior, which is sailing next to Cebu in its global "Ship It Back" campaign tour.

The tour aimed at calling the attention of fast-moving consumer goods corporations against peddling single-use packaging.

Greenpeace pointed out that consumers are being blamed for the massive plastic pollution in waterways. The group insisted that big corporations, mostly headquartered in Europe and the US, produce the massive amounts of single-use plastic packaging.

Since 2017, Greenpeace, as part of the bigger Break Free from Plastic movement, named and shamed big fast-moving consumer goods corporations who are producing products wrapped in single-use, unrecyclable plastic packaging.

Last year, the report "A Crisis of Convenience" implicated top brands, and said "the promotion of branded products – food, drink, cosmetics and cleaners – in one-way packaging, is one of the drivers of mass production, over-consumption and is significantly contributing to the plastic pollution crisis."

"These FMCG corporations take tons of profit from people who buy their goods in many small amounts. And they leave the tons of plastic garbage for citizens like us to dispose of ourselves. It's a broken system: from massive plastic production, to the encouragement of throw-away habits among consumers, to failing garbage disposal. But FMCG companies have the resources and technology to invest in more sustainable delivery methods. What citizens and governments are doing right now is not enough. We should all pitch in to do more," Aguilar said.

**Jun I. Legaspi**



## Drought to hit more provinces

By HELEN FLORES

More provinces are expected to experience drought in the next two months due to El Niño, the Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) warned the public yesterday.

Ana Liza Solis, chief of the PAGASA climate monitoring and prediction section, said the dry spell would affect Occidental and Oriental Mindoro, Palawan, Ilocos Sur as well as La Union this month.

Ilocos Norte, Zamboanga del Sur, Zamboanga Sibugay, Maguindanao and Cebu have been experiencing drought since February, according to Solis.

Turn to Page 6

## Drought From Page 1

She said drought-hit areas may reach 22 by April.

Zamboanga City was declared under a state of calamity due to El Niño.

The city council approved yesterday the recommendation of the local Disaster Risk Reduction Management Office (DRRMO) after more than 55 hectares of land with an estimated value of P1.265 million were affected by the dry spell.

The city agriculture office earlier reported that around P7 million worth of rice, corn and vegetables were damaged.

DRRMO chief Elmeir Apolinario said about P13 million was allocated to help cushion the impact of the dry spell.

### Water summit set

A water summit to address drought in Ilocos is slated next week as Gov. Imee Marcos called for immediate actions to mitigate the impact of El Niño.

Marcos said the summit aims to put in place measures and provide the necessary assistance to areas affected by the dry spell.

"The dry spell would trigger widespread drought. We must be proactive in helping our farmers who will bear the brunt of El Niño," she said.

She reiterated her call for the grant of LIFE or living income for farmers in emergency situations in affected areas.

"Local government units in affected areas need the national government's assistance to help farmers survive," she said.

Marcos said the government should release emergency funds in times of

natural calamities such as El Niño.

Farmers in Laoag City started harvesting their crops earlier than scheduled.

Provincial Sustainable Development Office head Edwin Cariño said farmers and representatives from the Department of Agriculture, National Irrigation Authority and Philippine Rice Research Institute are expected to attend the summit.

PAGASA defines drought as three consecutive months of "way below normal" rainfall or less than 60 percent reduction from average rainfall.

The country is experiencing less rainfall and warmer temperatures due to a "weak" El Niño, which is expected to last until end of May or June.

The state weather bureau has yet to officially announce the start of the dry season. The weather agency declares the dry season once the easterlies – or warm air from the Pacific – become the dominant wind system in the country.

PAGASA weather forecasters earlier said a longer dry season is expected this year due to El Niño.

Several areas have been experiencing warm temperatures in the past days.

On Monday, PAGASA recorded the highest temperature so far this year in Tuguegarao City, Cagayan at 34 degrees Celsius.

The hottest temperature in Metro Manila reached 33.6 degrees Celsius.

Earlier, Solis said the temperature might reach 38.2 degrees Celsius in Metro Manila and 40.7 degrees Celsius in Tuguegarao City in May.

Below normal rainfall is likely to continue over most parts of Luzon until June, she said. – **With Roel Pareño, Jose Rodel Clapano**





# Dry days ahead for Metro residents

**As water level at La Mesa Dam dips to critical level,  
Manila Water announces 'adjustment scheme' for customers**

**By Ronnel W. Domingo**  
@RonWDomingoINQ

Parts of eastern Metro Manila and Rizal province may experience low water pressure or no water at all starting today, March 6.

In an advisory, Manila Water Co. Inc. attributed the situation to the dipping water level at La Mesa Dam that had reached critical level because of limited rainfall.

According to the Philippine, Atmospheric, Geophysical and Astronomical Services Administration (Pagasa), the water line at the dam was pegged at 69.47 me-

ters above sea level (masl) as of 6 a.m. on March 5.

La Mesa's normal high water level—or the point at which it spills water—is at 80.15 masl.

#### **Below spilling level**

At Angat Dam, from which La Mesa Dam gets its stock, the water level was pegged at 202.85 masl, also lower than its spilling level of 210 masl.

"We may have to implement this (supply adjustment scheme) until the rains come," Manila Water spokesperson Jeric Sevilla told the Inquirer.

Sevilla said the peak hours for

water consumption varied in different areas although these were generally between 8 a.m. and noontime.

"We advise our customers to store water during hours when they have water [coming out of their taps] to [stock up] for the times when they might not have a supply," he added.

Affected consumers are those living in some barangays in Marikina, Pasig, Quezon City and Taguig, all in Metro Manila; as well as Antipolo, San Mateo, Rodriguez, Taytay and Jalajala in Rizal province.

Manila Water is implement-

ing the measure also in light of Pagasa's advisory that the El Niño climatic phenomenon—which brings dry conditions to the Philippines—is currently prevailing although it is a weak occurrence.

#### **Maynilad unaffected**

Maynilad Water Services Inc. has not announced similar measures since it relies mainly on Ipo Dam for its raw water supply.

The water level at Ipo Dam on Tuesday was at 100.96 masl, still near its spilling level of 101 masl. Even then, Ipo Dam also gets its stock from Angat Dam. INQ

### **BARANGAYS IN METRO MANILA, RIZAL WITH LOW WATER PRESSURE OR ZERO SUPPLY STARTING MARCH 6**

**Taguig:** Bagong Tanyag, Bambang, Central Bicutan, Central Signal Village, Hagonoy, Ibayo-Tipas, Katuparan, Lower Bicutan, New Lower Bicutan, North Signal Village, Santa Ana, South Signal Village, Tuktukan, Upper Bicutan, Ususan, Wawa and Western Bicutan  
**Pasig:** Caniogan, Kalawaan, Palatiw, Pinagbuhatan, Sagad, San Joaquin and San Miguel  
**Marikina:** Fortune, Nangka and Tumana

**Quezon City:** Pasong Tamo and Sacred Heart  
**Antipolo, Rizal:** Dalig, San Jose, San Luis and San Roque  
**Rodriguez, Rizal:** San Jose  
**San Mateo, Rizal:** Ampid I, Ampid II, Banaba, Dulong Bayan 1, Dulong Bayan 2, Guitnang, Bayan I, Guitnang Bayan II, Malanday, Maly, Mayamot and Santa Ana  
**Taytay, Rizal:** Santa Ana  
**Jalajala, Rizal:** Punta and Sipsipin



# Water summit sought

Drought is now exacting a heavy toll on farms nationwide as a top official of one of the worst-hit areas, Ilocos Norte, called for a water summit next week to plan out mitigating measures against El Niño.

"We must be proactive in bringing help to our farmers," Ilocos Norte Gov. Imee Marcos said in a statement.

The Philippine Atmospheric, Geophysical and Astronomical Services Administration (Pagasa) had identified several provinces already experiencing drought—Ilocos Norte, Zamboanga del Sur, Zamboanga Sibugay, Maguindanao, Sulu, Bukidnon, Basilan, Lanao del Norte and Lanao del Sur.

This meant three consecutive months of 60 percent rainfall reduction or five consecutive months of at least 21 percent rainfall reduction.

## Early harvest

In Laoag City, farmers have started harvesting crops earlier than scheduled before these are laid to waste by high temperatures.

Edwin Cariño, Ilocos Norte Sustainable Development Office head, said the summit should gather representatives of farmers, the academe, research centers, irrigators group and agriculture officials.

Cariño said at least five measures were ready for implementation—rain harvesting, switching to short-gestation crops, use of enhanced fertilizers with better water-retention properties, installation of pond liners to col-



WILLIAMOR MAGBANUA

**NO WATER** Corn crops in the town of M'lang, North Cotabato province, have started to wither due to the drought.

lect water and the use of gray water to avoid wastage and maximize water use.

Assistance, Marcos said, must be targeted at "critical areas."

"We must release emergency funds for our farmers," she said.

She said local government units, like that of Ilocos Norte, needed help from the national government to assist farmers.

## State of calamity

In North Cotabato, the Provincial Disaster Risk Reduction and Management Council (PDRRMC) was set to recommend the declaration of a state of calamity to the provincial board after officials estimated that crop damage caused by lack of rainfall had already reached P300 million since January.

Arnulfo Villaruz, PDRRMC action officer, said the estimate could still go up as officials awaited damage reports from the towns of Makilala, Magpet and Arakan.

Most upland farms in North

Cotabato are rain-fed, according to Villaruz.

Of 13 towns hit by the extreme weather in North Cotabato, five had already declared themselves to be in a state of calamity—M'lang, Tulanang, Pikit, Alamada and Aleosan.

## Task force

In the province of Albay, the agriculturist's office has already created Task Force El Niño.

Farms, according to agriculturist Che Rebeta, are now suffering from water shortage "as the temperature is becoming hotter and hotter."

The provincial government was also planning to distribute water pumps to farmers, Rebeta said.

In the town of Libon, Albay, municipal agriculturist Alejo Serrano said hundreds of hectares of rice farms had already been damaged by drought.

—REPORTS FROM  
WILLIAMOR MAGBANUA AND  
MICHAEL B. JAUCIAN INQ



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# Manila Standard

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# Imee calls for Water Summit

By Rey E. Requejo

**S**ENATORIAL candidate and Ilocos Norte Gov. Imee Marcos is calling for a Water Summit next week to plan out El Niño mitigating measures and mobilize immediate assistance for affected regions as PAGASA warns the public to brace for a full-blown El Niño this month.

"The dry spell will trigger widespread drought. We must be proactive in bringing help to our farmers who will bear the brunt of El Niño in affected areas. *Sagip buhay dapat tayo ngayon sa ating mga magsasaka,*" said Marcos, who is also the chairman of the Regional Peace and Order Council.

PAGASA identified several provinces already experiencing drought, namely Ilocos Norte, Zamboanga del Sur, Zamboanga

Sibugay, Maguindanao, Sulu, Bukidnon, Basilan, Lanao del Norte and Lanao del Sur. This means three consecutive months of 60 percent rainfall reduction or five consecutive months of at least 21 percent rainfall reduction in drought-stricken areas.

In Laoag City, Ilocos Norte, farmers have started harvesting their crops such as corn earlier than scheduled before these are laid to waste by the high temperatures.

Ilocos Norte's Sustainable Development Office head Edwin Cariño said the summit will gather representatives of various farmer and crop grower federations, the academe, research centers, and associations of irrigators in the province and concerned officials of the Department of Agriculture, National Irrigation Authority and Philippine Rice Research Institute.

Cariño said at least five measures are readily implementable to mitigate the impact of El Niño: rain harvesting; switching to short-gestation crops that do not require abundant water such as monggo, watermelon and pechay; use of enhanced fertilizers that have better water-retention properties; installation of pond liners to collect water and serve as reservoirs; and the use of gray water to avoid wastage and maximize water use.

"Interventions must be put in place, targeted to pour assistance in critical areas and funded immediately and properly. We must act quickly to save our farmers and agricultural production from El Niño's disastrous onslaught," said Marcos.

She also repeated her call for the grant of living income for farmers in emergency situations (LIFE ) in affected areas. "Our LGUs in affected areas direly need the national government's assistance to help our farmers survive," Marcos added.

"We must release emergency funds for our farmers, especially since our countrymen are just recovering from record-high inflation rates last year," she added. Marcos said government agencies should be able to release quick response funds in times of disasters like El Niño even if the damage does not involve infrastructure.



# FIGHT DROUGHT NOW — GOV. IMEE

**ILOCOS Norte Gov. Imee Marcos is calling for a Water Summit next week to plan out El Niño mitigating measures and mobilize immediate assistance for affected regions as PAGASA warns the public to brace for a full-blown El Niño this month.**

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El Niño is also expected to bring "way below normal" rainfall in some parts of the country that may significantly lower the water supply in major dams in Luzon, including Angat Dam in Norzagaray, Bulacan. Angat Dam supplies 98 percent of Metro Manila's water requirement and powers a hydroelectric power plant. Hydro-electric plants are also seen to generate less output because of the water shortage which, in turn, can cause outages in some parts of the country.





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Water summit to address drought in Ilocos slated next week

**Gov. Imee Marcos calls for immediate action to mitigate impact of El Niño**

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**TONIGHT**



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### Hirit sa gobyerno

## 'WATER SUMMIT' KONTRA EL NIÑO

HINILING sa gobyerno na magsagawa ng solusyon sa napipintong krisis sa panahon ng El Niño phenomenon, partikular ang pagsulong ng "water summit".

Nanawagan si Ilocos Norte Governor Imee Marcos sa gobyerno na agad magbigay ng tulong sa mga magsasaka sa bansa na direktang tataman ng El Niño.

Dapat umanong maghanda ang bansa sa nasabing tagtuyot na magsisimula ngayong Marso, lalo at nagbabala ang PAGASA sa publiko ng pinsalang iduldulot nito sa mga pananim.

Una nang sinabi ng PAGASA na ang mga probinsiya ng Ilocos Norte, Zamboanga del Sur, Zamboanga Sibugay, Maguindanao, Sulu, Bukidnon, Basilan, Lanao del Norte at Lanao del Sur ay matinding tataman ng El Niño, na ang ibig sabihin ay 60% na hindi makararanas ng ulan ang mga probinsiyang ito.

Sa Laoag City, Ilocos Norte, sinimulan na ng mga magsasaka na anihin ang

kanilang mga pananim tulad ng mais upang hindi na magsasaka ng mataas na temperatura.

Samantala, isinailalim na sa 'state of calamity' ang buong Zamboanga.

Kasunod ito sa pag-aaprubang Zamboanga City Council sa rekomendasyon ni City Disaster Risk Reduction and Management Office (CDRRMO) Head Dr. Elmer Apolinario na ilagay na sa state of calamity ang siyudad dahil sa tinding epekto sa nararanasang 'weak El Niño' o mahinang panahon ng tagtuyot.

Ayon kay Shiela Cobarubias, tagapagsalita ng Zamboanga City, nakararanas na ng epekto ang weak El Niño sa mga pananim na palay, gulay at iba pang klase ng pananim.

Gayunman, paliwanag ni Cobarubias, may nakalaan naman silang aabot sa P53 milyong pondo para sa kalamidad gaya nito.

Ipinanukala na rin umano ni City Social Welfare and Development (CSWD) Chief

Carmencita Sanchez, ang pagpapalabas ng P33 milyon para gamiting pang-ayuda sa mga magsasaka na maaapektuhan ng naturang kalamidad.

(Jeff Tumbado)



### Si Imee at ang El Niño

Nanawagan si Ilocos Norte Gov. Imee Marcos, para magsagawa ng "Water Summit" para planuhin ang mga maaring problemahin ng madlang Pinoy ngayong El Niño at matulungan ang mga rehiyon para bigyang babala ang publiko tungkol sa maaring mangyari.

Nag-aalala si Imee tungkol sa mararanasang tagtuyot kaya kailangang planuhin na agad habang maaga pa lang ang mga maaring maitulong sa mga magsasaka sa mga El Niño affected areas.

"Sagip buhay dapat tayo ngayon sa ating mga magsasaka," sabi ni Imee.

Tinukoy ng PAGASA, ang mga probinsiyang nakakaranas ng tagtuyot tulad ng Ilocos Norte, Zamboanga del Sur, Zamboanga Sibugay, Maguindanao, Sulu, Bukidnon, Basilan, Lanao del Norte at Lanao del Sur.

Sa Laoag City, inumpisahan na ng mga magsasaka na i-harvest ang kanilang mga tinanim na mais para hindi masira ang mga ito.

"We must release emergency funds for our farmers, especially since our countrymen are just recovering from record-high inflation rates last year," sabi ni Marcos.

'Ano sa palagay ninyo tama ba si Imee?' tanong ng kuwagong magtatalong.

Abangan.



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POSIBLENG dumoble pa ang bi-  
lang ng mga lalawigang makarara-  
nas ng matinding init bunsod ng El  
Niño phenomenon.

**SUNDAN SA PAHINA 15**

## **TATAMAAN NG EL NIÑO DODOBLE**

*Mula sa pahina 16*

Ayon kay Pagasa  
Climate Monitoring  
Chief Analiza Solis, sa  
kasalukuyan ay limang  
probinsiya na ang naka-  
raranas ng tagtuyot sim-  
ula pa nitong Pebrero.

Kabilang dito ang

Ilocos Norte, Zamboan-  
ga del Sur, Zamboanga  
Sibugay, Maguindanao  
at Cebu.

Habang inaasahan  
na rin ng Pagasa na  
maaapektuhan na ng  
matinding tagtuyot ang  
Occidental Mindoro,

Oriental Mindoro, Pala-  
wan, Ilocos Sur at La  
Union ngayong buwan.

Dagdag ni Solis,  
posibleng dumami pa  
ang mga lalawigang  
makararanas ng ma-  
tinding init pagsapit ng  
Abril. **DWIZ882**



KAHAPON, tinalakay natin ang niyog na pang-gagalingan ng enerhiya para sa transportasyon at makinarya.

Ang niyog, pwedeng pagkunan ng katumbas ng diesel at gasolina.

Mayaman tayo sa niyog at pwede pang pagyamanin ito kung magagawa nating maging katumbas ng diesel at gasolina ito.

Kung magagawang diesel at gasolina ang niyog, pupwede nating pagandahin ang pagtanim nito.

Sa Pilipinas, nasa 4,000 buko lang ang ating ani pero sa India, nasa 10,000.

Kayang gawin ito kung gusto natin.

**PANG-DIESEL, PANG-GASOLINA**

Masisipag ang ibang bansa na mag-aral kung paano ikumbert o gawing diesel at gasolina ang langis ng niyog.

Sa isang pag-aaral, aandar ang makinang diesel sa langis ng niyog kung unang paandarin ito sa diesel at kung uminit na pakakawalan naman ang langis ng niyog para sa tuloy-tuloy na pag-andar nito.

Bago patayin ang makina, papasukin ulit ang diesel.

Sa makinang pang-gasolina, pwedeng gamitin ang 100 porsyentong lambanog ng niyog.

Sa katunayan, gumagamit na tayo ng niyog, langis at alak sa niyog bilang pandagdag sa mga binibili nating diesel at gasolina sa mga gasoline station.

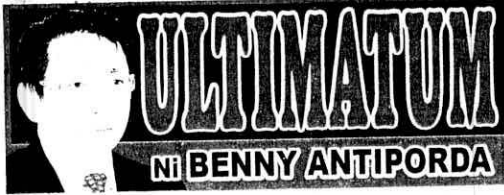
**HINDI LANG SOLAR**

Dahil sa pagmamahal natin sa kalikasan na hindi dapat masira dahil sa mga polusyong ibinubuga ng mga diesel at gasolina, dapat na makilahok nang husto ang mga eskwela natin sa pagtuklas kung paano gamitin ang niyog.

Malayong mas malinis ang hanging ibinubuga ng mga makina gamit ang niyog kumpara sa galing sa diesel at gasolina mula sa krusado.

Sa ngayon, pineperpekto ng La Salle University ang init o liwanag ng araw na pampaandar ng makina at katunayan, sumasali na sila sa mga kontes sa ibang bansa sa pagpapatakbo ng solar na sasakyan.

Paano naman kaya ang State Universities and Colleges gaya ng



**NI BENNY ANTIPORDA**  
**BASURANG NIYOG AT BIOFUELS NG PINAS**

Polytechnic University of the Philippines at University of the Philippines na kilalang tagalikha ng mga siyentistang Pinoy?

Napakarami rin tayong mga science high school na pupwedeng sumali rito.

**EKSPERTO NG PAMAHALAAN**

Iba pa mismo ang mga eksperto mula sa pamahalaan.

Huwag sabihin ng mga siyentista na opisyal at empleyado ng pamahalaan na zero ang kaalaman nila sa paggamit ng niyog bilang biofuels.

Nariryan ang mga chemical engineer at iba kaugnay ng inhinyero rito.

Nariryan din ang mga makinarya o laboratoryo ng gobyerno na gagamitin para sa pag-develop ng biofuels mula sa niyog.

At maaaring makasama rito ang University of the Philippines-Los Baños at iba pang SUC sa Kabisayaan at Mindanao na nasa paligid lang nila ang milyon-milyong puno ng niyog.

Sa halip na ibuhos ng mga estudyante at propesor ang mga pampulitika nilang pananaw laban sa ayaw nilang Pangulo ng Pilipinas, pupwede nilang ibaling ang kanilang mata, pawis at araw para sa pagpapaulad ng biofuels na kailangan ng mahal nating Pinas.

Kabilang dito ang pagtuklas ng mga magagandang uri at mabububugang niyog at paglikha ng mga langis ng niyog bilang biofuels.

**MGA BASURA NG NIYOG**

Pinupuntahan natin ang mga magkokopra, mga Bro.

Tambak ang basura ng mga ito gaya ng mga balat ng niyog at bao.

Nariryan din ang mga nabubulok na puno ng niyog na natumba pa mula sa mga bagyo, kasama ang mga sanga ng mga ito.

Kung magbiyak sila ng buko, itinatapon lang din ang sabaw.

Lahat ng ito ay basura kung basta na lang itinatapon.

Mga solido at likidong basura.

Paano kaya kung ikumbert nang maramihan bilang mga plato, panalok ng tubig, baso, orinola, bahagi ng bahay at iba pa ang mga bao ng niyog?

Paano kung gawing tali, baro, sako at iba pa ang mga balat ng niyog?

Ang mga sabaw ng niyog, paano ba gawing mga epektibong gamot, suka, inumin at iba pa.

**PAPEL NG GOBYERNO**

Sa totoo lang, ang gobyerno ay may malaking papel sa pakikipambuno sa niyog bilang source ng biofuels, gamot, pagkain, damit, pang-industriya na gamit, pampamilya at pang-komersyong gamit.

Sa salitang gobyerno, mga Bro, iniisip natin ang mga pambansang pamahalaan, ang Kongreso, ang mga lokal na pamahalaan, ang mga SUC, ang science school, ang Technical Education and Skills Development Authority, Philippine National Oil Company at marami pang iba.

Kung kikilos lamang ang lahat ng ito para sa pagtuklas at paggawa ng niyog bilang source ng enerhiya, may magaganap na malaking pangyayari sa Pilipinas para makatipid sa pagangkat ng mga produktong petrolyo na marumi na, napakamahal pa.

Makalilikha rin ang gobyerno ng mga oportunidad sa negosyo sa hanay ng mga mag-sasaka, kasama na ang walang katapusang empleyo.

Uunlad na ang milyon-milyong magniniyog, makakokolekta pa ang gobyerno ng mga buwis na kailangan hindi lang para sa mga magniniyog kundi para sa iba gaya ng kapakanan ng ibang mahihirap at para sa pagpapaulad ng Build, Build, Build program ng pamahalaan.

oOo

Anomang reaksyon o reklamo ay maaaring iparating sa 0922840-3333 o i-email sa banti-porda@yahoo.com.



10 Miyerkoles, 06 Marso 2019 **HATAW**

## Kauna-unahang fully-electric sports car sa mundo

**PATULOY** ang inisyatiba ng Porsche para sa electromobility.

Kasunod ng produksiyon ng pamoso nilang Porsche Taycan, ilulunsad ang kauna-unahang purely-electric electric sports car bago magwakas ang taong kasalukuyan, at sa planong pagpasok ng kanilang four-door version din ng **Taycan Cross Turismo**, kinompirma ng German carmaker na magiging fully-electric din ang next-generation Porsche Macan.

Ayon sa Porsche, "magsisimula ang produksiyon ng electric next-generation Macan sa susunod na dekada" sa planta nito sa Leipzig, sa lugar na inia-assemble ang Porsche Macan.

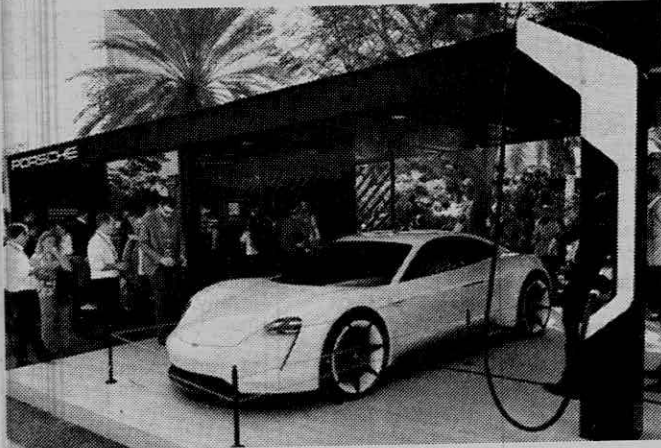
"Electromobility and Porsche go together perfectly; not just because they share a high-efficiency approach, but especially because of their sporty character," ani Oliver Blume, chairman ng Board of Management ng Porsche AG.

"By 2022, we will be investing more than six billion euros in electric mobility, and by 2025, 50 percent of all new Porsche vehicles could have an electric drive system. Nevertheless, over the next ten years, we will focus on a drive mix consisting of even further optimized petrol engines, plug-in hybrid models, and purely electrically operated sports cars. Our aim is to take a pioneering role in technology, and for

### KINALAP NI TRACY CABRERA

this reason we will continue to consistently align the company with the mobility of the future," dagdag ni Blume.

Sa mga ulat, dinoble ng Porsche ang planong production capacity para sa Taycan, ang unang electric vehicle ng sikat na car manufacturer, at aabot ito sa nakalululang



40,000 units kada taon, batay sa isang German report.

Bago rito, aabot lang sa 20,000 unit ang magiging produksiyon ng Taycan kada taon, ngunit nagdesisyon ang German premium automaker na baguhin ito sa harap ng paubos na supply ng fossil fuel at pagtaas ng presyo ng langis sa merkado.





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**SAY MO ATTORNEY?**



**By ATTY. PERSIDA RUEDA-ACOSTA**  
KGG. na Chief Acosta,

May batas po ba na nagbabawal sa pangongolekta at pagbebenta ng mineral deposits mula sa ating mga kuweba?

**Lubos na gumagalang, Iris**

**Dear Iris,**

Para sa inyong kaalaman, ang batas na nakasaklaw sa iyong katanungan ay ang Republic Act (R.A.) No. 9072 o mas kilala sa tawag na "National Caves and Cave Resources Management and Protection Act". Nakasaad sa Section 7 na:

"Section 7. Prohibited Acts - The following shall be considered Prohibited Acts.

(b) Gathering, collecting, possessing, consuming, selling, bartering or exchanging

**Mineral deposits na nakukuha sa kuweba**

ing or offering for sale without authority any, cave resource; and"

Samakatuwid, ipinagbabawal ng batas na ito ang pangongolekta ng mga resources mula sa ating mga kuweba nang walang kaukulang pahintulot. Nakasaad din sa R.A. No. 9072, partikular sa Seksyon 8 nito, ang mga kaparusahan sa paglabag sa batas na ito. Ayon sa nasabing probisyon, ang sinumang lumabag ay maparurusahan ng kulong ng dalawang (2) taon hanggang anim (6) na taon. Maaari rin silang magmulat ng halagang P20,000 hanggang P500,000.

Maaari ring maipataw ang parehong kaparusahan batay sa diskresyon ng korte. Higit pa rito, ang sinumang nagbigay ng kapital para maisakatuparan ang mga ipinagbabawal ng batas na ito ay maparurusahan ng kulong ng anim (6) na taon at isang (1) araw hanggang walong (8) taon o

pagmultahin ng halagang P500,000 hanggang P1 milyon. Maipapataw ang parehong parusa base sa diskresyon ng korte.

Nawa ay nasagot namin ang inyong mga katanungan. Nais naming ipaalala sa inyo na ang opinyon na ito ay nakabase sa inyong mga naisalaysay sa inyong liham at sa pagkakaintindi namin dito. Maaaring maiba ang opinyon kung mayroong karagdagang impormasyon na ibibigay. Mas mainam kung personal kayong sasangguni sa isang abogado.

Maraming salamat sa inyong patuloy na pagtitiwala.

**Ang inyong Lingkod Bayan,**  
**DR. PERSIDA V. RUEDA-ACOSTA, DSD**  
**Punong Manananggol Pambayan**

*Paunawa:*

*Isangguni ang iba pa ninyong usaping legal sa aming opisina sa address na nakasaad sa pitak na ito o*

*kaya ipadala ang inyong katanungan sa aming e-mail address: [pao\\_executive@yahoo.com](mailto:pao_executive@yahoo.com) o tumawag sa PAO hotline: (02) 426-2801; 426-2450; 426-2987; o 929-9436 local 106 o 107 during office hours at local 159 after office hours.*

*Ang mga serbisyong legal ng PAO gaya ng legal advice, court representation, pagsasagawa ng dokumento, notaryo at iba pa ay libre at walang bayad mula sa kliyente ng PAO sang-ayon sa R.A. 9406 (PAO Law). Sang-ayon din sa nasabing batas, ang katungali o kalaban sa kaso na matatalo ang magbabayad ng attorney's fee sa PAO para ideposito sa National Treasury. Maaaring isumbong kay Chief Acosta ang sino mang public attorney o empleyado ng PAO na manghihingi o tatanggap ng salapi mula sa kliyente ng PAO sa address na ito: 5th Floor, DOJ Agencies Building, NIA Road corner East Avenue, Diliman, Quezon City, 1104.*



## Ordinance makes mandatory courtesy seats for PWDs, elderly, preggy women

**QUEZON City Mayor Herbert Bautista has approved an ordinance requiring courtesy seats for Persons With Disability (PWDs), pregnant women and senior citizens in all private and public establishments.**

Ordinance No. 2804 specifically provides courtesy seats to these individuals for their better safety and comfort while inside the establishments.

The ordinance explained that there is still a need to extend additional reasonable accommodation despite the existence of national laws and other ordinances establishing special lanes and other privileges to the persons with special needs.

The measure also mandated establishments to seat signage so that other people are aware that in case the designated seats are occupied, they should be given to PWD, pregnant women or senior citizens.

Owners, managers, and operators of private estab-

lishments who fail to implement the new policy shall receive a notice of warning for the first offense. A fine of P5,000 and six-month suspension of business permit on the second offense, and a fine of P5,000 and revocation of business permit on the third offense shall be meted out to violators.

All government institutions in QC like Office for Senior Citizens Affairs (OSCA), Persons with Disability Affairs Office (PDAO) and the Social Services Development Department (SSDD) are not exempted from the penalty.

Meanwhile, the QC government has donated adjustable wheelchairs to children with cerebral palsy and hydrocephalus in commemoration of the National Intellectual Disability Week.

A total of 13 children from different barangays received the modified wheelchairs. **Joel dela Torre**