



Republic of the Philippines
Department of Environment and Natural Resources
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MEMORANDUM

FOR/TO : **The Undersecretary**
Integrated Environmental Science

The Regional Executive Directors
CAR, NCR, Regions 1-13

The Bureau Directors
BMB, ERDB, EMB, FMB, LMB, MGB

The Heads of Attached Agencies
LLDA, NAMRIA, PCSDS, NWRB, MWSS, LWUA

The Service Directors
LAS, CCS, SCIS, AS, HRDS, IAS, FMS, KISS, FASPS

The Executive Directors
RBCO, MBCO, PRCMO, IPC-MBARMMA, LLO

The Directors
DENR Task Force – ELEPS
Special Projects and Priority Programs
Document Management and Operations Support

The Head
DENR-CARP NCO

FROM : **The Undersecretary**
Policy, Planning and International Affairs

SUBJECT : **REQUEST FOR SUBMISSION OF INPUTS TO THE DENR
ANNUAL REPORT FOR FY 2023**

DATE: **NOV 15 2023**

Pursuant to Section 5 of RA 6713 (An Act Establishing a Code of Conduct and Ethical Standards for Public Officials and Employees), all heads or other responsible officers of offices and agencies of the government and of Government-Owned or Controlled Corporations (GOCCs) shall, within 45 working days from the end of the year, render a performance report of the agency or office or corporation concerned.

In this regard, the Planning and Policy Service (PPS) is now laying the groundwork for the crafting of the DENR Annual Report for FY 2023 which shall focus on the key accomplishments of the Department in promoting the sustainable management of natural resources and protecting the environment.

You are hereby enjoined to submit inputs to the said Report following the attached outline. In connection with item 3A (Highlights of Accomplishments), please provide updates on the attached DENR Inputs to the President's Report to the People 2022-2023 in his 2nd State of the Nation Address (SONA). You may include other significant data/information relative to safeguarding the integrity of the environment and accelerating climate action and strengthening disaster resiliency.

It is essential to incorporate in your report charts, tables, infographics, visuals and statements of the beneficiaries of Programs/Activities/Projects (PAPs) implemented for better appreciation of accomplishments.

Please submit your report not later than **15 January 2024**, together with the attached Form 1 duly accomplished and approved by the Head of Office through e-mail at ppso.pmed@denr.gov.ph. Submissions of the Bureaus and Services must be reviewed and endorsed by their Supervising Assistant Secretary and Undersecretary.

Further, we request you to submit through the same email address the focal person who will serve as our main point of contact regarding the Annual Report on or before **30 December 2023**.

For convenient perusal and in compliance with RA 6713, the Regions, Bureaus and Attached Agencies are required to post their narrative Annual Performance Report (APR) through their respective websites, following the prescribed outline, **by the end of January 2024**.

For your compliance.



ATTY. JONAS R. LEONES

OUTLINE OF ANNUAL REPORT FOR FY 2023

- I. INTRODUCTORY MESSAGE OF THE HEAD OF THE OFFICE
- II. EXECUTIVE SUMMARY. Overview of the physical and financial accomplishments for the year and overall assessment of performance
- III. HIGHLIGHTS OF ACCOMPLISHMENTS
 - A. Updates on the DENR Inputs to the President's Report to the People 2022-2023 in his 2nd State of the Nation Address (SONA)

Other data/information relevant to safeguarding the integrity of the environment and accelerating climate action and strengthening disaster resiliency
 - B. Support to Operations (STO)
 - C. General Administrative Support Services (GASS)
- IV. POLICY AND IMPLEMENTATION ISSUES AND ACTIONS TAKEN. Challenges, including constraints and bottlenecks in implementation and coping mechanisms.
- V. WAY FORWARD. Priority and new strategies to help achieve the goals and objectives of the organization in pursuit of the thrusts and directions of the present administration.
- VI. TABLES AND ANNEXES. Utilize the attached *Form 1 (for Regional Offices and DENR Central Office Delivery Units, Bureaus and Attached Agencies)* to report the Physical and Financial Performance as of 31 December 2023. The Programs/Activities/Projects (PAPs) and performance indicators to be reflected in *Form 1* must be in accordance with the Approved Work and Financial Plan (WFP). For the Regional Offices, provide the breakdown by PENRO and CENRO.

Strictly fill out the "Remarks" column indicating the reasons/ factors for positive and negative deviations, for both physical and financial performance.



Office of the President of the Philippines
PRESIDENTIAL MANAGEMENT STAFF
Malacañang

**FOR DENR VETTING AND CONFORME
PRESIDENT'S REPORT TO THE PEOPLE 2022-2023**

Chapter 3: Paving the Way for Sustainable Progress

Promoting the Sustainable Management of Natural Resources and Protecting the Environment

SAFEGUARDING THE INTEGRITY OF THE ENVIRONMENT

Advancing Integrated Management of Water Resources

The country's water-related functions are lodged in over 20 agencies resulting in challenges in supply, distribution and management of water resources at all levels and across all sectors.

The DENR is strengthening water governance through integrated water resources management (IWRM) by consolidating all agencies with water-related functions under the Water Resource Management Office (WRMO). This Office is created pursuant to EO 22 to promote integration and coordination among different departments and offices as a whole of government effort. WRMO is co-handling with DPWH and DILG the technical management of nationally funded water supply projects worth Php14.6B. Moreover, some of the Php276B worth of DPWH flood control projects will be repurposed to address multiple needs such as dams, water impoundment for irrigation, power generation, and domestic water use. To address the potential impact of climate change and extreme weather events such as shortage of water supply in the country due to El Niño, the WRMO proposed the issuance of Memorandum Circular 22 directing all government agencies to conserve water. The conservation program, in coordination with the two Metro Manila concessionaires, is currently working with the top six government agencies that use the most water to reduce their consumption. We target the savings of at least five million liters of water per day through pipe replacement and internal conservation measures, including leaks management of government agencies, in the next two months in order to assure additional supply for Metro Manila. The WRMO issues national bulletins as guidance for water conservation for public and private sectors.

Protecting and Conserving the Country's Rich Biodiversity

The Philippines is among the world's mega-biodiverse countries, with very high species endemism, and critical and varied habitats that support natural resources needs.

This Administration consistently aims to protect and conserve the integrity of our ecosystems in pursuit of SDGs 14 and 15 for the protection of life below water and on land. Under the

National Greening Program (NGP), we sustained efforts to restore and regenerate 7.1 million ha of the remaining classified forestlands in need of critical rehabilitation.¹

From July 2022 to June 2023,
32,217,360 seedlings of various
species were planted in 43,607.11 ha
of new plantations established under the
NGP, while 191,082 ha of existing
plantations are funded to be maintained
and protected.

Source: DENR-FMB

There are 248 nationally managed Protected Areas in the Philippines and this administration remains steadfast in its commitment to the diligent and continued responsible management of roughly 4.6 million ha of land and 3.1 million ha of sea within the National Integrated Protected Areas System (NIPAS). It places utmost importance on ensuring the protection and preservation of these areas, safeguarding their ecological integrity for future generations.²

While we continue to protect and rehabilitate our forests, managing our coastal and marine ecosystems is equally as important. Thus, we have so far assessed the status of 38,230.41 ha of corals, 23,019.94 ha of seagrasses, and 20,686.40 ha of mangroves.³ This will ensure the continuous flow of ecosystem services including fisheries production, coastal protection, carbon sequestration, and sustainable tourism, among others. With these, we continue to deliver on the Philippine commitments to the Paris Agreement, Sendai Framework for Disaster Risk Reduction (SFDRR) and the landmark Kunming-Montreal global biodiversity agreement in 2022. The Philippines is part of the High Ambition Coalition for Nature and People which is committed to protect and conserve 30% of the global land and sea areas by 2030. We project an estimated 16% potential coverage of sea areas and of high biodiversity and conservation value to be under protection by 2030. These areas will be increased by the inclusion of other effective area-based conservation measures, including indigenous and traditional territories, with full respect to the rights of indigenous peoples and local communities.

To protect our genetic resources and associated traditional knowledge, we are advancing practical bilateral and multilateral arrangements that ensure benefit-sharing through fair access and utilization.

As of May 2023, a total income of Php 162,030,359.48 was generated from management of Protected Areas⁴. Ecotourism jobs have more than doubled in the last five years, promoting practices, products and services that enhance biodiversity. Regulations for Mainstreaming Biodiversity-Friendly Agricultural Practices have already been rolled out nationwide. Through the Green Economy Model, major tourist destinations that support green livelihoods of local communities and generate income for local government units are being catalyzed.

¹ Forest Management Bureau. (2023). DENR Forest Management Bureau Accomplishment Report as of June 2023. Quezon City: FMB.

² Biodiversity Management Bureau. (2023). DENR Biodiversity Management Bureau Accomplishment Report as of June 2023. Quezon City: BMB.

³ Biodiversity Management Bureau. (2023). DENR Biodiversity Management Bureau Accomplishment Report as of June 2023. Quezon City: BMB.

⁴ Biodiversity Management Bureau. (2023). DENR Biodiversity Management Bureau IPAF Report as of May 2023. Quezon City: BMB.

Employing Innovative Science and Technology in Environmental and Natural Resource Management

To account for nature's role in human well-being and the economy, we need to map and measure what we treasure – our natural resources and the ecosystem services that they provide – using the best science and technology.

The DENR is supporting the Natural Capital Accounting Program led by NEDA where natural capital is being identified, accounted and valued for the benefits that nature provides to human development and the economy.

The DENR established the Geospatial Database Office (GDO) to develop the National Natural Resources Geospatial Database (NNRGD) as a platform for environmental governance and the integrated planning and implementation of disaster risk reduction and climate-proof strategies. The GDO catalogs all our natural resources including land, forests, water and minerals using satellite images and drones to survey natural and man-made changes within our islands. The NNRGD serves as a critical decision support tool to monitor compliance, enforce rules and regulations, and conduct research on the use of our natural assets. Since its establishing in January 2023, GDO has uploaded over 1,300 maps and prepared 21 use cases, including NGP plantations, forest cover, river basins, mineralized areas and active mining sites, protected area buffers, mangrove areas, and the location of all permitted industries.⁵ Moreover, we identified priority areas for reforestation and other forestry investments for uploading in the NNRGD. Among the 2 million ha for reforestation, 1 million ha have been identified and mapped as suitable Potential Investment Areas.⁶

Enhancing Waste Management and Promoting Circular Economy through Strong Private Sector Participation and Support to Informal Waste Sectors

With strong economic growth and increased consumer demand, the Philippines generates an enormous amount of plastic waste that puts ecosystems and development at risk.

With the passage of RA No. 11898, "An Act Institutionalizing the Extended Producer Responsibility on Plastic Packaging Waste" or the Extended Producer Responsibility (EPR) and the issuance of the implementing guidelines by the DENR, large private enterprises and MSMEs are obliged to undertake waste recovery schemes in pursuit of a circular economy. These obligations include the diversion, transportation and disposal of recovered waste and the clean-up in coastal and public areas. To comply with these obligations, enterprises are required to establish diversion or disposal facilities and partner with local governments, communities and informal waste sectors.

The EPR law requires obliged enterprises to divert 20 percent of plastic waste they produced in 2022 by the end of 2023 and further to 80 percent by 2028. These initiatives promote sustainable consumption and production through effective waste management and support

⁵ DENR. (2023). *Geospatial Database Office Accomplishment Report as of June 2023*. Quezon City: DENR.

⁶ Forest Management Bureau. (2023). *DENR Forest Management Bureau Report as of June 2023*. Quezon City: FMB.

the development of green jobs and industries thereby reducing emissions and increasing efficient use of natural resources.

As of June 30, 2023,
642 enterprises registered
in the Extended Producer
Responsibility Program
nationwide

Source: DENR-EMB

ACCELERATING CLIMATE ACTION AND STRENGTHENING DISASTER RESILIENCY

Mobilizing Climate Finance and Investments on Nature

The Philippines is among the countries highly at risk to the impacts of climate change and multiple hazards because of development choices in the past that have increased exposure and vulnerability of people, critical infrastructure, and ecosystems.

Between 2011 and 2021, the total amount of losses and damage incurred due to tropical cyclones is estimated at Php 672 billion.⁷ To complement our efforts to fund climate action, the DENR and other government agencies are actively engaging our international partners and accessing international climate financing. Under these collaborations, the DENR has mobilized an estimated USD 91,396,151 or Php 5,138,245 billion to support the implementation of 12 environmental projects and enhance delivery of our international commitments.⁸ These projects cover intersecting goals on forestry, land management, biodiversity, environment and climate change. In addition, an amount of USD 52.76 million or Php 2.6 billion funding support was allocated to the Philippines under the eighth funding replenishment cycle of the Global Environment Facility, which is the country's largest allocation so far.⁹

A total of 18 Resilience Roadmaps with Investment Portfolio for Risk Resilience has been developed for 14 climate-vulnerable provinces and four major urban centers representing 40.2M of the country's population. These roadmaps recommend specific and contextualized resilience measures to address climate and disaster vulnerabilities and enable effective risk management at the local level.^{10, 11}

⁷ OCD. (2022). *Report on Damage and Losses as of 2021*. Quezon City: OCD Post Disaster Evaluation and Management Division.

⁸ DENR. (2023). *Foreign-Assisted and Special Projects Service Monitoring Report as of June 2023*. Quezon City: DENR.

⁹ DENR. (2023). *Foreign-Assisted and Special Projects Service Monitoring Report as of June 2023*. Quezon City: DENR.

¹⁰ Siquijor, Eastern Samar, Northern Samar, North Cotabato, Maguindanao, Sulu, Lanao del Sur, Catanduanes, Apayao, Kalinga, Mt. Province, Ifugao, Southern Leyte, Bukidnon and Metro Manila, Metro Iloilo, Metro Cebu, and Metro Davao.

¹¹ DENR (2023). *Risk Resiliency Roadmap Investment Portfolios*. Quezon City: DENR

Hazard Management through Local and International Collaboration

The country is building capacity to shift its risk paradigm by implementing an all-hazards approach.



Residents of affected coastal areas in Oriental Mindoro prepare improvised spill booms made of locally available organic materials.
Source: DENR

The Department played an active role in responding to environmental disasters such as the oil spill incident on February 28, 2023 as a result of the sinking of the MT Princess Empress off Naujan, Oriental Mindoro. Risk management began with the location of the sunken vessel by NAMRIA's Barko ng Republika ng Pilipinas (BRP) Ventura through the multibeam survey. This led to the projections of oil spill trajectory by DENR partners including University of the Philippines- Marine Science Institute (UP MSI), US National Oceanic and Atmospheric Administration (NOAA), United States Agency for International Development (USAID) and the private sector. These scientific and technical collaborations supported the efforts of the Philippine Coast Guard, US NAVY and the Japanese Disaster Response Team. The DENR continues to pursue strong interagency and interdisciplinary collaboration for biodiversity and environmental impact assessments for the recovery, rehabilitation, regeneration, and restoration of damaged ecosystems.

In cooperation with various agencies, partners and local communities, 6,901 liters of oil waste and 367,512.90 liters of oil-contaminated waste have been collected.¹² As of June 16, 2023, after months of inter-agency response and recovery operations, the oil siphoning by the Singapore Dynamic Support Vessel (DSV) Fire Opal has been completed.¹³

The spill area is adjacent to the Verde Island Passage (VIP), the center of the center of marine shorefish biodiversity in the world.¹⁴ This area is particularly important for its coral reef habitats, with its strong currents and upwelling providing a refuge from ocean warming due to climate

¹² DENR MIMAROPA. (2023). *Task Force Mt. Princess Empress Oil Spill Incident Final Situational Report No. 47* dated June 21, 2023. Manila: DENR MIMAROPA.

¹³ Philippine Coast Guard (2023). *Situational Report as of 16 June 2023*. Manila City: PCG

¹⁴ Carpenter, K. E., & Springer, V. G. (2015). *The center of the center of marine shore fish biodiversity: The Philippine Islands*. *Environmental Biology of Fishes* 72, 467-480.

change. The DENR is supporting five provinces namely Oriental and Occidental Mindoro, Batangas, Romblon and Marinduque to consider seeking the declaration of VIP as a nationally managed marine protected area. Once established, the VIP would be the most expansive nationally-managed marine protected area in the Philippines, encompassing a vast 1.3 million hectares.

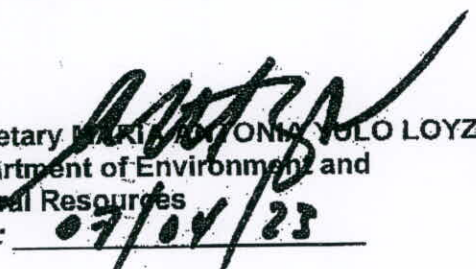
Engaging Local Governments in Multi-stakeholder ENR Governance

Integrated approaches enable local governments to achieve resilience in the face of complexity and uncertainty.

Adopting a comprehensive risk management approach to multi-stakeholder ENR governance, Project TRANSFORM (Transdisciplinary Approach for Resilient and Sustainable Communities) was launched with partner LGUs including Ormoc City, Leyte, Bataan, and select municipalities of Surigao del Norte, including the Siargao Islands. Resource networks provide LGUs with access to technical and financial assistance for ecosystem conservation and protection and development of resource-based enterprises enhancing community resilience. Project TRANSFORM is a replicable whole of government and whole of society partnership for environment and natural resource management, climate and disaster resilience and socio-economic development.

To advance nexus governance and as part of the Philippines' global commitments, we are actively participating in various international activities to strengthen our partnerships with international bodies. These include the 27th Conference of Parties to the UN Framework Convention on Climate Change (COP27) in November 2022; 15th Conference of Parties to the UN Convention on Biological Diversity (COP15) in December 2022; 2023 UN Water Conference in March 2023; and the High-Level Meeting on the Midterm Review of SFDRR in May 2023. The DENR led the delegation to the 2022 Asia Pacific Ministerial Conference on Disaster Risk Reduction (APMCDRR) and will host the 2024 APMCDRR. This Conference will bring together around 3,000 delegates from the Asia-Pacific region to accelerate the implementation of the SFDRR and strengthen cooperation on DRR in Asia-Pacific.

Conforme:


Secretary MARIA ANTONIA YOLO LOYZAGA
Department of Environment and
Natural Resources

Date: 07/04/23





Office of the President of the Philippines
PRESIDENTIAL MANAGEMENT STAFF
Malacañang

**FOR DENR VETTING AND CONFORME
PRESIDENT'S REPORT TO THE PEOPLE 2022-2023**

***Advancing Low Carbon Economy through Critical Minerals
Development***

Critical minerals development is essential to achieving decarbonization targets and promoting a just transition towards a green economy.

The Philippines is recognized as the fifth most mineralized country in the world with estimated untapped reserves of approximately USD900 billion.¹ The DENR has identified nine million ha as highly mineralized areas². We are a major producer of gold, nickel³, copper and cobalt, and non-metallic minerals, which are essential for construction and infrastructure development. As of June 2023, the total production value of mining was Php 315 billion, which include large scale metallic mining, non-metallic mining, and gold sold to Bangko Sentral ng Pilipinas.⁴

The shift to renewable energy towards net zero by 2050 will drive the demand for metallic minerals especially copper and nickel for storage, turbine production, transmission and distribution among others. By 2040, global mineral demand is expected to rise at least four times.⁵ The DENR is designing a new critical minerals strategy and is committed to mitigating climate change impacts and accelerating the energy transition towards a low carbon future by prioritizing policies and initiatives on metals and minerals needed for clean energy technologies.

Minerals are part of our daily lives and are used in one form or another across all industries. They are needed to build a sustainable, industrialized and digital society. The DENR is pursuing a strategic convergence policy with NEDA, DOE, DOF and DTI. This will include creation of new opportunities and priorities in exploration, development and processing of mineral resources in order to accelerate production to participate and compete in regional and global supply and value chains.

Conforme:



Secretary MARIA ANTONIA YULO LOYZAGA
Department Of Environment and
Natural Resources
Date: 7/4/2023

¹ Australian Trade and Investment Commission, Government of Australia. Mining to the Philippines Trends and Opportunities. Available at <https://www.austrade.gov.au/australian/export/export-markets/countries/philippines/industries/mining>

² DENR. (2023). DENR to Strengthen Mining Sector for PH Economic Growth. Press Release on 9 November 2023. Available at <https://www.denr.gov.ph/index.php/news-events/press-releases/4604-denr-to-strengthen-mining-sector-for-ph-economic-growth>

³ Ernst and Young. (2022). Top 10 business risks and opportunities for mining and metals in 2023. Available at https://assets.ey.com/content/dam/ey-sites/ey-com/en_gl/topics/mining-metals/ey-top-10-business-risks-and-opportunities-for-mining-and-metals-in-2023.pdf.

⁴ DENR. (2023). Mining Industry Statistics CY 2020 to Q1 CY 2023. Quezon City: Mines and Geosciences Bureau.

⁵ International Energy Agency. (2022). The Role of Critical Minerals in Clean Energy Transitions. World Energy Outlook Special Report. Available at <https://iea.blob.core.windows.net/assets/fd2a83b-8c30-4e9d-980a-52b6d9a86fdc/TheRoleofCriticalMineralsinCleanEnergyTransitions.pdf>

PHYSICAL AND FINANCIAL PERFORMANCE FOR CY 2022

Form 1

Office: _____

Regions

Programs/Activities/Projects (P/A/Ps)	PERFORMANCE INDICATORS	OFFICE	PHYSICAL PERFORMANCE						Expense Class (Capital Outlay, MOOE,PS)	FINANCIAL PERFORMANCE								REMARKS/Justifications for those activities with minor deviation-70%-99% major deviation-below 70% over accomplishment- >130%
			Target		Accomplishment		% Accomp.			Allotment	Obligation		Disbursement		% Budget Utilization Rate (BUR)			
			Annual	This Month	This Month	To Date	This Month	Annual			This Month	To Date	This Month	To Date	(Oblig/Allot)* 100	(Disb/Allot)*100	(Disb/Oblig)* 100	
1	2	3	4	5	6	7	8= 7/5	9= 7/4	10	11	12	13	14	15	16 = (13/11)*100	17 = (15/11)*100	18 = (15/13)*100	19
	Indicator 1	Region Regional Office PENRO 1 CENRO 1 CENRO 2 PENRO 2 CENRO 1 CENRO 2																

Prepared by:

Approved:

Planning Officer

Head of Office

PHYSICAL AND FINANCIAL PERFORMANCE FOR FY 2023

Form 1

Office: _____

DENR-Central Office Units, Bureaus, Attached Agencies

Programs/Activities/Projects (P/A/Ps)	PERFORMANCE INDICATORS	PHYSICAL PERFORMANCE						Expense Class (Capital Outlay, MOOE,PS)	FINANCIAL PERFORMANCE							REMARKS/Justifications for those activities with minor deviation-70%-99% major deviation-below 70% over accomplishment- >130%	
		Target		Accomplishment		% Accomp.			Allotment	Obligation		Disbursement		% Budget Utilization Rate (BUR)			
		Annual	This Month	This Month	To Date	This Month	Annual			This Month	To Date	This Month	To Date	(Oblig/Allot)* 100	(Disb/Allot)*100		(Disb/Oblig)* 100
1	2	3	4	5	6	7= 6/4	8= 6/3	9	10	11	12	13	14	15 = (12/10)*100	16 = (14/10)*100	17 = (14/12)*100	18

Prepared by:

Approved:

Planning Officer

Head of Office