

13 OCTOBER 2021, WEDNESDAY



# NEWS ALERTS

STRATEGIC COMMUNICATION AND INITIATIVES SERVICE





# Climate Change Adaptation Measures to Benefit Coastal Communities

by [Village Connect](#) about 12 hours ago

The poster features logos for ATSEA, IGES (Institute for Global Environmental Strategies), PEMSEA (Partnerships in Environmental Management for the Seas of East Asia), and EAS CONGRESS 2021 (The East Asian Seas Congress). The title is "Climate Change Adaptation for Coastal Communities: LEARNING FROM EAST ASIA AND ARAFURA AND TIMOR SEAS REGIONS". The date and time are "25 October 2021, 9:00 - 11:30 AM (GMT+8) • Zoom Webinar".

**SPEAKERS**

- Ms. Aimee Gonzales**, Executive Director, PEMSEA Resource Facility, **OPENING REMARKS**
- Dr. Johanna Johnson**, Director, C20 Consulting
- Ms. Cristine Ingrid Narcise**, Policy and Result-Based Management Specialist, ATSEA-2
- Ms. Nisakorn Wiwekwin**, Integrated Coastal Management Program Coordinator, Saensuk Municipal Office, Saensuk Municipality, Chonburi, Thailand
- Dr. Handoko Adi Susanto**, Regional Project Manager, Arafura and Timor Seas Ecosystem Action Phase II (ATSEA-2), **CLOSING REMARKS**
- Dr. Brian Johnson**, Deputy Director, IGES
- Mr. Ikbal Alexander**, Director, Kertabumi Recycling Center
- Dr. Prabhakar Sivapuram**, Research Manager, Natural Resources and Ecosystem Services, IGES, **MODERATOR**
- Ms. Nagisa Shiiba**, Policy Researcher, Adaptation and Water Area, IGES, **MASTER OF CEREMONIES**

The bottom of the poster features an illustration of people on a globe, symbolizing global impact and community.

Countries in the East Asian Seas (EAS) region and its neighboring Pacific countries are highly vulnerable to rising sea levels due to its low-lying communities and densely populated coastal cities. Additionally, the region also has the highest proportion of weather-related disaster displacement in the world. A recent climate change vulnerability assessment for the Arafura and Timor Seas (ATS) region has also identified hotspots (or highly vulnerable marine habitats) and species in the region.

In response, several climate change adaptation (CCA) initiatives have emerged in the EAS and ATS regions. These include the implementation of climate-responsive integrated coastal management (ICM) and the application of a practical CCA decision-making guidance document for policy-makers and other stakeholders. Lessons learned and good practices generated from these efforts will be shared amongst the EAS and ATS network through a virtual pre-2021 EAS Congress collab that will discuss best practices and enable their replication across other sites.

Titled “**Climate Change Adaptation for Coastal Communities: Learning from East Asia and Arafura and Timor Seas Regions,**” the webinar will be held on October 25, 2021 from 9:00 am to 11:30 am (GMT+8) and is organized by the GEF/UNDP/PEMSEA Arafura and Timor Seas Ecosystem Action Phase II (ATSEA-2) Project. Co-organizers are the Partnerships in Environmental Management for the Seas of East Asia Resource Facility (PRF) and the Institute for Global Environmental Strategies (IGES) of Japan.



The event aims to: (1) raise awareness and have better understanding of climate change impacts on coastal communities in the EAS and ATS regions; (2) share climate change vulnerability assessment results and introduce a decision-making guide developed for the ATS region; (3) showcase best practices and share lessons learned from the EAS and ATS regions in developing and/or implementing local climate change adaptation strategies; and (4) contribute to enriching discussions and synergies toward CCA efforts in support of the EAS region's Sustainable Development Strategy for the Seas of East Asia (SDS-SEA), the ATS region's Strategic Action Programme (SAP), as well as the bigger objectives of the United Nations Framework Convention on Climate Change (UNFCCC).

Featured key speakers include:

- o [Brian Johnson](#), Deputy Director, IGES
- o [Johanna Johnson](#), Director, C20 Consulting
- o [Cristine Ingrid Narcise](#), Policy and Result-Based Management Specialist, ATSEA-2
- o [Nisakorn Wiwekwin](#), ICM Program Coordinator, Saensuk Municipal Office, Chonburi, Thailand
- o [Ikbal Alexander](#), Director, Kertabumi Recycling Center

Participants will include climate change scientists and practitioners, local decision-makers, and coastal community members from the EAS and ATS regions. The event is also open to the general public and comes at no cost.

Interested individuals are advised to register for the event through this [link](#) by **21 October 2021 (11:59 PM, GMT+8)** to receive the Zoom details. For regular updates about other EAS Congress events, kindly visit <https://eascongress2021.pemsea.org>.



# 3 DENR C. Luzon execs cleared of graft charges

By Benjamin Pulta October 12, 2021, 2:50 pm



**MANILA** – The Sandiganbayan has cleared three officials of the Department of Environment and Natural Resources (DENR) in Region III of graft charges filed 13 years ago.

The anti-graft court acquitted Regidor De Leon, regional executive director; Leonardo Aggabao Jr., regional technical director; Fernando Clerigo, an engineer, in a 2008 complaint for alleged violation of Republic Act 3019, otherwise known as the Anti-Graft and Corrupt Practices Act, according to an 11-page decision written by Associate Justice Oscar Herrera Jr. on October 8 and recently published online.

Complainants Jaime Lazaro, Salvador Osita and Monico Waje of Barangay Boltok in Sta. Cruz, Zambales claimed the trio canceled their survey plans without notice and hearing and before the scheduled ground verification survey, thus giving unwarranted benefits to contractor DMCI.

The complaints said the three officials misrepresented that a property, which they claimed they own, was submerged and part of the South China Sea and have become part of the foreshore, when in truth the same is actually situated in a land mass and not under water.

The questioned property was part of the 2,756 sqm area being developed and declared alienable and disposable by the City Environment and Natural Resources Office (CENRO) in Masinloc, Zambales.

Ruling for the DENR officials, the anti-graft court said "there was no showing whatsoever that the cancellation of the survey plans of private complainants was an unnecessary, improper or illegal invasion of a legally protected interest".

"On the contrary, the evidence indicate that it was intended to rectify or correct the erroneous approval of the survey plans of private complainants," the court ruled.

The tribunal also said it was unclear how the complainants were deprived of the chance to have their lease application approved by the court, noting that CENRO-Masinloc issued a certification, stating that Waje and Osita have no application for foreshore lease or any other public land applications. **(PNA)**



# Sandiganbayan acquits 3 ex-DENR Region III officials of graft charges

Published October 12, 2021, 4:45 PM by [Jel Santos](#)



Sandiganbayan

The Sandiganbayan has acquitted three former Department of Environment and Natural Resources (DENR) Region-III officials of graft charges for reportedly giving unwarranted benefits to a land developer over a foreshore property in Zambales.

Cleared of graft charges were Regidor M. De Leon, regional executive director; Leonardo Z. Aggabao Jr., regional technical director for lands; and Fernando S. Clerigo, engineer III and regional chief of survey.

The complaint against them were filed by Jaime Lazaro, Salvador Osita, and Monico Waje. With the acquittal of the former DENR officials, the Sandiganbayan ordered the Bureau of Immigration to remove the names of De Leon, Aggabao, and Clerigo from the watch-list.

The anti-graft court also ordered the release of the P30,000 bail paid by each of the them to the regional trial court in Gapan City, Nueva Ecija for their temporary liberty.

They were charged with “manifest partiality and evident bad faith” for allegedly conniving to favor DMCI Holdings, Inc. in the reported irregular cancellation of survey plans belonging to the complainants.

But the Sandiganbayan said the prosecution failed to prove all the elements of the offense charged.

“Neither is there any clear showing that in the cancellation of the aforesaid survey plans, the three accused misrepresented that the subject lots are submerged and under water and part of South China Sea,” it said referring to the order issued by Aggabao in January 2008 ordering the cancellation of the said survey plans.

Sandiganbayan noted that the very text “Order” means that “it was signed only by Aggabao in his capacity as regional technical director of DENR Region III.”

As such, the court noted that the signatures of De Leon and Clerigo are not found on the “Order” and that they were neither referenced there.

“The cancellation of the survey plans was upon recommendation of Special Investigator I Rowena G. Magat, Land Management Inspector Joel D. Dicatoria and Forest Ranger Donito E. Pascual, all of the Community Environment and Natural Resources Office (CENRO), Masinloc, Zambales,” the court pointed out.





“There was no mention in the Order dated January 15, 2008 that the cancellation of the survey plans of private complainants was because they are submerged or underwater and part of the South China Sea,” it stressed.

It ruled that there was no evidence that De Leon and Clerigo conspired with Aggabao in the cancellation of the survey plans of the complainants for the benefit of DMCI Holdings, Inc.

The decision was written by Associate Justice Oscar C. Herrera Jr. and concurred in by Associate Justices Michael Frederick L. Mungi and Bayani H. Jacinto.



## 3 DENR execs lusot sa kasong graft



October 12, 2021 @ 7:11 PM 10 hours ago

MANILA, Philippines – Pinawalang sala ng Sandiganbayan ang tatlong opisyal ng Department of Environment and Natural Resources (DENR) Region 3 mula sa mga kasong graft na isinampa 13 taon na ang nakararaan.

Sa desisyon ng anti-graft court, pinawalang sala sina Regidor De Leon, regional executive director; Leonardo Aggabao Jr., regional technical director; at Fernando Clerigo, isang inhinyero, sa isang reklamo noong 2008 dahil sa umano'y paglabag sa Republic Act 3019, na kilala bilang Anti-Graft and Corrupt Practices Act, ayon sa isang 11-pahinang desisyon na isinulat ni Associate Justice Oscar Herrera Jr. noong Oktubre 8 at kamakailan lamang nai-publish sa online.

Ang mga nagrereklamo na sina Jaime Lazaro, Salvador Osita at Monico Waje ng Barangay Boltok sa Sta. Cruz, Zambales na kinansela umano ng tatlo ang kanilang mga plano sa survey nang walang abiso at pagdinig at bago ang naka-iskedyul na survey sa ground verification, kung kaya't nagbibigay ng hindi kanais-nais na mga benepisyo sa kontratista ng DMCI.

Ang mga reklamo ay nagsabi na ang tatlong mga opisyal ay maling paglalarawan na ang isang pag-aari, na inaangkin nilang pagmamay-ari nila, ay nakalubog at bahagi ng South China Sea at naging bahagi ng foreshore, kung sa totoo lang ang parehong ay matatagpuan sa isang lupain at hindi sa ilalim ng tubig .

Ang kinuwestiyong pag-aari ay bahagi ng 2,756 sqm area na binuo at idineklarang alienable at disposable ng City Environment and Natural Resources Office (CENRO) sa Masinloc, Zambales.

Ayon pa sa ulat sa pagpasiya para sa mga opisyal ng DENR, sinabi ng anti-graft court na “walang ipinapakita na ang pagkansela ng mga plano sa survey para sa mga pribadong nagrereklamo ay isang hindi kinakailangan, hindi wasto o iligal na pagsalakay sa isang ligal na protektadong interes”.

“On the contrary, the evidence indicate that it was intended to rectify or correct the erroneous approval of the survey plans of private complainants,” ayon sa pasya ng korte.

Sinabi din ng tribunal na hindi malinaw kung paano pinagkaitan ng pagkakataon ang mga nagrereklamo upang maaprubahan ng kanilang korte ang aplikasyon sa pag-upa, na binabanggit na ang CENRO-Masinloc ay naglabas ng sertipikasyon, na nagsasaad na sina Waje at Osita ay walang aplikasyon para sa foreshore lease o anumang ibang pampublikong lupa. mga aplikasyon. **Santi Celario**

Source: [https://www.remate.ph/3-denr-execs-lusot-sa-kasong-graft/?fbclid=IwAR3LWDgtUgVQ422fVUFXxOqQ5Z9BaQe69Jw7\\_LY05QE3Zqi1LhgCp5hMVvg](https://www.remate.ph/3-denr-execs-lusot-sa-kasong-graft/?fbclid=IwAR3LWDgtUgVQ422fVUFXxOqQ5Z9BaQe69Jw7_LY05QE3Zqi1LhgCp5hMVvg)

## Accident reveals illegal lumber haul

Nearby residents said that the driver and his companion was picked up by an SUV that was escorting the truck

Published 1 day ago on October 12, 2021 04:30 AM

By [Jonas Reyes](#)



CAPAS CITY, Tarlac — A total of 3,000 board feet of premium Narra flitches were seized by the Department of Environment and Natural Resources Community Environment and Natural Resources Office (CENRO) and the Concepcion Municipal Police Station after the hauling truck had an accident along the Subic-Clark-Tarlac Expressway (SCTEX) on Sunday.

According to Monitoring and Enforcement Section of CENRO Capas chief Alfredo Nepacena, the seized premium Narra flitches were worth over P290,000, adding that they received a report that a vehicular accident occurred along the Concepcion and Luisita toll gates of SCTEX in Barangay Tinang in Concepcion town, involving a truck loaded with Narra flitches.

“We initially had a hard time locating the vehicle, and sought the assistance of PNP (Philippine National Police) Concepcion, SCTEX security personnel and the Municipal Environment and Natural Resources Office of Concepcion in search of the truck,” Nepacena said.

He added that when they got to the accident site, the lumber was abandoned with most of the Narra flitches and bunches of banana fruits were left scattered along the expressway, causing slight traffic congestion.

He cited that the lumber was presumed illegally sourced, since there were no legal documents accompanying the shipment, while nearby residents said that the driver and his companion was picked up by an SUV that was escorting the truck.

Both the lumber and the vehicle are currently impounded at the CENRO Capas and will undergo administrative adjudication proceedings to determine who are liable for violation of Presidential Decree 705 or the Forestry Reform Code of the Philippines.



# Duterte asked to stop reclamation project in Consolacion

By [Mitchelle L. Palaubsanon](#) (The Freeman) - October 13, 2021 - 12:00am



The workers, who staged a week-long protest two weeks ago, called for the project termination.

CEBU, Philippines — More than 2,000 shipyard workers in Consolacion town, Cebu have called on President Rodrigo Duterte to stop the implementation of the 234.80-hectare mixed-use Seafront City Project in Barangay Tayud.

The workers, who staged a week-long protest two weeks ago, called for the project termination. They said they will lose their jobs once the project construction starts.

“What will happen to us and our families then? Where do we go from here since ship building and ship repair are all that we know?” read a portion of their petition.

Vice Mayor Teresa Alegado, who was the municipal mayor when the project was conceptualized, vowed to pursue with the project.

She is seeking the mayoralty post, which is currently occupied by her son, Mayor Joannes Alegado, in next year’s elections. The younger Alegado is the second nominee of Ako Bisaya Partylist.

Teresa has envisioned the Seafront City that will complement with the 25-hectare New International Container Port in the same barangay.

She said this will generate thousands of jobs and will transform Consolacion into an economic and tourism hub in the entire Cebu.

In a statement, the workers said that copies of their petition will be sent to the Department of Environment and Natural Resources (DENR), Philippine Reclamation Authority (PRA), Department of Labor and Employment (DOLE), and Municipality of Consolacion.

Workers coming from six of the eight shipyards in Barangay Tayud said the project should not be allowed to proceed contending they were not consulted on this. Workers in the remaining shipyards have not signed the petition yet as they are still not organized.

The workers, in their petition, added that the shipyard companies have contributed millions to the town’s coffer and to the local economy.



They claimed that the shipyard companies, which will also be facing closure once the reclamation project commences, and the maritime sector will be greatly affected.

“The shipyards in Barangay Tayud also cater to hundreds of ships, both privately or government-owned. Where will these vessels go for repair if our shipyards are replaced with reclaimed land?. Imagine the project's effects on the maritime industry and the safety of vessels using the Cebu North Channel,” the petition read.

Aside from the possible loss of livelihood, the workers also expressed concerned on the project’s impact on the environment once the foreshore lands are reclaimed.

In earlier interview, Mayor Alegado said the project would create great opportunities and endless possibilities most especially in terms of business or economy, education, health, and tourism, among others.

“We will be fostering and undertaking a smart and a green city in the near future. We are being proactive here and we are leading the way,” the mayor added. — KOD (FREEMAN)



# NHM bares 'alarming' PHL biodiversity loss until 2050

BYCAI ORDINARIO OCTOBER 11, 2021



This photo was an entry to the Zooming in on Biodiversity Photo Contest, an Asean-wide photo competition held by Asean Centre for Biodiversity, with support from the European Union.

The country's natural biodiversity will continue to deteriorate and is expected to be below 60 percent intact by 2050, according to the Natural History Museum's (NHM) Biodiversity Intactness Index.

NHM explained that the Biodiversity Intactness Index estimates how much, on average, of a region's natural biodiversity is still left.

It is an estimated percentage of the original number of species that remain and their abundance in any given area despite impacts of human activities.

"If the Biodiversity Intactness Index is 90 percent or more, the area has enough biodiversity to be a resilient and functioning ecosystem," NHM said.

"If the Biodiversity Intactness Index is 30 percent or less, the area's biodiversity has been depleted to such an extent that it is below the most generous boundary of what is needed for a functioning ecosystem," it explained.

The BII is estimated based on five Shared Socioeconomic Pathways (SSPs) that include global projections of wealth, population, education, technology and reliance on fossil fuels.

SSP1 is on Sustainable development; SSP2 is Middle of the road development; SSP3 is on Regional rivalry; SSP4 on Inequality; and SSP5, Fossil-fuelled development.

For SSP1, the estimate showed the BII of the country is at 62.27 percent in 2021. This has deteriorated from 65.38 percent in 2000.

The country's biodiversity will deteriorate to 62.01 percent in 2031 and 61.57 percent in 2041 before reaching 61.26 percent by 2050.

"Between 2000 and 2050 the BII changes from 65.38 percent to 61.26 percent, with a difference of -4.12 percentage points," NHM said.

In terms of SSP2, the BII of the country is at 62.03 percent in 2021. This has deteriorated from 65.38 percent in 2000.

The country's biodiversity will deteriorate to 61.78 percent in 10 years and 61.3 percent in 20 years before reaching 60.33 percent by 2050.





“Between 2000 and 2050 the BII changes from 65.38 percent to 60.33 percent, with a difference of -5.05 percentage points,” the study stated.

For SSP3, it was estimated that the country’s BII was at 62.17 percent in 2021. This will deteriorate to 61.76 percent in a decade.

By 2041, the BII will decline further to 61.28 percent and reach 60.86 percent by 2050.

“Between 2000 and 2050 the BII changes from 65.38 percent to 60.86 percent, with a difference of -4.52 percentage points,” NHM said.

In terms of SSP4, the country’s BII is at 62.14 percent this year and will deteriorate to 61.7 percent by 2031.

The biodiversity loss of the Philippines will continue to 60.76 percent in 2041 and 59.78 percent by 2050.

NHM said the BII change to 59.78 percent by 2050 would have a difference of -5.59 percentage points from the 2000 level of 65.38 percent.

For SSP5, the BII of the Philippines will be at 62.09 percent in 2021 and will deteriorate to 61.52 percent in 10 years. This will continue to worsen to 60.55 percent in 2041 and 60.02 percent in 2050.

“Between 2000 and 2050 the BII changes from 65.38 percent to 60.02 percent, with a difference of -5.36 percentage points,” NHM said.

NHM said the Biodiversity Intactness Index complements other indicators that are based on species’ global conservation status or population trends.

These different measures of biodiversity can be combined to provide a roadmap towards restoring global biodiversity.



# Green groups to e-commerce giants: Less plastic, please

By: [Jhesset O. Enano](#) - Reporter / [@JhessetEnanoINQ](#)

[Philippine Daily Inquirer](#) / 05:04 AM October 12, 2021



**DELIVERY SERVICE** In this photo taken in August, a courier drops off packages at the entrance of a subdivision in Bacoor City, Cavite province. While courier services have become essential during the pandemic, environmental groups have called on e-commerce firms to be mindful of the plastic waste generated by their businesses. —LYN RILLON

**MANILA, Philippines** — Environment and climate groups have scored two e-commerce giants for failing to be more mindful of their plastic footprint despite calls from consumers and small businesses to cut down on single-use plastics in their packaging.

Following the Oct. 10 sale held by Lazada and Shopee, environmental campaigners said that both remain silent on demands to change their plastic-heavy business, despite warnings that it would worsen the impacts of plastic pollution on public health and the environment.

In September, Greenpeace Philippines sent a letter to the two online shopping platforms to amplify the calls of concerned citizens to reveal, reduce and redesign their businesses.

A petition headed by Youth Strike for Climate Philippines and signed by nearly 15,000 people also called on both companies to develop policies to ensure the “rational reduction of unnecessary plastic packaging” such as excessive bubble wraps and multiple layers of plastics in their packages.

## 12 minutes

“Once our orders reach our doorsteps ... we are also confronted with another problem: unnecessary plastic packaging waste. It takes an average of just 12 minutes for plastic packaging to transfer from consumer hands to the trash bin,” the petition read. It was also pointed out that the COVID-19 pandemic had already magnified the plastic pollution crisis in the country.

The signatories urged Lazada and Shopee to help small to medium-sized eco-friendly vendors by providing incentives to those who would reduce or eliminate plastics from their products and packaging. They also challenged the companies to think about reuse models for their packages, similar to those being practiced in other countries.

According to Greenpeace, neither of the e-commerce giants has so far responded to the issues raised. Lazada’s partner public relations agency only acknowledged the letter while Shopee “completely ignored” the demands.

In the Philippines, the use of e-commerce has doubled during the COVID-19 pandemic, with reports showing a 55-percent growth in its market value in 2020. Analysts said that by 2025, Filipinos using e-commerce were forecast to reach 55.8 million.



## Record profits

“With every sale they hold, Lazada and Shopee rack up record profits while leaving Filipinos to shoulder [the] cleanup for the tons of plastic packaging they caused,” said Greenpeace Philippines campaigner Jefferson Chua.

“All we are asking is for a commitment [from] these companies to start reducing [the amount of] plastic they use by working with sellers to review their plastic usage and implementing a business policy to halt the use of inessential plastic packaging,” he added.

The two e-commerce giants, said Chua, should invest in sustainable solutions already exhibited by small and medium enterprises, such as providing returnable and reusable packaging for their products.

“While we recognize the role e-commerce industries play during the pandemic, their lack of accountability and initiatives to be more sustainable is only worsening the plastic crisis,” said Ecowaste Coalition campaigner Coleen Salamat.

“The petition shows that there is [a] strong clamor from consumers for Lazada and Shopee to lead the shift toward an e-commerce industry sensitive to the current situation of our planet,” she added. INQ





## DREDGER VESSEL GAMIT SA RIVER QUARRY SILAT

APARRI, Cagayan – Kumpiskado sa mga operatiba ng Bureau of Customs (BOC) – Port of Aparri ang isang dredger vessel na karaniwang gamit sa black sand quarry operations sa mga ilog at maging sa karagatan.

Sa rekomendasyon ng Customs Intelligence and Investigation Service - Manila International Container Port (CIIS-MICP), sinagasa ng mga tauhan ng BOC Aparran Enforcement and Port Operations kasama ang mga operatiba mula sa hanay ng Philippine National Police (PNP) Maritime Group ang maalong karagatan ng Aparran Delta kung saan naroon ang pakay ng operasyon – ang dredger vessel na MV Warrior 6.

Sa loob ng maraming taon, naging maugong ang illegal quarry operations sa nasabing lalawigan para sa black sand na dumano'y binibili ng bansang Tsina para gamitin sa kanilang ginagawang artificial islands sa pinag-aagawang West Philippine Sea.

Nang masipat ang pakay na dredger vessel, agad itong sinabat ng pinagsanib na pwersa ng BOC at PNP Maritime Group para itain ang Warrant of



Seizure and Detention order na nilagdaan ni BOC-Aparran District Collector Anenito Claveria sa barkong kinakatawan ni Felito Padayao na tumatayong kapitan ng sasakyang pandagat.

Nagsagawa na rin ng imbensaryo sa mga lulang kalakal ng MV Warrior 6 na nakapit ngayon sa Cagayan River Offshores habang inihahanda ang kaukulang kaso laban sa may-ari, operator at kapitan ng nasabing barko.

Isang kinatawan naman ng Sandraw Movers and Development Corporation ang nakipag-ugnayan sa BOC ay pormal na naghain ng manipesto ng pagmamay-ari ng nasabing barko.

Matagal ng problema ang

black sand mining sa Cagayan sa kabila ng pagtutol ng mga residente ng nasabing lalawigan.

Ayon sa mga residente, inilalabas ng bansa at ibinebenta sa bansang Tsina ang mga nasabing black sand gamit ang Port Irene sa bayan ng Sta. Ana na kilalang bagsakan noon ng mga segunda-manong sasakyan.

Taong 2013 nang salakayin ng National Bureau of Investigation (NBI) at Mines and Geosciences Bureau (MGB) ang nasabing lalawigan bunsod ng reklamo sa malawakan at ilegal na pagmimina ng black sand ng mga negosyanteng Tsino. Labingwalo ang arestadong Tsino sa nasabing operasyon.

(JOEL AMONGO)



## Coast guard leads mangrove planting in Cavite

By [Dennis Abrina](#) October 13, 2021

**NOVELETA, Cavite:** The Philippine [Coast Guard](#) (PCG) celebrated its 120th founding anniversary with a mangrove planting initiative at the mangrove protected area in Barangay [San Rafael](#) 4 on October 10, Sunday, with the local Environment and Natural Resources office here.

A total of 2,500 seedlings and mangrove propagules were planted in the area for two days with the River Ranger Noveleta, [Marine Environmental Protection Command](#), PCG Cavite and the [Municipal Environment Regional Office](#) (Menro) of Noveleta.

"We are grateful to the PCG's continued support for the environment of the town of Noveleta, not only in marine disasters, but also in environmental protection," Noveleta Mayor [Dino Chua](#) said in an interview.

PCG-Cavite commander Lt. [Michael Encina](#) and Noveleta Menro chief Edgardo Chavez led the mangrove planting with their staff and volunteers.



# Oil spill, posible — PCG... Barko sumadsad dahil sa Bagyong Maring

ni [Lolet Abania](#) | October 12, 2021



Photo: Screen grab from Philippine Coast Guard

Nagsagawa ng inspeksiyon ang mga tauhan ng Philippine Coast Guard (PCG) ngayong Martes sa posibleng oil spill matapos na isang barko ang sumadsad sa pantalan sa may baybayin ng Nasugbu, Batangas sa gitna ng matinding alon dulot ng Severe Tropical Storm Maring.

Sa kanilang incident report, ayon sa PCG, lulan ng distressed vessel na LCT Metal Hawk ang 17 crew members nang maka-encounter ng engine trouble ngayong Martes ng umaga.

Gayunman, wala naman sa mga crew member ang nasaktan matapos ang insidente.

Ayon sa PCG, ang naturang barko ay pag-aari at operated ng Marine Vest Company na nakabase sa Surigao del Sur.

Sinabi pa ng PCG, sa salaysay ng kapitan ng barko, ang LCT Metal Hawk ay umalis mula sa Subic Port sa Zambales nitong Oktubre 9 na may kargang 1,000 metric tons ng buhangin na patungo sa Nasugbu Port sa Batangas.

Agad namang rumesponde at nagbigay ng assistance ang PCG Substation Nasugbu at Marine Environmental Protection Group-Batangas at nag-inspeksyon sa lugar dahil sa posibleng oil spill.

Samantala, umabot na sa 11 ang kumpirmadong nasawi dahil sa hagupit ng Bagyong Maring sa Luzon habang pito naman ang naiulat na nawawala. Nabatid mula kay National Disaster Risk Reduction and Management Council (NDRRMC) Executive Director at Undersecretary Ricardo Jalad, Jr., na kabilang sa mga namatay sa bagyo ay mula sa Narra, Palawan na inagos ng flashflood, natabunan nang buhay sa landslide sa La Trinidad, Benguet at pagguho naman sa Itogon, Benguet, nalunod sa Claveria, Cagayan.

Kabilang naman sa mga nawawalang indibidwal ay mula rin sa Narra, Palawan, sa Dominican Minador, sa La Trinidad, at Itogon, Benguet at sa Badoc, Ilocos Norte.

Source: <https://www.bulgaronline.com/post/oil-spill-possible-pcg-barko-sumadsad-dahil-sa-bagyong-maring>





#EagleNews

### 30 piraso ng jprime Bagtikan lumber, narekober sa Mt. Apo Strict Protected Zone

28 views • Oct 12, 2021

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Narekober ng Protected Area Management Office (PAMO) ng Mt. Apo Natural Park na pinamunuan ng mga Parks Protection officers at sa pakikipagtulungan ng barangay local government unit ng Sibulan, Davao City at ng Bantay Gubat forest rangers ang tatlungung

SHOW MORE

Source: [https://www.youtube.com/watch?v=n7RTN3E73Y0&ab\\_channel=EagleNews](https://www.youtube.com/watch?v=n7RTN3E73Y0&ab_channel=EagleNews)



### SMC: Pasig River rehab to ease flooding in Metro Manila

1,802 views • Oct 12, 2021

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One giant conglomerate hoping to revive a historical and crucial waterway. San Miguel Corporation claims progress in its Pasig River rehab project with the waste collection from the main waterway reaching thousands of tons.

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Source: [https://www.youtube.com/watch?v=1xPkXoXkKck&ab\\_channel=CNNPhilippines](https://www.youtube.com/watch?v=1xPkXoXkKck&ab_channel=CNNPhilippines)



## Climate action at COP26 could save millions of lives

October 12, 2021 | 7:45 pm



*Image via WHO/P. Viot*

GENEVA — The World Health Organization (WHO) and about three-quarters of global health care workers on Monday called on governments to step up climate action at the COP26 global climate conference, saying it could save millions of lives a year.

The UN health agency's report on climate change and health calls for transformational action in every sector including energy, transport and finance, saying the public health benefits of ambitious climate actions far outweigh the costs.

"The burning of fossil fuels is killing us. Climate change is the single biggest health threat facing humanity," the WHO said on Monday.

The WHO has previously said some 13.7 million deaths a year, or around 24.3% of the global total, were due to environmental risks such as air pollution and chemical exposure.

It is not clear exactly how many of those are directly linked to climate change, although the WHO's Maria Neira said about 80% of the deaths from air pollution could be prevented through compliance with its guidelines.

Climate change is also stoking some infectious diseases such as dengue fever and malaria, causing deaths in some of the world's poorest regions, said Diarmid Campbell-Lendrum, head of a WHO climate change unit.

"Our health is not negotiable: we are going into climate negotiations, we are negotiating many things but the life of a single child whether it is lost to air pollution or climate change is not something that should be on the table," he said.

The report's release coincides with a letter backed by more than 400 health bodies representing more than 45 million nurses, doctors and medical professionals also calling for action.

"Pediatricians are speaking up because we do prevention, we give immunizations to prevent communicable diseases and we are speaking up now because we know that the health of the people and the health of the climate are one," said Ruth Etzel with the International Pediatric Association.

Last week, the United Nations Human Rights Council recognized access to a clean and healthy environment as a fundamental right, adding its weight to the fight against climate change.

— **Reuters**

Source: <https://www.bworldonline.com/climate-action-at-cop26-could-save-millions-of-lives/>

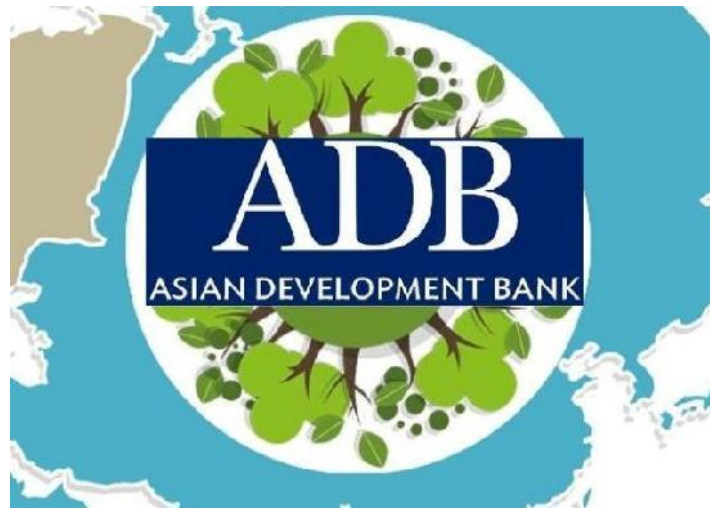


# Asian Development Bank boosts 2019-2030 climate financing goal to \$100B

By DAVID LAWDER, Reuters

Published October 13, 2021 2:44am

Updated October 13, 2021 4:03am



"The fight against climate change will be won or lost in Asia and the Pacific, and we are committed to serving as a climate bank and a long term climate partner for our region," ADB President Masatsugu Asakawa

WASHINGTON - The Asian Development Bank's will boost its climate financing goals by \$20 billion to a new target of \$100 billion for the 2019-2030 period and aims to launch its concept for retiring coal-fired power plants at the COP26 climate conference in Scotland next month, the lender's chief said on Tuesday.

The plans, disclosed by ADB President Masatsugu Asakawa in an interview with Reuters, increase a previous \$80 billion goal for climate financing for developing countries in Asia for the decade announced in 2018.

"The fight against climate change will be won or lost in Asia and the Pacific, and we are committed to serving as a climate bank and a long term climate partner for our region," Asakawa said.

The additional \$20 billion in financing support will provide support for climate mitigation efforts including low-carbon energy sources, climate adaptation projects and private sector projects.

Asakawa said ADB now plans for \$66 billion for climate mitigation financing through 2030, including for new energy storage, energy efficiency and low-carbon transportation investments. The Manila-based lender will plan for climate adaptation financing of \$34 billion, including agriculture, urban and water adaptation projects.  
id.

The bank also plans to boost its private sector operations to attract more private sector capital to finance new climate technologies and innovations, using \$12 billion from its balance sheet to attract up to \$30 billion in new private capital, due to increased demand for such financing, Asakawa said.

The plans were presented on Tuesday to US Treasury Secretary Janet Yellen, who had convened a meeting with multilateral development banks, including ADB and the World Bank, to discuss their efforts to boost climate financing in line with the 2015 Paris Agreement.



## COAL PLANT RETIREMENTS

Reuters first reported in August that ADB was working with major financial firms to develop a mechanism to buy up coal-fired power plants in Asia and retire them early to shrink the biggest source of carbon emissions.

Asakawa said the group has finished an initial feasibility study and is now embarking on a longer study of the concept in three target countries -- Vietnam, the Philippines and Indonesia.

The initial feasibility study provided a framework for the ADB to engage with a broad set of country, regional and global stakeholders to support the transition from coal to clean energy. Asakawa said that interest is growing among other developing countries to join the initiative at a later date.

ADB and its partners, including British insurer Prudential, lenders Citi and HSBC and BlackRock Real Assets, are aiming to complete and launch a pilot investment fund in 2022 and make its initial power plant purchase next year or early 2023.

The concept is not included in the ADB's overall climate financing goals, because most of the money will come from private investors and donor sources, including philanthropists, Asakawa said.

A study by the Institute for Energy Economics and Financial Analysis estimated that retiring half the coal power plants in Indonesia, the Philippines and Vietnam would require as much as \$55 billion in financing, requiring strong support from Southeast Asian governments to attract financing.

The ADB will announce the partnership to design and establish the Energy Transition Mechanism (ETM) at COP26.

"Even now, some philanthropists have already shown interest in investing in this new initiative. So we plan to launch the ETM at COP26 in Glasgow," Asakawa said.

Asakawa added he hopes to be able to present the plans along with Indonesian Finance Minister Sri Mulyani Indrawati and Philippines Finance Minister Carlos Dominguez. -- **Reuters**



# 'Maring' exits PH but storm alerts still up in Luzon – Pagasa

By [Arlie O. Calalo](#) October 12, 2021



THE Philippine Atmospheric, Geophysical and [Astronomical Services Administration](#) (Pagasa) said on Tuesday that severe tropical storm "Maring" left the country but storm alerts remained up in parts of [Luzon](#).

Pagasa in its 5 p.m. bulletin said Signal No. 2 remains over Batanes and Babuyan Islands. Signal No. 1 is still up over the mainland Cagayan, the western portion of Isabela (Maconacon, San Pablo, Santa Maria, Cabagan, Santo Tomas, Delfin Albano, Quezon, Naguilian, Echague, Aurora, Ramon, Burgos, Tumauini, Cordon, San Mateo, Jones, Angadanan, San Manuel, San Agustin, Roxas, Benito Soliven, Mallig, City of Cauayan, [Ilagan City](#), Luna, San Isidro, Quirino, [Reina Mercedes](#), San Mariano, Alicia, Cabatuan, Gamu, City of Santiago and San Guillermo), Quirino, Nueva Vizcaya, Apayao, Abra, Kalinga, [Mountain Province](#), Ifugao, Benguet, Ilocos Norte, Ilocos Sur, [La Union](#), Pangasinan, Nueva Ecija, Pampanga, Tarlac, Zambales, and the northern portion of Bataan (Hermosa, Dinalupihan, Morong, Orani, Samal and Abucay).

It said Maring continues to accelerate while moving westward over the West [Philippine Sea](#).

Last located over 505 kilometers west of Calayan, Cagayan, Maring has maximum sustained winds of 100 kilometers per hour (kph) near the center and gustiness of up to 125kph while moving at 30kph.

"Maring exited the [Philippine Area](#) of Responsibility at 11 a.m. Tuesday. It will continue moving westward and is likely to make landfall in the vicinity of Hainan, China Wednesday evening," the state-run weather agency said.





Within the next 24 hours, the storm is forecast to gradually intensify reaching a peak intensity of 110kph prior to making landfall over [Hainan Island](#), it added.

Until Wednesday morning, Pagasa said light to moderate with at times heavy rains are highly likely over Ilocos Region, Cordillera Administrative Region, [Cagayan Valley](#) and Central Luzon.

With the southwest monsoon ("habagat") enhanced by Maring, rains are forecast over Metro Manila, Mimaropa (Mindoro, Marinduque, Romblon and Palawan) and Calabarzon (Cavite, Laguna, Batangas, Rizal and Quezon) in the next 24 hours, according to the weather bureau.



# 'Maring' displaces 478 families in 3 regions

By Priam Nepomuceno October 12, 2021, 9:34 am



*(Photo courtesy of PIA Cagayan)*

**MANILA** – Around 478 families in three regions have so far been affected by Severe Tropical Storm Maring, the National Disaster Risk Reduction and Management Council (NDRRMC) reported on Tuesday.

In an update, the NDRRMC said this is equivalent to 1,658 persons residing in Cagayan Valley, Mimaropa, and the Cordillera Administrative Region (CAR).

It added that two evacuation centers are now aiding 247 families or around 850 people while the rest are taking shelter with their relatives and friends.

Meanwhile, a total of 482 passengers, 246 rolling cargoes, and two vessels were reported stranded in Eastern Visayas.

The number of families preemptively evacuated was placed at 465 -- 461 in Cagayan Valley and four in Eastern Visayas.

As this developed, NDRRMC deputy spokesperson Mark Cashean Timbal said the agency is still verifying reports that a security guard drowned in Claveria, Cagayan along with three deaths from a landslide in La Trinidad, Benguet.

"For the incident in Central Ambiong, La Trinidad, (Benguet), we have received (preliminary) information that as of 8 a.m., we have three fatalities and two missing," Timbal said in a message to reporters.

Timbal also said disaster response offices of local government units are now responding to the effects of "Maring" and that regional DRRMCs in Ilocos Region, Cagayan Valley, and CAR have already mobilized their units to provide augmentation support to the affected localities.

"We also have received messages in socmed (social media) asking for rescue assistance, in particular, LU (La Union) and Ilocos Sur communities. These have been referred to RDRRMC 1 (Ilocos) for action," he added. **(PNA)**



13 OCTOBER 2021, WEDNESDAY



**DENR**

# **NEWS ALERTS**

# **PUBLICATIONS**

**STRATEGIC COMMUNICATION AND INITIATIVES SERVICE**



TITLE:

PAGE

Republic of the Philippines Department of Environment and Natural Resources

DENR ADMINISTRATIVE ORDER No. 2021-12

SUBJECT: GUIDELINES FOR THE DEVELOPMENT AND RECOGNITION OF BIODIVERSITY-FRIENDLY ENTERPRISES (BDFEs) IN PROTECTED AREAS UNDER THE NATIONAL INTEGRATED PROTECTED AREA SYSTEM (NIPAS) AND CONSERVATION AREAS PROVIDING FOR INCENTIVES AND SUPPORTING MECHANISMS

Pursuant to the 1987 Constitution, the National Integrated Protected Areas System (NIPAS) Act of 1992 (Republic Act No. 7586), as amended by the Expanded National Integrated Protected Areas System Act of 2018 (RA No. 11018) and its implementing rules and regulations (DENR AO 2019-05)...

Section 1. Basic Policy. It is the policy of the State to protect and advance the rights of the Filipino people to a balanced and healthful environment...

Section 2. Objectives. This Guidelines shall have the following objectives:

- a. To establish procedures for the development and standards for recognition of biodiversity friendly enterprises;
b. To provide the enabling environment to encourage upland and coastal communities, with priority on communities with tenuous instruments and indigenous peoples...

Section 3. Scope and Coverage. This Guidelines shall primarily apply to Micro and Small Enterprises of People's Organizations dependent on ecosystem goods and services provided by biodiversity...

BDFEs shall be consistent with the existing management and land use plans, including but not limited to Protected Area Management Plans (PAMPs), Forest Land Use Plans (FLUPs), Comprehensive Land Use Plans (CLUPs), Solid Waste Management Plans, Community-Based Resource Management Plans (CBRMPs), Annual Development and Investment Plans, and other related development plans.

Section 4. Definition of Terms. The following terms as used in this Order shall be understood and defined as:

- a. Barangay Micro Business Enterprises (BMBEs) - any business entity or enterprise engaged in the production, processing or manufacturing of products or commodities;
b. Biodiversity - the variability among organisms from all sources, including terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are a part;
c. Biodiversity-friendly enterprise (BDFE) - involves the utilization of resources leaning towards sustainability and further enhancement of resources in which the community will have an increased appreciation of biodiversity through its ecosystem services;

Section 5. Principles of Biodiversity-Friendly Enterprises (BDFEs). Development and recognition of BDFEs shall be guided by the following principles:
a. Fair and equitable - The rights of communities are recognized in the use of biodiversity aimed at improving the overall human well-being;
b. Precautionary - Identifies and foresees limitations drawn from economic activities which mitigate measures are applied;

generation.
d. Participatory and Inclusive. Public participation through convergence and by engaging local stakeholders is encouraged to maximize conservation and community benefits.

Section 6. Categories of Biodiversity-Friendly Enterprises. BDFEs are enterprises that do not have significant adverse effects to the environment. These are economic activities that contribute in the maintenance of ecosystem resilience and promote the sustainable use of biodiversity...

6.1. Sustainable Agriculture. Enterprises engaged in practices that sustainably use and conserve biodiversity including agriculture-important species, habitat networks and biological corridors...

- a. Application of biodiversity friendly agricultural practices like diversified farming (integrated cropping);
b. Growing of traditional/indigenous agriculture crops;
c. Agroforestry including sloping agricultural practices;

6.2. Sustainable Fisheries. These are enterprises that reduce the pressure and overexploitation of aquatic resources while addressing food security, and are generally aligned with the Fisheries Code and the E-NIPAS Act...

- a. Seaweed farming;
b. Integrated Multi-Trophic Aquaculture (IMTA);
c. Closed-circuit fish-rearing systems;
d. Sustainable aquaculture, among others.

6.3. Sustainable Forestry. Enterprises which mainly use forest resources for its raw materials, and thereby contribute to biodiversity protection, management and restoration, Sustainable Forestry balances the needs of the environment, wildlife, and forest communities...

- a. Sustainable harvesting of forest products in accordance to existing rules and regulations;
b. Establishment of community-based nurseries of endemic, indigenous or native trees;
c. Planting of endemic, indigenous or native trees;
d. Propagation of native and endemic wild flora, among others.

6.4. Manufacturing, Processing and Distribution. Enterprises engaged in processing of primary goods into finished goods of higher value for distribution. This includes economic activities that involve the use of non-forest forest products (NTFPs) as raw materials and such other non-endemic resources from the marine areas or seascapes...

- a. Processing of fish and other dried foods;
b. Processing of fruits into jam, vinegar and candies;
c. Processing of coffee and tea;
d. Processing of agro-products to chips;

6.5. Services. These are economic activities that can generate fees for the biodiversity services to encourage maintenance and protection of biodiversity and provides income to communities. These enterprises shall be approved by the PAMB to ensure that the activities conform to the PAMB. The practices/enterprises under this category are the following:

- a. Agri-tourism;
b. Community-based ecotourism and related services;
c. Public-private-community partnership for park development and management;
d. Habitat restoration;

Section 7. BDFE Standards. To be recognized as biodiversity-friendly enterprise, the enterprise shall be measured against the ecological, economic, equity and legal standards. Each standard shall be measured based on identified indicators and parameters specified in the appendix (Annex 2).

7.1. Ecological Integrity measures how the enterprise considered the spatial and species use requirements in the area including the impact of their operations (input, process and output) to all components of the biodiversity and ecosystem services to represent the standard...

- a. The use of biodiversity resources and ecosystem services conforms to best management practices of conservation and sustainable use of biodiversity;
b. The use of biodiversity resources and ecosystem services maintains the natural integrity of the ecosystem;
c. The enterprise contributes in the prevention of habitat fragmentation.

7.2. Economic viability refers to the soundness of the enterprise, including a range of activities aimed on the growth, profitability and sustainability of the community enterprise, and the people organization managing them, within market contexts. Annex D shall provide an overview of the PO assets and revenues which will form part in achieving this standard.

- a. The enterprise is economically viable which is evident through a financial statement (e.g., ledger, logbook) of enterprises, supported by other PO valuable assets and market coverage;
b. The enterprise practices value addition and innovation of biodiversity towards positive financial returns that benefit the community, government and biodiversity.

7.3. Equity refers to socio-cultural benefits provided by enterprises, the manner of respecting the rights of labor, equal opportunities and benefit for men and women and rights of the indigenous peoples.

- a. The enterprise practices equitable sharing of benefits arising from the use of biodiversity and services;
b. The enterprise respects the rights of indigenous peoples, returned migrants and other upland and coastal communities.

7.4. Legality refers to compliance with the applicable national and local environmental laws and regulations (e.g., RA 11038, PD 1586, RA 9273, RA 8749, RA 9003 and RA 6969, etc.) and other business and other related laws, rules and regulations (e.g., RA 9178, RA 6901) as amended by RA 8259 and 6977.

- a. The enterprise is legally permitted and due process leading to such permission has been complied with;
b. The resources used in the enterprise can be traced back to its source;
c. All documentary requirements have been complied.

Section 8. Development of BDFEs. The development of BDFEs shall consist of the following phases:

8.1. Inventory of Existing Livelihood and Enterprises. Within 1 year from the effectivity of this Order, the CENRO/PAMO in coordination with the PENRO, shall conduct an inventory of all existing, established livelihood and micro and small enterprises to come up with a list of potential enterprise for BDFE development. The CENRO/PAMO may tap the local DTTI offices and check the availability of an inventory of enterprise within their jurisdiction...

8.2. Rapid Assessment. The concerned CENRO/PAMO in coordination with the respective PENRO, shall conduct a Rapid Assessment using Annex B of this DAO in order to come up with a List of Eligible Enterprises. Following the conduct of the Rapid Assessment, the PENRO shall complete the information required in Annex C through the conduct of an interview with the officers and members of the people's organization...

8.3. Appraisal of Enterprises. Using Annex F of this DAO, the assessment team composed of representatives from the Regional Office, PENRO, CENRO and PAMO shall conduct an appraisal of the enterprise to determine its level of development. Annex F also provides the standards and indicators for each level which in consequence, identifies the enhancement needed.

8.3.1. Level 1. Established. This is the start-up stage where the community enterprise has secured the necessary legal requirements to operate in a protected area, in effect at this point, the standards of legality are fully met, and they are included in the list as an eligible enterprise.

8.3.2. Level 2. Strengthened. At this stage the development and adoption of a BDFE Business Plan, following Annex G as its outline, is prioritized. Further, POs have identified the linkage of their products and services to markets.

8.3.3. Level 3. Developed. The enterprise is implementing its BDFE business plan showing positive net profit.

8.3.4. Level 4. Sustained. This is the period when an enterprise has continued to operate sustainably, both in ecological, economic and equitable manner and shall be ready to apply for recognition.

Enterprises appraised falling under Levels 1-3 shall then undertake enhancement to achieve Level 4. For enterprises which were appraised as Level 4, they shall qualify for the recognition process following the steps provided below.

BDFE through the Technical Working Committee on Community Management and shall issue resolutions for the enhancement of PO enterprises. The support includes provision of technical and financial assistance.

a. Technical Assistance. BMB shall develop plans for capacity building on enterprise development, organizational development for people organizations, value chain studies and other activities deemed appropriate. In order to maximize profit that could be generated, and to increase the value added, the communities shall be encouraged and assisted to further develop and upgrade the materials into higher value finished products...

b. Financial Assistance. POs shall be subjected to the process of assessing financial assistance as stipulated in Section 9 of this Order. However, the provision of financial assistance will be subject to the availability of funds. Nevertheless, the DENR may establish linkage between POs and funding agencies to support the capital build-up of the enterprise.

Section 9. Financial Assistance of BDFEs. A maximum of one million pesos (P 1,000,000) may be granted by the DENR as financial assistance to eligible enterprises after the review of the required documents. POs who are appraised as Level 1 are to be considered, mainly, for provision of Financial Assistance.

9.1. Procedure of Granting Financial Assistance.
a. The PENRO shall determine qualified Level 1 POs to be granted financial assistance. Qualified POs shall submit their project proposal using the template in Annex H.

9.2. Allowable Use. Financial Assistance to be granted to POs shall only be used to finance operational activities. Wages and salaries of the members of the PO shall not be charged from the financial assistance granted to them. Financial Assistance granted by the DENR shall be in accordance with accounting and auditing rules and regulations.

Section 10. Recognition of BDFEs. Recognition is the process of validating if an eligible enterprise has met the standards as biodiversity friendly under this Order. Recognition process shall consist of the following phases:

10.1. Endorsement. PAMO, CENRO, and PENRO shall submit to the Regional Office the list of all eligible enterprises that achieved level 4 of the development process as defined in this DAO. This submission shall be supported by a PAMB resolution indicating its support towards the recognition of the identified enterprises. Only those Level 4 eligible enterprises with complete requirements (MOVs as required by the appraisal (Annex 2) shall be endorsed by the Regional Office to BMB for validation.

10.2. Validation. The collected information shall then be validated by a team led by the BMB, in coordination with the Regional Office through the conduct of combination of an on-site biophysical, economic, and social assessment. Further, representatives of the PO should be available for an interview. The validation shall undergo the following process:

- a. The BMB, upon receipt of the endorsement with complete requirements, shall coordinate with the Regional Office to conduct an on-site validation within 20 days;
b. The validation team shall be composed of at most 3 members coming from the BMB BDFE Core Group with representatives from the Regional Office;

10.3. Issuance of Certificate of Recognition. The DENR thru the Regional Executive Director (RED) shall have the authority to certify that an enterprise has met the standards laid down in this Order. The RED shall issue the Certificate of Recognition (CoR) upon the endorsement of the validation team, as per Section 10.2. The CoR is proof that the enterprise is biodiversity friendly and entitled to all incentives provided in this Order and other applicable rules. The CoR is valid for three years, and can be renewed thereafter, if still compliant. Upon monitoring, if there are violations, the CoR may be voided.

10.4. Incentives. The CoR serves as the authority of the enterprise to be entitled to incentives under this Order. DENR may create additional incentives and another system of recognition for outstanding and exemplary BDFEs.

a. Biodiversity Friendly Label. All BDFEs shall be identified thru a label provided by the BMB. The label is initially effective for three years and as long as the enterprise has complied BDFE standards. It shall be free of charge and shall be used in accordance with this Order. All products and services recognized as BDFEs shall consistently and prominently display the BDFE label for the purpose of identification and generating awareness and demand for BDFEs products and services. The overall of BDFE logo printing and terms of use shall be detailed in a technical bulletin. DENR shall simplify documentary requirements for community enterprise and assists them in the registration in business registration thru the Negosyo Centers. The Department, through the BMB, shall facilitate stronger collaboration through mutual agreements between DENR and DTTI/DOST.

b. Risk Insurance. BDFEs inputs, products and services are mainly from natural resources which are vulnerable to impacts of climate change and natural disasters. The DENR, through the BMB, shall link with the other agencies such as the Philippine Crop Insurance Corporation, Landbank to facilitate risk insurance to BDFEs.

c. Market Linkages. Biodiversity friendly enterprises shall be linked to international markets through extensive networks of partnerships in both the public and private sector. Value chain analysis shall be used to help the community understand how they can increase their revenues significantly using the same raw material.

d. Consolidated Marketing. DENR Regional Office with the assistance of LGUs, DTTI, private sector shall aim for a consolidated marketing effort with full logistical support that taps more advanced BDFEs to open and maintain mainstream markets for the smaller enterprises.

e. Other Incentive Systems. In addition to the incentives provided by DENR, BDFEs are eligible for incentives and support services in Emerging Micro Business Enterprises (EMBE) under Republic Act No. 9178, Co Negosyo Act, Republic Act 10644, Social Reform and Poverty Alleviation Act, RA 8423 and Ease of Doing Business Act under Republic Act 11032. The BMB, PAMO, PAMB, CENRO and PENRO shall coordinate with these NCA to facilitate BDFEs access to said incentives and support services.

Figure 1 shows the steps that shall be followed for the development and recognition of enterprises.

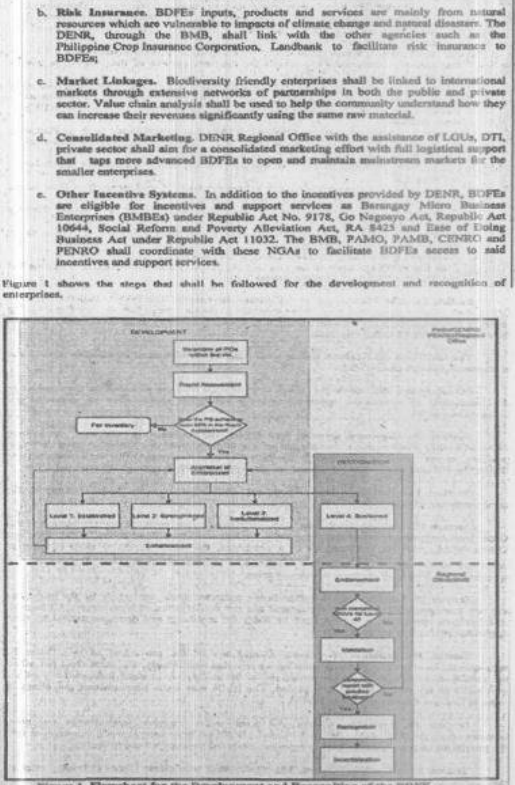


Figure 1. Flowchart for the Development and Recognition of the BDFE.





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Section 11. Benefit-sharing agreement. The PO and the PAMB shall enter into an agreement for the development and management of areas used for the implementation of BDFE projects...

Section 12. Communication Education and Public Awareness. DENR-RO and all the DENR Regional Offices shall conduct public awareness campaigns to inform all potentially affected parties...

Section 13. Institutional Arrangements. Development and Recognition of BDFE is a convergence program mainstreaming biodiversity conservation and sustainable use into livelihood programs...

13.1. Roles and Responsibilities of Biodiversity Management Bureau

- a. Creation of a BDFE Core Group overseeing the implementation of the DAO;
b. Provide overall direction and guidance to the operationalization of the BDFE;
c. Allocate funding for BDFEs, including for the development, recognition, and the facilitation cost...

13.2. Roles and Responsibilities of DENR Regional Office

- a. Create the Regional BDFE Core Group to be composed of representatives from Conservation and Development Division (CDD), Licenses, Permits and Decree Division (LPDD), Enforcement Division (ED), Survey and Mapping Division (SMD), Solid Waste Management Division (EMD), and concerned PENRO, CENRO, PAMO. The Group shall monitor and evaluate the implementation of this Guidelines within the region;
b. Forge partnership with other NGOs, LGUs, NGOs, private sector and community in the promotion of BDFEs...

13.3. Roles and Responsibilities of Provincial Environment and Natural Resources Office (PENRO)

- a. Assess the enterprises' compliance with the standards;
b. Facilitate the development of BDFE in coordination with Regional Office;
c. Map out all information and services essential to prospective entrepreneurs and prospective investors of BDFEs within its jurisdiction;
d. Provide periodic inspections and reports to DENR-RO...

13.4. Roles and Responsibilities of Protected Area Management Office (PAMO)/Community Environment and Natural Resources Office (CENRO)

- a. Establishes the baseline of enterprises within the PA;
b. Through the Conservation and Development Section, conduct of rapid assessment and profiling of enterprises and facilities in their respective jurisdiction in coordination with the PENRO;
c. Appraisal of the PO levels and assist the PO on the needed enhancement activity for BDFE Recognition;
d. Assist the PO in filing an application for BDFE development and recognition;
e. Disseminate information on BDFEs within PA and on field;
f. Link the BDFEs to support services and programs of different partners, including but not limited to NGOs, CSOs and private institutions;
g. Liaise and Encourage LGUs to provide support to BDFEs (such as ordinance, programs and projects (skills training etc.) supporting BDFEs);
h. Monitor the progress of enterprises; and
i. Designate a person tasked to provide necessary guidance and assistance for people's organizations to comply with the foregoing criteria.

The Protected Area Management Office (PAMO) and the CENRO shall have additional staff, skilled at business development to provide support to BDFEs. Facilitators of the BDFE development shall continually embark on skills development related to enterprise and business development.

13.5. Roles and Responsibilities of the Protected Area Management Board and other Management Bodies

- a. Ensure that a Technical Working Committee on Community Management is activated and their functions include the development and recognition of BDFEs as provided under this Order. The PAMB may invite other key agencies such as the Department of Trade and Industry, Department of Tourism, Cooperative Development Authority and National Commission of Indigenous People, LGUs, and civil society engaged on social entrepreneurship;
b. For small PAMB, which opted not to have technical working committees, the board may decide enhancement procedures for the development of the enterprises within their jurisdiction;
c. Issuance of a PAMB resolution approving the BDFE development and benefit-sharing agreement with the PO, identifying enhancement procedures as well as its support in endorsing eligible enterprises for recognition, and other relevant concerns for BDFE as deemed necessary;
d. Issuance of PAMB Clearance through a PAMB Resolution requiring those POs with development projects to undergo scoping process under the EIS System or if eligible with the Certificate of Non-Coverage issued by DENR;
e. Support and strengthen POs to establish and develop enterprises in a sustainable local and level up;
f. Encourage Local Government Units to support BDFEs, include such in their Local Investment Plan and Executive-Legislative Agenda;
g. Support in identifying areas and resources that can potential biodiversity-friendly economic activities;
h. Allocate funds for technical support to BDFEs such as feasibility and value chain analysis studies, among others;
i. Endorses Level 4 Enterprises to undergo Recognition process; and
j. Link the BDFEs to support services and programs of different partners, including but not limited to NGOs, CSOs and private institutions.

Section 14. Site Monitoring and Updated Inventory. The PAMO and the CENRO Office shall monitor operations of all enterprises at least twice a year, include said monitoring report in the annual report and shall maintain an updated inventory of all these enterprises and their facilities covered under this Order.

The BMB and the Regional Office shall schedule validation of monitoring reports and assessments through on-site visits.

PO enterprises shall allow the DENR entry to their business facilities for the conduct of the assessment of operations, appraisal and the validation should they be endorsed for recognition.

Section 15. Reporting System. The PENRO in coordination with the concerned PAMO/CENRO shall monitor the compliance of BDFEs with this Order. Inventory and profiling reports shall be submitted by the PENRO to the Regional Office for endorsement to BMB. The PENRO shall submit an annual progress report to BMB through the regional office.

Section 16. Funding. The Department shall allot regular funds to support the implementation of this Order.

Section 17. Dispute Resolution. Any complaints arising from the implementation of this Order including disputes over the recognition process shall be lodged at the DENR Regional Office. Within 15 days from receipt of a complaint, the Regional Office shall conduct an investigation, and within 30 days from receipt shall issue a resolution. Any decision can be appealed to the Secretary pursuant to existing rules.

Section 18. Liability. All activities in the protected areas shall abide by the principles and best management practices on sustainable use and conservation of biodiversity. All persons who engage in business operations in the PA shall be liable for any harm and damages caused by their operations pursuant to existing rules.

Section 19. Separability Clause. Should any of the provisions of this Order be subsequently or otherwise revised, modified or repealed accordingly, the same shall not affect the validity or legality of the other provisions so far as they could stand independently of the provisions so revised, modified or repealed. The BMB may issue supplemental guidelines in order to improve the recognition of BDFE.

Section 20. Repealing Clause. All other orders, circulars, memoranda and other issuances (i.e., DAO 2018-22, TB 2017-11, and TB 2018-03), or parts thereof, inconsistent with the provisions of this Order are hereby repealed, amended or modified accordingly.

Section 21. Effectivity Clause. This Order shall take effect fifteen (15) days after its publication in a newspaper of general circulation and upon acknowledgment thereof by the Office of the National Administrative Registrar (ONAR).

ROY A. CIMATU Secretary



ANNEX A. INVENTORY OF POS WITHIN PAs (adopted from BMB Technical Bulletin No. 2017-11)

LIST OF SMALL AND MEDIUM ENTERPRISES WITHIN PROTECTED AREAS

Table with columns: No., Region, Area, Coordinates, Name of PA/IBA, Name of Enterprise, Type of Enterprise, Short Description (E.G. IP or another PO Community Involved, Raw Materials Used And Their Sources, Products/Services Offered, Etc.)

\*Description for the area should include province, municipality, locality
Accomplished by:
Noted by:

ANNEX B. RAPID ASSESSMENT FOR BDFE ENHANCEMENT ELIGIBILITY

Table with columns: INDICATORS, YES, NO, NA. Includes sections for Impact to Biodiversity, PROCESS INDICATOR, and OUTPUT INDICATOR.

BIODIVERSITY-FRIENDLY ENTERPRISE INDEX

Enterprises should get an 80% - 100% YES answers in the 16 indicators above to eligible for biodiversity-friendly enterprise enhancement

ANNEX C. LIST/PROFILE OF ELIGIBLE ENTERPRISES

Table with columns: Name of Enterprise, Address, Locality, Contact Person, Contact No., Date of Issuance, etc.

Prepared by: Date:
Verified/Approved by: Date:

ANNEX D. ECONOMIC VIABILITY ANALYSIS

Date of monitoring:
Monitoring Team:
1.
2.
3.

A. PEOPLE'S ORGANIZATION DETAILS

Name of PO:
Type of Registration: SEC CDA DOLE Others, pls specify
Enterprise Name:
Location (specify NIPAS Area and Province):
Number of members: M F
Date/Month FA funds downloaded:
Amount downloaded: per SAA No:

B. ENTERPRISE ASSETS

Table with columns: ITEM, UNIT, NO. OF UNITS, UNIT COST, TOTAL COST

C. PRODUCT INVENTORY AND MARGINS

Table with columns: PRODUCT, LANDED COST, NO. OF UNITS, PRICE, MARGIN, AVERAGE MARGIN

D. PO REVENUE

Table with columns: PRODUCT, NO. OF UNITS SOLD (before FA), NO. OF UNITS SOLD (after FA), TOTAL SALES (from establishment to date), TOTAL

E. PO MEMBERS' INCOME

Table with columns: PO POSITION (if applicable), NUMBER OF POSITIONS, MONTHLY SALARY (before FA), MONTHLY SALARY (after FA), TOTAL

Average Monthly Income of Members: \_\_\_\_\_

E. WORKPLAN/AUDIT

Signed Memorandum of Agreement:
Date MOA Signed: \_\_\_\_\_

Table with columns: Activity/Item, Unit of Work Measure, Estimated Cost, Actual Cost, Target Date, Actual Date, I/OV%

\*Fields to be filled out by evaluator prior to the assessment

ANNEX E. ECOLOGICAL IMPACT FORM

BDFE Facilitator Name: Region: Office:
PO Name:
PO Enterprise:
Describe PO Operation briefly:
Target Resource (Biotic/Abiotic) for Management/Promotion/Conservation (e.g., Wild, Soil, Mangrove, wild flora and fauna):
1.
2.

Table 1. Target Resource Objectives

Table with columns: Target Resource, Indicator, Target, Objective

Table 2. Mitigating Measures

Table with columns: Target Resource, Existing Management/Promotion/Conservation Activities, Planned Management/Promotion/Conservation Activities

Table 3. Monitoring Method

Table with columns: Target Resource, Indicator, Means of Verification, Methodology for Monitoring, Frequency/Seasonality of Support

Prepared by: Reviewed by: Endorsed by:

Name of BDFE Facilitator Name of BDCO Name of Immediate Supervisor of the BDFE Facilitator

ANNEX F. ASSESSMENT TOOL FOR THE APPRAISAL OF PO ENTERPRISES

1. Level 1 - PO Enterprise is Established

Table with columns: Criteria / Guide Questions, Allowable Points, Actual Points, Remarks / Means of Verification. Includes criteria like BDFE concept explained, BDFE accepted and approved, identification of target resources, etc.

2. Level 2 - PO Enterprise is Strengthened

Table with columns: Criteria / Guide Questions, Allowable Points, Actual Points, Remarks / Means of Verification. Includes criteria like conservation measures in place, surveillance conducted regularly, funds accessed and used, etc.



TITLE: DENR A.D. # 2021-12 May 21, 2021 PAGE 3/3 DATE 10-12-21

Table with 4 columns: Item, Allowable Points, Actual Points, Remarks / Means of Verification. Rows include Participatory Management, Capacity Building, Accounting, and Economic Status.

Table with 4 columns: Item, Allowable Points, Actual Points, Remarks / Means of Verification. Rows include Business Plan updates, Revenue, Management Body, Conservation measures, and Monitoring.

Table with 4 columns: Item, Allowable Points, Actual Points, Remarks / Means of Verification. Rows include Political support, Business Plan incorporation, Outsourcing, Coordination with PAMB, Ecological assessment, Performance monitoring, and Green jobs.

Table with 4 columns: Item, Allowable Points, Actual Points, Remarks / Means of Verification. Rows include Executive Summary, Description of business, SWOT analysis, Industry analysis, Trends and growth, Product description, Current market, Organizational management, Socio-economic benefits, Financial projections, Sources of financing, Trainings and interventions, Operational/Production Activities, Regulations and Permits, and Sustainability plan.

Table with 2 columns: A. TITLE OF THE PROJECT, B. PROPONENT (Name of the PO).

Table with 2 columns: C. DURATION OF PROJECT, D. PROPOSED PROJECT SUBJECT. Includes Enterprise Description and Enumeration of main/secondary products.

Table with 2 columns: F. PROCESS DETAILS. Includes Outline of processes, Enterprise's production, and Biodiversity threat.

Table with 2 columns: G. MARKET CONSIDERATIONS. Includes Who are the buyers, detail the profile, and Estimate number of existing buyers.

Table with 2 columns: H. FINANCIAL AND ECONOMIC VIABILITY. Includes Discuss budget allocation and How much is the expected income.

Table with 2 columns: I. SOCIAL CONSIDERATIONS. Includes What are the perceived social impacts, How can the community participate, and Who are the main beneficiaries.

Table with 2 columns: J. INSTITUTIONAL ARRANGEMENTS. Includes Discuss the organizational chart and What other assistance needed.

Table with 2 columns: K. Attach Work and Financial Plan.

Prepared by:

ANNEX I. REQUISITES FOR ENTITLEMENT TO FINANCIAL ASSISTANCE. The PO recipient shall comply with the following requirements to be able to avail of the financial assistance: a. Fully accomplished Proposal Form signed by its officers, b. SEC/DIA/DOLE registration, c. Authenticated copy of Articles of Incorporation, d. Financial Report audited by an independent Certified Public Accountant, e. Disclosure by the PO of other related business, f. Proposed Work and Financial Plan (WFP) specifying the time frame within which the activities are to be undertaken, g. Business Plan, h. List and/or photographs of similar projects previously completed by the PO, i. Resolution from the PO Board authorizing their President to enter into a Memorandum of Agreement (MOA) with DENR, and j. PO Board Resolution certifying that none of its officials or board of directors is an agent or related by consanguinity or affinity up to the fourth civil degree to the officials of DENR-DENR/DENR authorized to process and/or approve the proposal, MOA and the release of funds.

ANNEX J. MEMORANDUM OF AGREEMENT TEMPLATE. MEMORANDUM OF AGREEMENT

KNOW ALL MEN BY THESE PRESENTS: This Memorandum of Agreement (MOA) made and entered into this day of in Philippines, by and between: THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES - PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE (DENR-PENRO) OF PROVINCE, a government entity with office address at and herein referred to as "DENR-PENRO"; and (Name of PO), a people's organization duly organized and registered under the laws of the Philippines, with office address at and herein referred to as "BDFE Partner PO".

WITNESSETH: WHEREAS, it is the policy of the state to protect the nation's natural resources and biodiversity as well as promote the right to a healthful and balanced ecology in accord with the rhythm and harmony of nature pursuant to Republic Act No. 11034 (Expanded National Integrated Protected Areas System Act), amending Republic Act No. 7586, Executive Order No. 533 the Integrated Coastal Management (ICM) Strategy, RA 9147 or the Wildlife Resources Conservation and Protection Act and DAO 2016-26 Coastal and Marine Ecosystems Management Program (CMEMP). One of the seven components of the Program is the development of Biodiversity Friendly Enterprise (BDFE) which shall promote the sustainable use of natural resources and biodiversity and at the same time create wealth and equitable sharing of benefits to the community through the People's Organizations by supporting micro, small and medium enterprises;

WHEREAS, the BDFE shall be implemented in National Integrated Protected Areas System (NIPAS) sites in the country.

NOW THEREFORE, for and in consideration of the foregoing premises, both parties hereby agreed to enter into this MOA under the following terms and conditions:

- Article I General Conditions 1.1. All proposed BDFE activities shall be anchored on Sustainable Development principles which shall contribute to the objectives of environmental protection, biodiversity conservation, economic growth and development and social equity. 1.2. The DENR-PENRO will make available to the BDFE Partner PO a financial assistance in the amount of (Php) to be used exclusively for the implementation of the BDFE consistent with the submitted work plan duly approved by the concerned P.O. President/Chairperson and the DENR-PENRO which shall form an integral part of this Agreement.

- Article II Roles and Responsibilities of the DENR-PENRO The DENR-PENRO shall: 2.1. Allocate and obligate funds to the BDFE Partner PO in the total amount specified in the approved work plan; 2.2. Release funds amounting to the total cost for the operation / implementation of the BDFE quarterly in accordance with the approved WFP; 2.3. Inspect / evaluate / monitor actual project accomplishments, reports, items and receipt certifications of the BDFE Partner PO through an inspection team upon

receipt of billing request following the standard accounting and auditing rules and regulations; 2.4. Provide necessary technical assistance, capacity building and skills enhancement to the BDFE Partner PO to facilitate the effective implementation of the BDFE; 2.5. Provide over-all guidance, supervision, and oversight to the performance of the responsibilities of the BDFE Partner PO, ensuring that all activities are within the scope of the approved work plan;

- Articles III Roles and Responsibilities of the BDFE Partner PO The BDFE Partner PO shall: 3.1. Enhance the existing enterprise to be biodiversity-friendly in accordance with the TB No. 2017-11 on BDFE and approved Work and Financial Plan with due diligence and efficiency on the utilization of funds; 3.2. Receive funds from the DENR-PENRO quarterly in accordance with the approved WFP; 3.3. Ensure that funds provided pursuant to this MOA shall be strictly used in accordance with the approved work plan and none may be used for any purpose other than those expressly set forth therein; 3.4. Submit the following documents and reports to the DENR-PENRO concerned: 3.4.1. Progress report (physical and financial) and photo documentation of the on-going Biodiversity-Friendly Enterprise Development which shall serve as basis for the release of payments after the conduct of validation/verification of the assessment team; 3.4.2. Termination/Final Report; 3.4.3. Other documents and reports as may be required; 3.5. Allow DENR-PENRO to monitor the implementation of the project even beyond the effectivity of this Agreement for project accountability purposes.

- Article IV Termination 4.1. DENR-PENRO may terminate the MOA based on the following grounds: 4.1.1. Fraud, misrepresentation or omission of material facts in obtaining the MOA; 4.1.2. Failure on the part of BDFE Partner PO to start the project on the date specified in the MOA without valid and legal justification and with corresponding obligation to refund the initial amount released; 4.1.3. Abandonment of the project for a period of at least one month from the date of discovery by the DENR of such fact with corresponding obligation to full refund the amount released; 4.2. Violation of any terms and condition of this MOA and pertinent environment and natural resources rules and regulations may cause the termination of this Agreement. The Partner shall be informed in writing within fifteen (15) days from the violation committed. 4.3. In case of disagreement on any of the terms of this MOA, the Parties may resort to Arbitration.

Article V Delay The partner PO shall complete the implementation of the Project within the time prescribed. Should the PO incur delay in its performance, PO shall accomplish target at its own cost, without prejudice to other course of action that may be taken by DENR. In the event of the BDFE Partner PO's non-compliance or partial compliance with the terms and conditions of this Agreement without valid and legal justification and after due process, it shall refund to the DENR-PENRO any payment already received in respect to activities that have not been performed by the recipient PO in accordance with the acceptable standard of DENR. Only force majeure or fortuitous events are considered legal justifications that will exempt PO from liability.

- Article VI Settlement of Disputes 6.1. Any dispute between DENR-PENRO and the BDFE Partner PO arising out of this MOA shall be settled amicably by the parties. If DENR-PENRO and BDFE Partner PO fail to reach an agreement, the matter shall be referred to Arbitration to be held within a month, in accordance with the Philippine laws. The cost and expenses of arbitration shall be borne by the party against whom the dispute is resolved; 6.1.1. The party desiring Arbitration shall serve upon the other party a written notice specifying the question to be arbitrated and naming its chosen arbitrator; 6.1.2. During the arbitration, the implementation of the activities shall not be stopped except for such activities as may be the subject matter of the arbitration, or is directly affected thereby; and 6.1.3. The DENR, and the BDFE Partner PO shall agree bound by any arbitration award rendered in accordance with the above, as the final adjudication of any such dispute.

Article VII Amendments No modification of, or change in this MOA, or any waiver of any of its provisions, or any addition of contractual obligations shall be valid or enforceable, unless previously approved in writing by the parties hereto or duly signed in the form of a written amendment by the parties hereto, or their duly authorized representatives.

Article VIII Entire Agreement and Severability This MOA constitutes the entire agreement between the parties and supersedes any and all prior oral and written understandings, considerations, agreements, representations or understandings between them in relation to the subject matter hereof. If any provision of this MOA is held invalid, void or unenforceable by any competent court or authority for any reason, the other provisions of this MOA shall remain valid and shall continue to be in force and effect.

Article IX Effectivity and Validity This MOA shall take effect upon signing of the Parties herein stated and shall be in force and valid for one (1) year.

IN WITNESS WHEREOF, the parties hereto acting through their representatives duly authorized for this purpose, affix their signatures, this day of 2018 at For DENR-PENRO: For BDFE Partner PO:

PENR Officer PO President (initials) Signed in the presence of: Funds Availability: (initials)

ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES PROVINCE OF S.S. CITY OF

BEFORE ME, this day of 2018 in Philippines, personally appeared:

Table with 2 columns: CTC Number, Date Issued, Place Issued. Rows for DENR-PENRO and BDFE Partner PO.

1 Section 3 (b) of Republic Act No. 9178 2 Section 4 (b) of Republic Act No. 10318 3 Section 4 (b) of Republic Act No. 11034 4 Rule 4.1 (b) of DAO 2019-03 5 Section 4 (c) of RA 11038 6 Section 4 (1) of DAO 2013-19 7 Section 4 (b) of RA 9593 8 Section 4(b) of RA 11038 9 Section 4 (b) of RA 7586 10 Section 4 (b) of RA 7586 11 Convention on Biological Diversity (CBD) 12 Aligned with the Output of the Philippine Biodiversity Strategic Action Plan Framework 13 Aligned with the Conservation of Biological Diversity Procedural Policy in its Feasible 14 Aligned with the Sustainable Development Goals adopted as part of the 2030 Agenda for Sustainable Development 15 16 Establishing an Environmental Impact Statement System, including Other Environmental Management Related Measures and For Other Purposes 17 Philippine Clean Water Act of 2004 18 Philippine Clean Air Act of 1999 19 Ecological Solid Waste Management Act of 2000 20 Toxic Substances and Hazardous and Noxious Waste Control Act of 1990 21 Barangay Micro Business Enterprises (BMBE) Act of 2002 22 Magna Carta for Micro, Small and Medium Enterprises (MSME) 23 National length of 1 full-cycle of BDFE Development and Recognition





TITLE: \_\_\_\_\_

PAGE \_\_\_\_\_

DATE \_\_\_\_\_



DEC 28 2020

**Joint DENR - DA Administrative Order  
No. 2020-02**

**SUBJECT: ADOPTING THE NATIONAL INVASIVE SPECIES STRATEGY AND ACTION PLAN-PHILIPPINES: 2020-2030 AS THE NATIONAL FRAMEWORK FOR THE MANAGEMENT OF INVASIVE ALIEN SPECIES IN THE COUNTRY**

In pursuit of the objectives of the Wildlife Resources Conservation and Protection Act (Republic Act No. 9147), the Expanded National Integrated Protected Areas System (NIPAS) Act (Republic Act No. 11038), The Plant Quarantine Law (Presidential Decree No. 1433), the Amended Philippine Fisheries Code of 1998 (Republic Act No. 10654), and the Philippine commitments under the Convention on Biological Diversity (CBD), and to address the threats of invasive alien species (IAS) to Philippine biodiversity, economy and social welfare, the National Invasive Species Strategy and Action Plan (NISSAP) for the Philippines (2020-2030) attached hereto as "Annex A" is hereby adopted for information and guidance of all concerned.

The NISSAP provides nine (9) strategic goals towards a holistic, collaborative and multi-sectoral approach in managing the risks of IAS. These are: (1) leadership and coordination; (2) prevention; (3) early detection and rapid response; (4) control and management; (5) restoration; (6) research and information management; (7) education and public awareness; (8) international cooperation; and (9) training needs. Each of the nine strategic goals provide its guiding principles, objectives, implementing guidelines and planned actions spanning three timelines - short term (2020-2021), medium term (2022-2023) and long-term (2024-2030).

The Department of Environment and Natural Resources (DENR) through the Biodiversity Management Bureau (BMB), Ecosystems Research and Development Bureau (ERDB), Forest Management Bureau (FMB), and Environmental Management Bureau (EMB); and the Department of Agriculture (DA) through the Bureau of Plant Industry (BPI), Bureau of Fisheries and Aquatic Resources (BFAR), and Bureau of Animal Industry (BAI) shall disseminate the NISSAP, undertake capacity building for field offices and other relevant agencies, coordinate the conduct of surveys and researches, undertake public awareness campaigns, and develop specific policy guidelines to ensure efficient and effective implementation of the NISSAP by all concerned.

The DENR, through the BMB and the DA through its Policy Research Service shall facilitate the creation of the inter-agency coordinating body for IAS. Further, the DENR and DA, in collaboration with other concerned agencies and stakeholders are hereby authorized to coordinate the implementation and mainstreaming of the NISSAP with the plans and programs of concerned national government agencies and local government units including government-owned and controlled corporations and government financial institutions and state universities and colleges. The NISSAP shall be revised and updated as often as necessary to integrate relevant developments on IAS management.

Funds for the implementation of the NISSAP shall be included in the annual budgetary proposal of concerned DENR and DA offices.

All Department Orders, Circulars, and other issuances inconsistent herewith are hereby amended, repealed, or modified accordingly.

This Order shall take effect immediately.

**ROY A. CIMATU**  
Secretary  
Department of Environment  
and Natural Resources

**WILLIAM D. DAR, PH.D.**  
Secretary  
Department of Agriculture



Department of Agriculture  
In reporting use the code:  
For Signature: 8-09-20-0000  
Received: 10-10-2020 08:21 PM



13 OCTOBER 2021, WEDNESDAY



# NEWS ALERTS

# COVID-19 NEWS

STRATEGIC COMMUNICATION AND INITIATIVES SERVICE





# DOH reports 8,615 new Covid-19 cases on Tuesday, due to lower lab output last Sunday

BY CLAUDETH MOCON-CIRIACO OCTOBER 12, 2021



The Department of Health (DOH) on Tuesday logged 8,615 additional Covid-19 cases, bringing the total number of infections in the country to 2,683,327.

“The relatively low cases today (October 12) is due to lower laboratory output last Sunday, October 10,” the DOH said.

There were also 25,146 recoveries and 236 deaths.

Of the total number of infections, 3.1 percent (82,228) are active cases, 95.4 percent (2,561,248) have recovered, and 1.49 percent (39,896) have died.

Fifty-seven duplicates were removed from the total case count. Of these, 38 are recoveries.

Moreover, 120 cases that were previously tagged as recoveries were reclassified as deaths after final validation.

All laboratories were operational on October 10, 2021 but 3 labs were not able to submit their data to the Covid-19 Document Repository System (CDRS).

Based on data in the last 14 days, the 3 non-reporting labs contribute, on average, 0.4 percent samples tested and 0.4 percent of positive individuals.

Source: <https://businessmirror.com.ph/2021/10/12/doh-reports-8615-new-covid-19-cases-on-tuesday-due-to-lower-lab-output-last-sunday/>





# COVID-19 infections sa Pilipinas papatak na sa 2.68 milyon, ayon sa DOH

(Philstar.com) - October 12, 2021 - 4:18pm



Commuters queue for EDSA Carousel bus at Nepa Q-mart station in Quezon City on Oct. 11, 2021.  
The STAR/Michael Varcas

MANILA, Philippines — Nakapagtala ang Department of Health (DOH) ng 8,615 bagong infection ng coronavirus disease, Martes, kung kaya nasa 2,683,372 na sumatutal ang nahahawaan nito sa bansa.

Batay sa mga bagong nakalap na datos ng Kagawaran ng Kalusugan, narito ang bagong mga pasok na datos para araw na ito:

- **lahat ng kaso:** 2,683,372
- **nagpapagaling pa:** 82,228, o 3.1% ng total infections
- **bagong recover:** 25,146, dahilan para maging 2,561,248 na lahat ng gumagaling
- **kamamatay lang:** 236, na siyang nag-aakyat sa total local death toll sa 39,896

Turok habang tulog?

- Nagbanta naman si Pangulong Rodrigo Duterte sa mga ayaw pa ring magpabakuna laban sa COVID-19, dahil kung hindi, maaari raw nilang "ipaakyat" ang bahay ng mga nabanggit [para turukan sila ng gamot habang natutulog](#).
- [liksi naman sa apat na oras](#) ang ipinatutupad na curfew sa Metro Manila simula bukas, ayon sa Metropolitan Manila Development Authority (MMDA). Aniya, 12:00 midnight hanggang 4:00 a.m. na lang daw ito ipatutupad dahil sa pagbaba ng kaso ng COVID-19 sa Kamaynilaan.
- Isa ang "economic scars" na iniwan ng COVID-19 pandemic sa Pilipinas ang nakaka-"turn off" ngayon sa foreign direct investments sa Asia Pacific, bagay na tatagal hanggang sa susunod na dekada, [ayon sa isang ulat](#).
- Nakakuha naman na ng [kumpletong COVID-19 doses ang nasa 23.36 milyong katao sa Pilipinas](#) simula nang umarangkada ito nitong Marso. Bahagi lang 'yan ng kabuuang 50.06 bakunang naiturok sa bansa ngayon.
- Umabot na sa 237.38 milyon ang tinatamaan ng COVID-19 sa buong daigdig, ayon sa huling datos ng [World Health Organization](#). Sa bilang na 'yan, patay na ang 4.84 milyong katao.

—James Relativo

Source: <https://www.philstar.com/pilipino-star-ngayon/bansa/2021/10/12/2133625/covid-19-infections-sa-pilipinas-papatak-na-sa-268-milyon-ayon-sa-doh/amp/>



# Curfew sa Metro Manila, mas pinaiksi pa

By [Mer Layson](#) (Pilipino Star Ngayon) - October 13, 2021 - 12:00am



Kahapon, nagkaniya-kaniyang post na sa kanilang mga social media pages ang mga information officers ng mga lokal na pamahalaan sa pagpapatupad ng curfew mula alas-12 ng hatinggabi hanggang alas-4 ng madal-ling araw. Ito ay mula sa dating curfew mula alas-10 ng gabi hanggang alas-4 ng madaling araw.

The STAR / Miguel de Guzman, file

## Mula 12 midnight hanggang 4 am

MANILA, Philippines — Inaprubahan na ng mga alkalde na miyembro ng Metro Manila Council (MMC) ang pinaiksing 'curfew hours' na uumpisahang ipatupad ngayong Miyerkules upang makatulong sa pagpapanumbalik ng ekonomiya.

Kahapon, nagkaniya-kaniyang post na sa kanilang mga social media pages ang mga information officers ng mga lokal na pamahalaan sa pagpapatupad ng curfew mula alas-12 ng hatinggabi hanggang alas-4 ng madaling araw. Ito ay mula sa dating curfew mula alas-10 ng gabi hanggang alas-4 ng madaling araw.

Unang sinabi ni Metropolitan Manila Development Authority (MMDA) Chairman Benhur Abalos na ito ay upang hayaan ang mas maluwag na galaw ng tao patungo sa kapaskuhan habang bumababa ang kaso ng COVID-19 sa rehiyon.

Sinabi ni Abalos na malaking dahilan ng pagluluwag ang pagbaba ng halos kalahati ng mga kaso sa NCR. Mula sa 38,471 kaso noong Setyembre 16, naitala ito sa higit 17,000 na lamang sa pag-uumpisa ng Oktubre.

Mula naman sa 1.25 reproduction number, bumaba na ito sa 0.61 nitong Oktubre 8 habang ang 2-week growth rate ay nasa -41.84 na nitong Oktubre 9 mula sa dating 24.33.

Bumaba na rin nang husto ang occupation rate ng mga pagamutan sa Metro Manila. Sa mga isolation facilities, naitala ito noong Oktubre 10 sa 42% mula sa 73% noong Setyembre 15, ang mga isolation hotels ay nasa 76% mula sa dating 91% at ang mga temporary treatment centers ay nasa 32% mula sa dating 76%.

Halos nasa 77% na rin ang mga residente ng Metro Manila na kumpleto na ang bakuna o 7.5 milyon. Inaasahan na aabot ang vaccination rate sa rehiyon sa 86% pagsapit ng Nobyembre 10.

Source: <https://www.philstar.com/pilipino-star-ngayon/metro/2021/10/13/2133761/curfew-sa-metro-manila-mas-pinaiksi-pa/amp/>



## ICU capacity in 10 regions at high risk

[Sheila Crisostomo](#) - The Philippine Star October 13, 2021 | 12:00am

MANILA, Philippines — The utilization rate of intensive care unit (ICU) beds allotted for COVID-19 patients are at high risk in 10 regions, according to the Department of Health.

DOH data showed that ICU beds in the Cordilleras, Cagayan Valley, Zamboanga peninsula, Calabarzon, Davao, Caraga, Central Luzon, Soccsksargen, Bicol and Bangsamoro Autonomous Region in Muslim Mindanao are between 70.83 to 88.41 percent occupied.

ICU bed occupancy in Ilocos, Western Visayas, Mimaropa, Northern Mindanao and Metro Manila are at moderate risk.

In Eastern Visayas, ICU bed utilization rate is at low risk.

DOH Undersecretary Maria Rosario Vergeire said Metro Manila showed a negative two-week growth rate for COVID-19 and a high-risk average daily attack rate.

“The ADAR decreased to 18.31 per 100,000 population in recent weeks. Its health system capacity is at moderate risk with total bed and ICU utilization rate at 51 and 69 percent, respectively,” Vergeire said.

The DOH said ICU bed occupancy in Metro Manila was at 68.9 percent as of Oct. 9, an improvement compared to 74.9 percent as of Oct. 1.

“The NCR total bed utilization is on a decline, currently at 53 percent,” Vergeire said.





# WHO advisory group urges extra Covid dose for immunocompromised

October 12, 2021, 2:33 pm



**GENEVA** – An advisory group to the World Health Organization (WHO) recommended Monday that people with weakened immune systems who have been fully vaccinated against the coronavirus disease 2019 (Covid-19) should get an additional dose of any WHO-approved Covid-19 vaccine.

"SAGE recommended that moderately and severely immunocompromised persons should be offered an additional dose of all WHO EUL Covid-19 vaccines as part of an extended primary series," the Strategic Advisory Group of Experts on Immunization (SAGE) said in a statement.

Vaccines will not be the only factor resulting in the end of the Covid-19 pandemic but are an important contributor to its end, experts from the group said, speaking about boosters and hesitancy.

At a UN press conference, the group said they met from October 4-7 to review the latest information and data on vaccines for Covid-19 vaccines and wanted to examine the issue more closely.

They said Covid-19 vaccine rollouts have started in all WHO regions, though the pace of vaccination varies considerably between and within regions, mainly driven by unequal access to vaccine supply.

Fifty-six countries found predominantly in the African and Eastern Mediterranean regions were unable to achieve the target of fully vaccinating 10 percent of their populations by September 2021, mainly because of a lack of vaccine doses.

"There's been much in the press, and much in the scientific literature... about the use of additional doses beyond those doses that were tested in the context of clinical trials, and the phrasing that is used around additional doses is often referred to as a booster dose," said Dr. Katherine O'Brien, the WHO's director of the Department of Immunization, Vaccines and Biologicals.

SAGE made its call since immunocompromised individuals are less likely to respond adequately to vaccination following a standard primary vaccine series and are at high risk of severe Covid-19.

## Complex issue around vaccines

"This is a complex issue around the different vaccines, the different risk groups, variants that are circulating, the time since vaccination, in other words waning of immunity or potential waning of immunity," O'Brien said.



"The outcomes of most interest are the severe outcomes: hospitalization, serious disease and death, and so all of these issues and topics will be looked at. Vaccines are not going to be the only thing that is going to result in the end of the pandemic, but they're an important contributor to the end of the pandemic," she added.

O'Brien said some estimates are expecting over 14 billion doses of vaccine in 2022.

That is more than enough to address the targets that the WHO has set out in its strategy of 70 percent full global vaccination coverage by the middle of 2022.

"The question is really now a sense of time urgency that those vaccines need to go to the places that are lagging," O'Brien said.

She said vaccine demand and acceptance and hesitancy are complex issues that are not uniquely about vaccines.

"They are also from the evidence that we see they're very much about social structures. They're about confidence in authority figures and authority institutions, which go well beyond the issue of vaccines," she said.

Dr. Alejandro Cravioto, the SAGE chair, said: "It is interesting that in some countries where there is a huge availability of vaccines, there is this hesitancy, while in others, people are rushing to get registered and queue for hours, sometimes to be able to get a dose." **(Anadolu)**



## PAGBABAKUNA VS COVID-19 'WAG IHALO SA PULITIKA



October 12, 2021 @ 8:12 AM 22 hours ago

MAY kanya-kanya nang diskarte sa pamumulitika mula sa nasyonal hanggang sa lokal na mga kandidato.

At kabilang sa mga diskarte ang paggamit ng pagbabakuna laban sa coronavirus disease-19 o COVID-19.

Pero paalala lang sa lahat ng politiko na hindi garantiya sa panalo sa politika ang pagkakaroon ng mas maraming napapabakunahan kumpara sa iba.

### SA IBANG BANSA

Sa halalang pambansa sa Israel nitong Marso 2021, may mga ulat na ginamit ni dating Prime Minister Benjamin Netanyahu ang masigasig na pagbabakuna laban sa COVID-19 bilang pambingwit ng boto.

Ngunit sa huli, tinalo siya ni Naftali Bennet sa ibang mga pamamaraan at siya ang pinaniwalaan ng mga mamamayan na mas makapagdadala ng pinakamagagandang bagay para sa Israel.

Sinasabing ginamit din umano ni dating United States President Donald Trump ang pagbabakuna bilang pambingwit ng boto.

Ginawa lahat ni Trump ang paraan para magkaroon ng bakuna laban sa COVID-19 at may maiturok na sa mga botanteng Amerikano bago mag-eleksyon noong Nobyembre 3, 2020.

Pero natalo pa rin siya bagama't nagbunga naman ang pagbabakuna gamit ang Pfizer simula noong Disyembre 15, 2020.

### SA PILIPINAS?

Alam na ng lahat ang paggamit umano ng mga kandidatong administrasyon ni dating Pangulong Benigno Aquino III ng bakunang Dengvaxia laban naman sa dengue.

Naging paspasan ang pagbabakuna ng Dengvaxia bago maghalalan noong Mayo 9, 2016 bilang pambingwit ng boto.

Subalit natalo ang kandidatong Pangulo na si dating Secretary Mar Roxas at nanalo si Davao City Mayor Rodrigo Duterte sa pangakong masosolusyonan ang problema sa droga, krimen at iba pa na makapagpapagaan sa buhay ng mga Pilipino.

### PAGBABAKUNA VS COVID-19

Aminin man o hindi ng mga politiko ngayon, isinasawsaw rin ng ilan o marami sa mga ito sa bakunang laban sa pandemya ang kanilang kandidatura sa halalang 2022.





Naniniwala silang kung mabilis at malawakan ang kanilang pagbabakuna, mahihikayat ang mga mamamayan na bumoto sa kanila.

Nagbubunga kasi ang mabilis at malawakang pagbabakuna ng malaking pagbabawas ng impeksyon, pagkakasakit, pagkakaospital at kamatayan ng mga mamamayang nababakunahan.

Kaya naman, bukod sa paglalaan ng pambansang pamahalaan ng mahigit sa P90 bilyong badyet dito sa una mula sa kaban ng bayan at utang mula sa mga dayuhang bangko, nagluwal din ang ilang lokal na pamahalaan ng kanilang pondo bilang kontribusyon sa pagbili ng bakuna.

‘Yung iba na walang maipambili ng bakuna, gaya ng mga maliliit na bayan, dinaraan sa sipag sa pagkuha ng ituturok na bakuna sa kanilang mga mamamayan.

At kanya-kanyang ulat kung gaano na kalaking bilang ng kanilang mga populasyon ang nabakunahan at pagbabakuna na rin sa iba na dumarayo at makinabang sa kanilang programa.

### **SA MGA LALAWIGAN**

Sa Metro Manila at kahit saan, walang magawa ang mga pambansa at lokal na pamahalaan kundi sumunod sa habilin ng donor ng bakuna gaya ng World Health Organization na nagsasabing dapat may mga uunahin bago ang iba.

Kasama na rito ang mga medical frontliner o health worker muna, mga senior citizen, mamamayang may mga comorbidity o dala-dalang sakit at iba pa.

Pero sa pagdating ng mga parte nila sa binili nilang bakuna, nagkaroon na ng paglawak o iba’t ibang uri ng mga mamamayang mababakunahan.

Pero sa mga lalawigan, anak ng tokwa, may mga bintang na matapos mabakunahan ang mga inilinya ng WHO na benepisyaryo, dinaraan na umano ang pagbabakuna sa mga kamag-anak, kaibigan, kakilala ng mga namumuno.

Kung gaano naging paghahanda sa halalan sa Metro Manila ang pagbabakuna, ganito rin ang natutunghayan sa mga lalawigan.

Sabi nga nila, A1 hanggang A5 lang dapat ang mabakunahan pero may mga A6 at A7 na rin na walang iba kundi ang mga pinapaburang mga mamamayan maaaring maging botante ng mga politiko.

Hindi pa natatapos ang pagbabakuna sa mga dapat na mabakunahan, nauna nang nagwawagayway ng vaccine card ang malalapit sa mga politiko.

### **HUWAG PULITIKAHIN**

Kaya naman, mariin ang habilin o pakiusap ngayon ni vaccine czar Carlito Galvez na huwag haluan ng politika ang programa sa bakuna.

Dapat umanong intindihin ng lahat ng mga politiko at awtoridad na giyera sa pandemya ang nilalabanan sa politika.

Nakatalaga ang mga pagbabakuna ng pambansa at mga lokal na pamahalaan sa pagliligtas sa mga mamamayan sa pagkakasakit, pagkakaospital at kamatayan.

At kung maganap ang malawakan at mabilisang pagbabakuna, hindi lang tayo maliligtas sa pandemya kundi makalalaya na rin tayo mula sa matinding krisis sa pagkain, trabaho, negosyo, edukasyon, pamamasyal, pamamahala at iba pa.



**#OneDENR**

**Covid-19  
Situation and Response**





# DOH COVID-19 CASE BULLETIN # 577

## OKTUBRE 12, 2021

Para sa kumpletong detalye at impormasyon, bisitahin lamang ang aming pampublikong site: <https://ncovtracker.doh.gov.ph/>

PORSYENTO NG AKTIBONG KASO

# 3.1%

TOTAL NG AKTIBONG KASO  
82,228

PORSYENTO NG GUMALING

# 95.4%

TOTAL NG GUMALING  
2,561,248

PORSYENTO NG NAMATAY

# 1.49%

TOTAL NG NAMATAY  
39,896

MGA BAGONG KASO **8,615**

MGA BAGONG GUMALING **25,146**

MGA BAGONG NAMATAY **236**

KABUANG BILANG NG KASO **2,683,372**

### MGA NAGPOSITIBO HULING OKTUBRE 10

DATOS NGAYONG OKTUBRE 12  
AYON SA REPORTS NOONG OKTUBRE 10

# 15.5%

PORSYENTO NG MGA  
NAGPOSITIBO

# 34,175

BILANG NG  
TINEST

HALOS

# 87.4%

ANG MILD AT  
ASYMPTOMATIC  
NA KASO!

**B**AWAL  
WALANG MASK  
AT FACE SHIELD

### KABUANG PILIPINAS

PUNO NA BA ANG ATING MGA OSPITAL?

ICU BEDS (4.4K TOTAL BEDS)  
**68%** Utilized

ISOLATION BEDS (21.2K TOTAL BEDS)  
**52%** Utilized

WARD BEDS (15.3K TOTAL BEDS)  
**54%** Utilized

VENTILATORS (3.2K TOTAL VENTILATORS)  
**50%** Utilized

### NATIONAL CAPITAL REGION

PUNO NA BA ANG ATING MGA OSPITAL?

ICU BEDS (1.5K TOTAL BEDS)  
**66%** Utilized

ISOLATION BEDS (4.9K TOTAL BEDS)  
**43%** Utilized

WARD BEDS (4.3K TOTAL BEDS)  
**49%** Utilized

VENTILATORS (1.0K TOTAL VENTILATORS)  
**51%** Utilized

### KALAGAYAN NG MGA AKTIBONG KASO

Mild 73.2%

14.2% Asymptomatic

1.6% Critical

3.8% Severe

7.28% Moderate



## UPDATE AND MESSAGE OF THE DAY

Iwasan nating maging kampante sa ating pag-iingat, at ipagpatuloy ang masusing pagsunod sa **Minimum Public Health Standards** upang tuloy-tuloy na maprotektahan ang ating mga komunidad laban sa COVID-19. Sa oras na makaramdam ng sintomas, agad na makipag-ugnayan sa **BHERTS** o sa **One COVID Referral Center** para sa karampatang gabay. Maabot ang One COVID Referral Center sa **1555, (02)886-505-00, 0915-777-7777, o sa 0919-977-3333.**

Para sa iba pang pangangailangang medikal, puntahan ang <http://bit.ly/DOHTelemedicine> upang malaman kung papaano maabot ang serbisyo ng ating **Telemedicine Service Providers**, at ang <http://bit.ly/DOHHospitalHotlines> para maabot ang ating mga ospital sa lalong mabilis na panahon.



Ihahanap ka namin ng lugar para mag-isolate o magpagamot, tumawag lang sa sumusunod:

SMART: 0919 977 3333  
GLOBE: 0915 777 7777  
TEL NO: (02) 886 505 00



May tanong ukol sa COVID-19?

I-chat na si KIRA!

VIBER: Kira Kontra COVID by DOH

MESSANGER: Department of Health PH

KONTRACOVID PH: [kontracovid.ph](https://kontracovid.ph)



Manatiling ligtas!

I-download ang StaySafe App

O Gamiting ang WEBAPP

at pumunta sa [Staysafe.ph](https://staysafe.ph)

MAYROON PANG KATANUNGAN? SUMANGGUNI LAMANG SA SUMUSUNOD:

OfficialDOHgov

@DOHgovph

[doh.gov.ph](https://doh.gov.ph)

(02) 894-COVID / 1555



13 OCTOBER 2021, WEDNESDAY



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
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
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



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



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



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


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




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



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

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MANILA BAY

MANILA BAY UPDATE TODAY/STORM MARING/OCTOBER 12,2021

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due to storm maring some garbage wash in n manila bay,this difficult job for DPS and DENR to collect garbage