

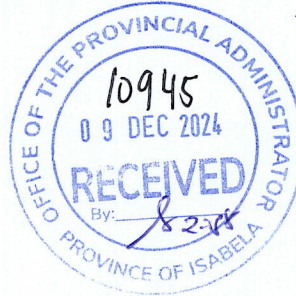


Republic of the Philippines
PROVINCE OF ISABELA
 Alibagu, City of Ilagan



ENVIRONMENT & NATURAL RESOURCES OFFICE

December 09, 2024



HON. RODOLFO T. ALBANO III
 Governor
 Province of Isabela

Thru: **NOEL MANUEL R. LOPEZ**
 Provincial Administrator

#7979-24

Sir:

Greetings!

May I respectfully submit herewith the Accomplishment Report of the Environment and Natural Resources Office for the month of November, 2024 in the Implementation of the different Forest and Environment Programs, Projects, and Activities in accordance with the main thrusts and priority programs of the Provincial Government as mandated under the Local Government Code of 1991.

For his information and record.

Very truly yours,


GERONIMO P. CABACCAN, JR.
 ENR Officer





Accomplishment Report

PROGRAM/PROJECT/ACTIVITY	PROJECT DESCRIPTION	STATUS/REMARKS/ ACCOMPLISHMENT
I. FOREST MANAGEMENT AND CONSERVATION DIVISION		
A. Forest Resources Development Activities:		
1. Nursery Operations & Maintenance Works		
<p>a. Production/Propagation and Disposition of seedlings</p>	<p>Production, propagation and procurement of seedlings stock and disposition of seedlings</p>	<p>Beginning balance: 40,634 seedlings to include Agoho, Balitbitan, Golden Shower, Ipil, Kamagong, Rain Tree, Mahogany, Narra, Talisay, Tindalo, Tuai, Antipolo, Bignai, Cacao, Calamansi, Citrus/Mandarin, Guyatis, Langka, Lansones, Kape, Mangga, Mangosteen, Pomelo, Rambutan, Tamarind, Santol, Satsuma, Bamboo, Coconut, and Palm;</p> <p>Number of seedlings produced: 587 seedlings consist of 357 forest trees and 200 fruit-bearing trees.</p> <p>Number of seedlings released: A total of 11,272 assorted seedlings were disposed to various requesting constituents.</p> <p>Mortality rate: The mortality rate stands at 0.81%, resulting in 334 seedlings lost.</p> <p>This month, a total of seventeen (17) seedling requests were received. Sixteen (16) have been distributed to various public and private entities to include the 2 seedling requests last month.</p> <p>Stock balance: 29,615 seedlings as of November 31, 2024.</p>
<p>b. Maintenance works</p>	<p>Maintenance of Provincial Nursery; Operation of Clonal Nursery; Brushing, ring weeding and greening of two nurseries; arrangement and sorting of seedlings for hardening; seeds and wildlings collection and propagation; and other activities that may be assigned to be accomplished during the period</p>	<p>Six workers were hired through a Job Order Contract and were supervised and guided by ENRO technical personnel. Regular maintenance activities at the nursery includes enhancing seedling beds, potting soil for seeds, collecting seeds and wildlings, transplanting, sorting seedlings, and watering plants.</p>

2. Climate Change Mitigation/
Adaptation and DRRM Initiatives

Implementation of forest rehabilitation and other greening efforts such as but not limited to watershed rehabilitation, agro-forestry/urban greening, riparian rehabilitation & development, mangrove & beach forests rehabilitation with the aim to reduce the causes of global warming and its effect to biodiversity; and protect communities from risks of hazards caused by natural calamities.

Riparian Rehabilitation & Development Project

- 1-km riparian was rehabilitated along water tributaries of Brgy. Santiago, Reina Mercedes, Isabela in partnership with the Municipal Local Government Unit thru its Municipal Environment and Natural Resources Office. A total of 1,000 bamboo propagules were already planted with 5 sacks of organic fertilizer were applied to the seedlings.
- 1-km riparian was rehabilitated along water tributaries of Tumauni, Isabela in partnership with the Municipal Local Government Unit thru its Municipal Environment and Natural Resources Office. A total of 1,000 bamboo propagules were already planted.

Agroforestry Project

- Five-hectare agroforestry project is fully implemented at Capirpiriwan, Cordon, Isabela in partnership with the Municipal Local Government Unit of Cordon thru its MENR Office. A total of 1,900 assorted fruit and forest tree seedlings with 19 sacks of organic fertilizer were provided to the MLGU. As of reporting period, personnel from this office joined the MLGU of Cordon in the scheduled planting activity in November 29, 2024, to supervised and give technical assistance in the implementation of the project.
- Two-hectare agroforestry project is implemented at Brgy. Villa Miguel, Quirino, Isabela in partnership with the Municipal Local Government Unit of Quirino thru its MENR Office. A total of 800 assorted fruit and forest tree seedlings were planted.

Watershed Rehabilitation Project

- Two- hectare watershed rehabilitation project were implemented at Brgys. Aguinaldo, Cabaruan and Minallo, Naguilian, Isabela in partenership with the Municipal Local Government of Naguilian thru its MENR Office. A total of 2,200 assorted seedlings were already planted by the MLGU personnel, tupad beneficiaries and other partner agencies on November14, 2024.
- Two-hectare watershed rehabilitation project is implemented at Brgy. Villa Miguel, Quirino, Isabela in partnership with the Municipal Local Government Unit of Quirino. A total of 2,224 assorted fruit and forest tree seedlings was provided to the MLGU. As of reporting period, personnel from this office monitored the project with 100% of the seedlings were already planted in the project area.
- Four-hectare watershed rehabilitation project is implemented at Brgy. Namnama, Tumauni, Isabela in partnership with the Municipal Local Government Unit thru its MENR Office. A total of 1,020 assorted fruit and forest tree seedlings were already planted with 10 sacks of organic fertilizer were applied in the seedlings planted.

		<p>Mangrove Rehabilitation and Development Project 8 hectares of Mangrove Forest with allocations of 5 hectares in Divilacan, 2 hectares in Palanan and 1 hectare in Maconacon, Isabela. Plantation establishment is already implemented.</p> <ul style="list-style-type: none"> •Divilacan Brgys. Dimasalansan and Dipudo were implemented with a total of 12,500 bakauan propagules planted in the project site. • Palanan: Two-hectare mangrove rehabilitation project is implemented at Brgy. Maligaya, with a total of 5,000 bakauan propagules planted. • Maconacon Brgys. Minanga and Malasin were implemented with a total of 2,500 bakauan propagules planted. <p>Beach Forest Rehabilitation Project 8 hectares of Beach Forest with allocations of 4 hectares in Divilacan, and 4 hectares in Palanan, Isabela. Plantation establishment is already implemented.</p> <ul style="list-style-type: none"> •Divilacan: Beach Forest at Sitio Lanai is being implemented and planted with botong, talisay and agoho. •Palanan: Two-hectare beach forest Sitio Sabang, Brgy. Maligaya and Brgy. San isidro were already implemented with a total of 5,000 botong, talisay, and agoho seedlings planted in 2x2 meter spacing.
B. Forest Protection and Law Enforcement Activities:		
1. Manning of Checkpoints		
a. Foot/mobile Patrolling and Surveillance	Foot/mobile patrolling and surveillance of illegal cutting and transporting of forest products.	<p>ENRO and ISEP-TF personnel conducted surveillance and mobile patrolling in the following areas:</p> <ul style="list-style-type: none"> -Alinguigan 3rd, Alinguigan 2nd, Malalam, Fuyo, San Ignacio, San Juan, Capellan, Batong Labang, San Lorenzo, Bintacan, Cabisera 8, Cabisera 14-15, Cabisera 22, Sitio Lagis, Sindon Bayabo, and other forest barangays of City of Ilagan, Isabela; -San Vicente/Tupa, San Pablo, Isabela; -Magassi, Masipi East, and Masipi West, Cabagan, Isabela; -Antagan, Cumabao, Dy-Abra, Tumauni, Isabela; -Benito Soliven and San Mariano areas; -Ilagan-Divilacan Road Rehabilitation Project (IDRRIP) - Forest region of Jones and San Agustin, Isabela.
b. Apprehension/Confiscation	Apprehension/confiscation of illegally cut and transported forest products	No apprehended/confiscated of illegally cut and transported forest products but continuous conduct of forest protection activities is being undertaken.
2. Donation/Utilization of Forest Products	Granting of request for wood materials	800 bdf. was utilized in various PGI Projects.

<p>C. Activities Undertaken in Support of IDDRIP</p>	<p>Patrol works and monitoring activities and maintenance of reforestation areas</p>	<p>ISEP-TF and ENRO personnel consistently carried out monitoring and maintenance activities in the IDRRIP reforestation areas.</p> <p>Also, on November 19-20, 2024, ENRO staff supervised site preparation and assessed the contractor's progress on the reforestation project along the Ilagan-Divilacan Road. This joint team included personnel from DENR-CENRO Naguilian and PGI-ENRO. Activities carried out included:</p> <ul style="list-style-type: none"> -The team inspected the plantation establishment of the 300-hectare reforestation projects of the PGI awarded to Rang-ayan Nature Spring Farmers Multi-Purpose Project Cooperative. A total of 187,500 pieces of assorted indigenous seedlings were planted and maintained. -Strip brushing, staking, application of fertilizer, and other maintenance activities were also conducted. <p>Overall, the plantation established was already successfully implemented. However, there were some delays in work activities due to bad weather condition.</p>
<p>D. Other Related Activities</p>		
<p>1. Writeshop for the updating of Tumauni Watershed Natural Park Ecotourism Management Plan cum Stakeholders Consultation</p>		<p>Personnel from this office attended a writeshop for the updating of Tumauni Watershed Natural Park Ecotourism Management Plan cum Stakeholders Consultation, on November 14-15, 2024 at CENRO-Cabagan.</p>
<p>2. Water Quality Management of Calao-Deliquente-Diadi River System WQMA</p>		<p>On November 21, 2024, this office thru its personnel attended the Calao-Deliquente-Diadi River System Quality Management Area (CDDRS WQMA) 4th Quarter Governing Board Meeting held at Santiago City, Isabela.</p>
<p>3. Comprehensive Development Management Plan (CDMP) of Philnew Hydro Power Corporation (CHPC)</p>		<p>Personnel from this office attended a meeting with the Technical Working Group (TWG) reviewed and discussed the Comprehensive Development Management Plan (CDMP) of Philnew Hydro Power Corporation (CHPC) and formulate/discuss the Work and Financial Plan (WFP) of the Tumauni Watershed Natural Park CY 2025 under Integrated Protected Area Plan.</p>

4. Writeshop on the updating and finalization of TWNP Ecotourism Management Plan		Personnel from this office attended the writeshop on the updating and finalization of TWNP plan.
5. Maintenance of Isabela Provincial Eco-Park	Maintenance of 3.3 hectares Isabela Provincial Eco-Park (IPEP) to include the Permaculture Building.	The Job Order service providers consistently and routinely perform housekeeping, landscaping, beautification, herbal garden maintenance, composting, tree park maintenance, and pathway upkeep activities at the Isabela Provincial Eco-Park.
6. Isabela Rattan Processing Shared Service Facility Activities		<p>The Job Order service providers at IRPSSF undertook the following activities:</p> <ul style="list-style-type: none"> •Inventory of Rattan sticks, utilized as raw materials in the facility. •Removed undesirable species of weeds within the vicinity of Rattan facility •Conducted tree planting activities and also applied organic fertilizer to the planted various species of seedlings in the vicinity of the Rattan facility. •Maintained the cleanliness and orderliness of the facility. •Conducted an inventory of equipment. • Assisted in the 4-Day Intensive Skills Training on Rattan Basket Weaving.
II. ENVIRONMENTAL MANAGEMENT DIVISION		
A. Vermicomposting Facility	Production of Organic Fertilizer thru Vermicomposting	<p>For this month, a total of 1,730 kgs. were produced with a remaining stock balance of 24,241 kgs. as of November 31, 2024.</p> <p>As per records, a total of three thousand five hundred fifty (3,550) kilograms of organic fertilizer was disposed to one (1) private individual for the improvement of soil fertility of their backyard garden, three (3) ISEP-TF Monitoring Checkpoints (Disipon, Marana and Abuan, City of Ilagan, Isabela) for seedling productions, and for ENRO organic vegetable garden.</p> <p>Also, the collection of substrates in the production of organic fertilizer like collected compostable wastes from heaps, dried grasses, banana stalks, animal manure, and assorted tree leaves were undertaken.</p>

B. Collection and Segregation of Waste at the Materials Recovery Facility

Refers to Executive Order No. 28, series of 2024, directing all offices and hospitals under the Provincial Government of Isabela to implement ecological solid waste management and waste segregation within their respective areas, and in line with Memorandum No. 13, series of 2024, mandating compliance with the Ecological Solid Waste Management Act of 2000 (RA 9003) for the proper segregation of garbage, trash, and waste materials.

Summary of Waste Collected within the Capitol Compound:

1. Recyclable Waste

- Total Collected: 257.0 kilograms
- Disposed to: ENRO Materials Recovery Facility (MRF)

2. Residual Waste

- Total Collected: 2,578.80 kilograms
- Disposed to: City of Ilagan Sanitary Landfill Facility (SLF)

3. Hazardous

- Total Collected: 90.0 kilograms
- Disposed to: ENRO Materials Recovery Facility (MRF)

4. Biodegradable Waste

- Total Collected: 2,904.0 kilograms
- Disposed to: ENRO Compost Heap and Vermi composting

TOTAL: 5,829.80 kilograms

Summary of Waste Disposal to Provincially Operated Hospital

1. Recyclable Waste

- Total Collected: 3,625.49 kilograms
- Disposed to: Materials Recovery Facility (MRF)

2. Residual Waste

- Total Collected: 3,651.55 kilograms
- Disposed to: Sanitary Landfill Facility (SLF)

3. Hazardous/Infectious Waste

- Total Collected: 2,756.88 kilograms
- Disposed to: Materials Recovery Facility (MRF)

4. Biodegradable Waste

- Total Collected: 5,893.12 kilograms
- Disposed to: Compost Heap/Manage by the LGU

TOTAL: 15,927.04 kilograms

GRAND TOTAL: 21,756.84 kilograms

C. Monitoring of Sanitary Landfill Facility

Pursuant to the provisions of the Local Government Code (RA No. 7160) and Ecological Solid Waste Management (ESWM) Act of 2000 (RA 9003), LGUs are mandated as the primary responsible bodies for the implementation and enforcement of ecological solid waste management system within their respective jurisdiction.

ENRO personnel monitor and inspect Waste Disposal and Waste Management Systems of the different municipalities in the province. Below are the findings, observations, remarks, and recommendations:

1. Municipalities of Aurora, San Manuel, Luna, Cabatuan, and Reina Mercedes Residual Containment Area (November 6, 2024)

- All municipalities have entered a MOA with Cauayan City SLF for waste disposal.

- Site location and General Compliance
Aurora, San Manuel, Luna & Cabatuan- RCAs are located near residential areas but are not in use due to the collect and dump policy of Cauayan City SLF. The area has visible signages and adequate fencing.

Reina Mercedes- RCA is located away from residential areas, waste collected was stored in RCA before the collection of Cauayan City haulers to the SLF. The area has visible signage and adequate fencing.

- Waste Management Practices (Aurora, San Manuel, Luna, Reina Mercedes & Cabatuan)

- All municipalities comply with waste segregation, containment, and handling practices as per RA 9003 requirements, but proper management must be taken.

- RCA Operation and Maintenance:

1. Aurora- RCA is repurposed as a recyclables and alternative technologies stockroom, not used as residual containment.

2. San Manuel- RCA is used as a stockroom for recyclables and alternative technologies, not used as residual containment.

3. Luna- RCA is used for fertilizer storage but can accommodate bulky residuals if necessary.

4. Cabatuan- RCA is not used but has MRF (Materials Recovery Facility) within its compound.

5. Reina Mercedes- RCA is operational for residual waste containment and collection.

- Documentation and Reporting- All municipalities submit regular waste reports per RA 9003 requirements.

- Environmental and Community Safety Measures- Community awareness programs conducted; contingency plans in place for accidental releases or spills.

		<p>2. Quirino Sanitary Landfill Facility (November 28, 2024)</p> <p>Bottle crusher and plastic bottle pulverizer were utilized to produce bricks for pathways. The shredded biodegradable waste and vermicompost were used for the production of forest and fruit-tree seedlings. Procuring this equipment was an initiative to lessen waste in the SLF.</p> <p>Observations and Recommendations:</p> <ul style="list-style-type: none"> •The surroundings were clean and planted with forest and fruit trees. •Vermicompost/soil enhancers were used in the nursery propagation. •Special/hazardous wastes like WEE, pesticides, paints, and bulbs are placed in a vault. •The donated composting equipment like rotary composter is not utilized. •All collected residual wastes were placed in the big sacks before dumping into the cell. •The MRF is used as a collection point for every barangay. <p>Remarks and Recommendations:</p> <ul style="list-style-type: none"> •Sustain positive observations. •Continue construction of the perimeter fence to secure the area. •Install signages particularly safety signages and other signages needed. •Conduct information, education, and communication (IEC) campaigns in all barangays, particularly on proper segregation and disposal of wastes. •Strict enforcement of various ordinances regarding waste segregation. •Utilize the donated composting equipment to reduce waste disposal.
		<p>3. Cordon Sanitary Landfill Facility (November 29, 2024)</p> <p>SLF was situated at Sitio Estampa, Barangay Capirpiriwan, Cordon. The SLF covers a total land area of 1,0071 square meters approximately 4.6 kilometers from the national highway and operational since August 2024. A fund was allocated for the construction of the road to the SLF which will begin next year.</p> <p>Observations and Recommendations:</p> <ul style="list-style-type: none"> •The SLF was surrounded by forest trees. •Used tires were recycled for beautification. •The road going to the SLF is not concrete but accessible. •Mixed wastes were dumped beside the cell. •The donated rotary composter and bio-waste shredder are not utilized. •The front part of the cell was damaged due to heavy rain brought by the previous typhoons. •There is a stockpile of glass bottles beside the cell.

		<p>Remarks and Recommendations:</p> <ul style="list-style-type: none"> •Sustain positive observations. •Construct a compost heap for biodegradable wastes. •Implement an organized waste segregation and disposal procedure to avoid dumping of mixed wastes in the cell. •Implement and enforce R.A 9003, Section 21 “Mandatory Segregation of Waste” •Utilized the rotary composter and bio-waste shredder to minimize waste. •Repair the damaged part of the cell to prevent the water from going inside the cell. •Glass bottles should be properly disposed and recycled.
<p>D. Joint Anti-Smoke Belching Campaign</p>	<p>The anti-smoke belching test of motor vehicles using the opacimeter machine is conducted to promote public awareness on air pollution. This is in partnership with the DENR-EMB and DOTR-LTO Regional Office.</p>	<p>In compliance with the Philippine Clean Air Act of 1999 (Republic Act No. 8749), personnel from this office conducted an Anti-Smoke Belching Campaign at Barangay San Juan, Echague, Isabela together with personnel from Department of Environment and Natural Resources-Environmental Management Bureau-Region 02 (DENR-EMB-R02), Land Transportation Office (LTO)-San Isidro Sub-office, Municipality of Echague-Environment and Natural Resources Office (MENRO), and Barangay San Juan Public Servants and Officials.</p> <p>A total of 21 vehicles, ranging from small to large capacity, were inspected during the activity wherein three (3) vehicles failed the emission test and were penalized by the LTO.</p>
<p>E. Other Related Activities</p>		
<p>1. Production of Green Charcoal</p>	<p>Production of charcoal briquettes out of paper waste to minimize the impact of paper waste</p>	<p>Produced a total of 12 kgs. charcoal briquettes for this month.</p>
<p>2. Maintenance of Organic Vegetable/Herbal Garden and Ecological Center</p>	<p>Maintenance of Organic Vegetable Garden, Materials Recovery Facility, Provincial Ecology Center and ENR Office premises.</p>	<p>Conducted brushing, cleaning, planting of vegetables, and maintenance of organic vegetable garden and ENRO surroundings.</p>

<p>3. Ten-Year Ecological Solid Waste Management Plan Monitoring</p>		<p>1.AURORA, ISABELA</p> <p>a.Source Reduction -Conduct IEC twice a year with RD-DENR-EMB as a speaker -Holds joint quarterly meetings with MPDC -Coordinate clean-up drives with PNP, ensuring strict public protocols.</p> <p>b.Collection -Collects 10 tons, typically four times a month, and schedules collections per barangay. MOA with Cauayan City to handle waste; RCA includes recyclables like plastic, PVC, and glass.</p> <p>c.Storage and Setout -All waste is disposed to Cauayan City SLF, with segregation; no recycling is done but only residual waste is disposed of.</p> <p>d.Marketing and Market Development -Recyclables collected during clean-ups and street sweeping are sold as incentives for personnel; rejected recyclables are stored temporarily in MRF for potential green recycling.</p> <p>e.Alternative Technologies for Residual Wastes -Bottle crusher, plastic shredder, high-thermal black machine, and rotary composter; equipment is temporarily located at Brgy. Kalabaza.</p> <p>f.Special and Healthcare Wastes -Special wastes are transported to Cauayan City SLF; upon operation of SLF there is a plans to exclude hospital/RHU special wastes.</p> <p>g.Monitoring Program -Conducts IEC, clean-ups, and quarterly board meetings; 24-person workforce.</p> <p>h.Financial Aspects -All funds allocated to SLF construction.</p> <p>i.Waste Diversion -Focus on SLF construction and future organization; two dump trucks to be purchase for waste management.</p>
		<p>2.SAN MANUEL, ISABELA</p> <p>a.Source Reduction -IEC is not conducted due to lack of resources, but barangay meetings for waste management are held twice weekly. No official minutes or ordinances for this year.</p> <p>b.Collection -Collects 5-6 tons, as per MOA entered with Cauayan City SLF, waste was dumped thrice a month.</p> <p>c.Storage and Setout -Segregation was conducted at municipal hall MRF; Bio-composter and plastic shredder were used for waste composting.</p> <p>d.Marketing and Market Development -MOA with a junkshop (since 2022) for recycling.</p> <p>e.Alternative Technologies for Residual Wastes -No plans to procure technology due to limited funds.</p>

		<p>f.Special and Healthcare Wastes - Special wastes from households were transported to Cauayan City SLF.</p> <p>g.Monitoring Program -Six personnel were assigned for monthly barangay assessments on solid waste practices; additional manpower was to be hired.</p> <p>h.Financial Aspects -No financial shortage noted.</p> <p>i.Waste Diversion -SLF was expected to operate by the 2nd Quarter of 2025; compliant with ECC and environmental regulations.</p>
		<p>3.REINA MERCEDES, ISABELA</p> <p>a.Source Reduction -Annual IEC were conducted; weekly barangay assessments and clean-ups in line with DILG guidance; quarterly meetings held, the latest is in 3rd Quarter.</p> <p>b.Collection -Collects 3-4 tons, as per MOA with Cauayan City SLF waste was dumped five times a month.</p> <p>c.Storage and Setout -Segregation was maintained; recycles shredded paper into charcoal and uses a bio-composter</p> <p>d.Marketing and Market Development -Market fully operational; waste generated was disposed of to SLF; some recyclables sold to itinerant junkshops.</p> <p>e.Alternative Technologies for Residual Wastes -Received composter and bio-shredder donation from DENR-EMB in 2021, with no current plans for further procurement.</p> <p>f.Special and Healthcare Wastes - RHU wastes stored in a septic vault; hazardous waste stockpiled at MRF.</p> <p>g.Monitoring Program -One personnel for RCA and MRF management, and additional staff upon establishing a MENRO office.</p> <p>h.Financial Aspects -One personnel for RCA and MRF management, and additional staff upon establishing a MENRO office.</p> <p>i.Waste Diversion -Currently testing potential SLF sites; unsuccessful due to terrain and residential concerns; funds allocated for future SLF construction.</p>
		<p>4. QUIRINO , ISABELA</p> <p>a.Source Reduction -Conduct IEC at every barangay assembly and conduct actual segregation in all barangays and schools.</p> <p>b.Collection -The collection of waste to 21 barangays is scheduled every Monday, Wednesday, and Friday; only 1 dump truck can collect waste in all barangays; and all residual wastes collected are disposed of in their SLF. *ORDINANCE NO. 32 SERIES OF 2023 (AN ORDINANCE REGULATING THE DISPOSAL AND COLLECTION SCHEDULE OF SEGREGATED WASTE GARBAGE IN THIS MUNICIPALITY).</p>

		<p>c. Segregation, Recycling and Composting -No segregation, no collection policy; all barangays have composting for gulayan sa barangay.</p> <p>d. Marketing and Market Development -Recyclable wastes were sold to mobile junkshops but were not recorded.</p> <p>e. Alternative Technologies for Residual Wastes -No alternative technologies for residual wastes.</p> <p>f. Special and Healthcare Wastes -Special Waste and Healthcare waste were restored in a separate septic vault located at the health center.</p> <p>g. Monitoring Program -There are three (3) personnel who manages the SLF and another three (3) personnel for waste collection.</p> <p>h. Financial Aspects -Allocated P50,000.00 budget for solid waste management program (signages, garbage bags, PPEs, gloves, alcohol, garbage bin, and etc.)</p> <p>i. Waste Diversion -Crush bottles and shredded plastic bottles were used for making flower pots, and bricks for pathways and landscaping.</p> <p>*ORDINANCE NO. 001 SERIES OF 2020 (AN ORDINANCE PROHIBITING THE USE OF SINGLE-USE PLASTIC BAGS ON DRY GOODS AND WET GOODS IN THE MUNICIPALITY OF QUIRINO AND PROVIDING PENALTIES THEREOF).</p>
<p>4. Operation of the Plastic Molder Facility</p>		<p>November 5 & 8, 12-15 & 18-22, 2024- All recyclable waste particularly plastic bottles collected for this month was brought to the Plastic Recycling Facility. Removal of lids, rings, and labels as well as cleaning, washing, and drying was conducted. All bottles were properly sorted and piled in the facility while waiting for the installation of electric transformer of the recycling equipment/machines.</p>

III. MINERAL RESOURCES MANAGEMENT DIVISION

<p>A. Processing and Issuance of Permits</p>	<p>The ENR Office as the implementing arm of the Provincial Government of Isabela in ENR concerns, is tasked to approve applications for small-scale mining, sand and gravel, quarry, guano, gemstone gathering and gratuitous permits and for industrial sand and gravel permits not exceeding five (5) hectares, under RA 7942 otherwise known as the Philippine Mining Act of 1995.</p>	<p>For the month of October, no application for Commercial Sand and Gravel (CSAG) Permit was received by this office.</p>
<p>B. Site Verification and Inspection of Mining/Quarry Sites</p>	<p>The ENR Office is responsible in field verification and evaluation of quarry areas to determine compliance of permit holders and/or operators to environmental laws, rules and regulations. It is a part of the process prior to the endorsement of the application to PMRB for deliberation.</p>	<p>For this month, no site verification and inspection was conducted.</p>
<p>C. Accreditation of Haulers</p>	<p>All haulers, traders, dealers and retailers of mineral/mineral products/by-products are required to be accredited by the Provincial Government through a Memorandum of Agreement with the Mines & Geo-sciences Bureau Region 02</p>	<p>For this month, no application for Accreditation Permit was received.</p>

D. Field Monitoring of Quarry Areas		
<p>1. Regular field inspection and monitoring</p>	<p>This activity is in line with the implementation of Provincial Ordinance No. 5, series of 2014, to effectively regulate the utilization and monitor extraction activities, ensuring all necessary environmental measures are implemented in the quarry areas. Also, monitoring reports on extraction of sand and gravel and other quarry resources shall serve as basis for the collection of taxes and other related fees by the Provincial Treasurer's Office.</p>	<p>Simultaneous with the compliance checking of Accreditation Permit conducted by the ISEP-TF Operative members, personnel of this Office also have its regular field inspection and monitoring. Activities include inspection of random vehicles transporting sand and gravel materials, supervising assigned personnel in the quarry areas, monitoring implementation of extraction policies such as "No Prepayment, No Extraction", extraction in the main river bed, and no screening of materials in the extraction site policy.</p> <p>For this month, extraction activities in almost all quarry areas in the province were halted due to the rise of riverwater caused by typhoons.</p> <p>All personnel assigned in quarry areas reported to the Office and assisted in various activities at the Provincial Nursery, Provincial Eco-park and Plastic Recycling Facility.</p>
<p>2. Monitoring of extraction activities</p>	<p>This activity is in line with the implementation of Provincial Ordinance No. 5, series of 2014, to effectively regulate the utilization and monitor extraction activities, ensuring all necessary environmental measures are implemented in the quarry areas. Also, monitoring reports on extraction of sand and gravel and other quarry resources shall serve as basis for the collection of taxes and other related fees by the Provincial Treasurer's Office.</p>	<p>For the month of November, thirty-three (33) quarry areas have been monitored with extraction activities in the province with a total of 22,925.00 cu.m. of sand and gravel and other quarry resources extracted. This represents 13,989.00 cu.m. Mixed, and 8,936.00 cu.m. Boulders; and with gross value amounting to Php 981,095.00 fees and taxes.</p> <p>Reports on extractions were accompanied by daily field monitoring reports and delivery receipts.</p> <p>Also, based on record, a total of Php 52,500.00 gross value of fees and taxes was remitted to PTO this month as prepayment to 1,500.00 cu.m. of Mixed gravel materials.</p> <p>Post-payment was also remitted for the monitored aggregates with volume totalling to 3,002.00 cu.m. of mixed gravel corresponding to Php 105,070.00 taxes and fees.</p>

IV. OTHER PROGRAM/PROJECT/ACTIVITY

<p>1. Meetings, Seminars, Trainings and Workshops Attended</p>		<p>November 4-6, 2024- Attended 4th Quarter MPAN Committee Meeting and Workshop at Piazza Zicarelli, Upi, Gamu, Isabela.</p> <p>November 7, 2024- Attended Calao-Deliquente-Diadi River System-Water Quality Management Area (CDD-WQMA) Special Meeting at Brgy. Villasis, Santiago City, Isabela.</p> <p>November 11, 2024- Attended Tumauni Watershed Natural Park (TWNP) Meeting at Brgy, Antagan 1st, Tumauni, Isabela.</p> <p>November 14-15, 2024- Attended 2-Day Training on GAD Analysis at the Blue Room, Capitol, Alibagu, City of Ilagan, Isabela.</p> <p>November 14-15, 2024- Attended Updating of the Ecotourism Management Plan at TWNP at DENR-CENRO Cabagan, Isabela.</p> <p>November 20, 2024- 4th Quarter PAMB En Banc Meeting via Zoom</p> <p>November 20, 2024- Attended 4th Quarter Mines Rehabilitation Fund Committee Meeting of Dinapigue Mining Corporation at Grand Sierra Pines Hotel, Baguio City.</p> <p>November 22, 2024- Attended LPTRP Writeshop</p> <p>November 27-28, 2024- Attended Writeshop cum Stakeholders' Consultation of the TWNP ay DENR-CENRO Cabagan, Isabela.</p>
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PPREPARED BY:


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IVYM. LITAN

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CERTIFIED CORRECT:


GERONIMO P. CABACCAN, JR.

Environment and Natural Resources Officer

Photos of activities conducted at the Provincial Clonal Nursery for the month of November, 2024.



Photos of activities on the Maintenance, Care, and Protection at the Isabela Provincial Eco- Park for the month of November, 2024





Photos of the Watershed Project located at Brgy. Namnama, Tumaui, Isabela, for the month of November, 2024



Photos of the Watershed Project located at Brgys. Aguinal, Cabaruan and Minallo, Naguilian, Isabela for the month of November, 2024.



Photos taken during the implementation of Agroforestry Project at Capirpirawan, Cordon, Isabela for the month of November, 2024.



Photos taken during the implementation of Mangrove and Beach Forest at Sabang and Culasi, Palanan. Isabela for the month of November, 2024.



Mangrove Forest



Beach Forest



Photos taken during the implementation of Riparian Project at Reina Mercedes, Isabela for the month of November, 2024.



Photos taken during the implementation of Mangrove Forest at Dipudo, Divilacan, Isabela for the month of November, 2024.



Photos taken during the planting activity at Cabisera 17 and 21, City of Ilagan, Isabela for the month of November, 2024.



Material Recovery Facility Activities at the back of ENR Office for the month of November, 2024



Soil Enhancer Production for the month of November, 2024



Maintenance of ENRO surrounding and organic garden for the month of November, 2024



Photo documentation taken during the Anti-Smoke Belching Campaign and vehicle inspections in Barangay San Juan, Echague, Isabela



Discussion for the operation of the Anti-Smoke Belching Campaign and filling up of the attendance sheet.



Halting of utility vehicles by deputized LTO personnel for emission testing.



The Opacimeter setup process, including the start-up, insertion of the probe, reading emission levels through controlled pedaling, and printing out the test results.

PHOTOGRAPHS TAKEN DURING INSPECTION AND MONITORING OF
RESIDUAL CONTAINMENT AREAS (RCA) AND 10-YEAR SOLID WASTE MANAGEMENT PLAN
UPDATES IN VISITED MUNICIPALITIES



AURORA MUNICIPAL HALL, ISABELA



SAN MANUEL MUNICIPAL HALL, ISABELA



BRGY. EDEN, SAN MANUEL, ISABELA



📍 LUNA AGRICULTURE OFFICE, ISABELA



📍 CABATUAN MUNICIPAL HALL, ISABELA



📍 BURGOS STREET, CABATUAN, ISABELA



📍 BRGY. SARANAY, CABATUAN, ISABELA

These photos were taken during the conduct of field monitoring and inspection of Sanitary Landfill Facility at Quirino and Cordon, Isabela and monitoring of 10-year SWM plan implementation and Tree Planting Activity.



Plastic Molder Facility Activities for the month of November, 2024



Some of the photos daily submitted by ISEP-TF Operative Members assigned at the different quarry areas, and those taken during the conduct of regular field inspection and monitoring in the province for the month of November, 2024.

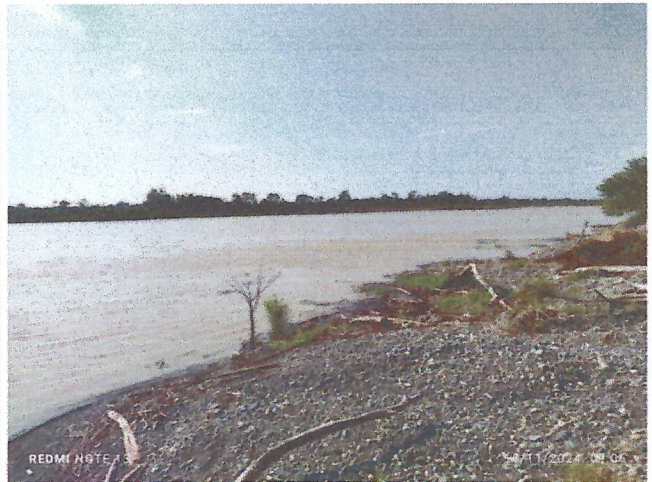




Photos of quarry areas without operation due to high water level.



**Furao Gamu
Isabela
No operation**



ISEP-TF Operative members assigned at areas with no operation reported to this Office and assisted in the maintenance activities at the Provincial Nursery, Isabela Eco-Park and Plastic Recycling Facility.

