

	ENVIRONMENT AND NATURAL RESOURCES		November
			MONTH
	Accomplishment Report		2023
			YEAR
PROGRAM/PROJECT/ACTIVITY	PROJECT DESCRIPTION	STATUS/REMARKS/ ACCOMPLISHMENT	
I. FOREST MANAGEMENT AND CONSERVATION DIVISION			
A. Forest Resources Development Activities:			
1. Nursery Operations & Maintenance Works			
a. Production/Propagation and Disposition of seedlings	Production, propagation and procurement of seedling stock and disposition of seedlings	<p>Beginning balance: <b>20,454</b> seedlings to include Agoho, Anchoan Dilaw, African Tulip, Balitbitan, Chest Nut, Golden Shower, Ipil, Kamagong, Mahogany, Narra, Rubber Tree, Talisay, Tindalo, Tuai, Atis, Antipolo, Bignai, Cacao, Calamansi, Citrus/Mandarin, Duhat, Guyatis, Langka, Lansones, American Lemon, Lemon, Mangga, Mangosteen, Passion Fruit, Pomelo, Rambutan, Tamarind, Santol, Satsuma, Verba, Bamboo, Beetle Nut, and Tokyang Palm;</p> <p>Number of seedlings produced: A total of <b>220</b> consisting of 70 Forest Trees and 150 Fruit-bearing Trees Seedlings;</p> <p>Number of seedlings released: A total of <b>730</b> assorted seedlings were disposed to various requesting constituents.</p> <p>Mortality rate at 1.83% equivalent to <b>379</b> seedlings was incurred.</p> <p>Stock balance: <b>19,565</b> seedlings as of November 30, 2023.</p> <p>For this month, 8 out of 13seedling requests was released to the different public and private entities. This includes the one (1) request that was not picked-up last month. On the other hand, the 5 remaining requests are ready for picked-up.</p>	
b.Maintenance works	Maintenance of Provincial Nursery; Operation of Clonal Nursery; Brushing, ring weeding and greening of two nurseries; arrangement, and sorting of seedlings for hardening; seed and collection and propagation; and other activities that may be assigned to be accomplished during the period	Supervised and led by ENRO personnel assigned, 5 contractual laborers ensures the conduct of regular maintenance and operations of the nursery. Activities include improvement of seedling beds, potting for soil media, seeds and wildlings collection, watering, transplanting and sorting of seedlings.	

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, riparian rehabilitation & development, mangrove & beach forests rehabilitation and urban greening 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.

**Watershed Rehabilitation Project:**  
1-hectare area was rehabilitated at Malasi Lake, San Antonio, Cabagan, Isabela, Isabela through Cash for Work (CFW) beneficiaries and they were able to plant 1,200 assorted fruit bearing and forest tree seedlings.

**Agroforestry/Urban Greening Project:**  
San Guillermo- 2-hectares area was rehabilitated. The target seedlings to be planted is around 1,200 assorted fruit-bearing and forest trees seedlings. However, some of the seedlings were not planted due to extreme heat condition.

Cansan, Cabagan- 1-hectare area was rehabilitated. A total of 800 assorted fruit bearing and forest tree seedlings were planted. The planting activities was conducted by the Cash for Work (CFW) beneficiaries and MENRO staff.

**Riparian Rehabilitation Project:**  
1.5-hectare area was rehabilitated at Nemmatan, San Agustin, Isabela. The project site is located along the riverbanks of the said municipality. This activity was conducted thru Cash for Work (CFW) beneficiaries. The target seedlings to be planted by the MLGU San Agustin is 1,500 bamboo propagules with 3m x 3m spacing at double strip. A total of 450 beneficiaries from the different barangays of San Agustin conducted the site preparation such as hole digging, staking and brushing started on November 13, 2023.

On November 9-10, 2023, this Office thru its personnel assisted in the cash payout relative to the Climate Change Adaptation and Mitigation-Cash for Work beneficiaries under the DSWD program at Jones, Isabela.

November 15-16, 2023 - Personnel thru this Office attended the Program Review and Evaluation Workshop (PREW) on Climate Change Adaptation and Mitigation (CCAM) thru Cash for Work (CFW) Program 2023 Implementation on November 15-16, 2023 at Hotel Sofia, Cauayan City, Isabela.

The following were the updates for the Province of Isabela as presented and the highlights of activities conducted during the event, to wit:  
-31 out of 36 C/MLGUs had completed the implementation of the program and the 13,474 out of 15,655 beneficiaries were already paid out amounting to Php. 50,527,500.00 Overall accomplishment is at 86.07 percent.

		<p>-5 MLGUs (Roxas, Maconacon, Divilacan, Palanan and San Agustin) completed the implementation and payout of beneficiaries was already scheduled pending submission of Work Accomplishment Reports.</p> <p>-Tree planting and urban gardening were the major projects of the C/MLGUs. A total 157,155 assorted and fruit-tree seedlings to include bamboo propagules and 73,560 vegetable seedlings were planted thru the program.</p> <p>-The 2024 Project Proposal will need to be revised since the project beneficiaries were increased from 6905 to 8,158.</p> <p>-During the workshop, inputs from C/MLGUs were incorporated in the draft 2025 Project Proposal that was presented during the end of the activity. Tree planting and communal gardening remains to be the major project for 2025. The total beneficiaries of the program for 2025 is 7,372.23.</p>
<b>B. Forest Protection and Law Enforcement Activities:</b>		
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> <p>-Alinguigan 3rd, Alinguigan 2nd, Malalam, Fuyo, San Ignacio, San Juan, San Lorenzo, Capellan, San Rodrigo, Bintacan, Cabisera 8, Cabisera 14-16, Cabisera 22, Sitio Lagis, Sindon Bayabo, and other forest barangays of City of Ilagan, Isabela;</p> <p>-Magassi, Masipi East, and Masipi West, Cabagan, Isabela;</p> <p>-Antagan, Tumauni, Isabela;</p> <p>-Benito Soliven and San Mariano areas;</p> <p>-Forest region at Jones and San Agustin, Isabela;</p> <p>-Ilagan-Divilacan Road Rehabilitation Project (IDRRIP)</p> <p>Also, assisted in the monitoring of Sand and Gravel Extraction Activities.</p>
b. Apprehension/Confiscation	Apprehension/confiscation of illegally cut and transported forest products	No apprehension/confiscation was recorded for this month.

2. Donation/Utilization of Forest Products	Granting of request for wood materials	Donated/Utilized a total volume 844 bd.ft representing 56 pcs. of Common Hard Wood (CHW) to various requesting constituents.
C. Activities Undertaken in Support of IDDRIP	Patrol works and monitoring activities and maintenance of reforestation areas	<p>This Office thru its Personnel conducted inspection of accomplishments of the contractor regarding the implementation of Ilagan-Divilacan Reforestation Projects on November 7-8, 2023 at IDR Refo Areas, Villa Imelda and Sindun Bayabo, City of Ilagan, Isabela. The following were the results of the conducted inspection, to wit:</p> <p>50-hectare IDR Roadside Reforestation Project - Located at Ilagan-Divilacan Roadside, Sindun Bayabo, City of Ilagan. The planted seedlings along the roadside areas of Ilagan-Divilacan Road were observed. Compared to last year, the height of the seedlings had increased. Maintenance activities such as brushing, cultivation, fertilizer, application and others were also conducted as observed in the current vegetation of the area during visit.</p> <p>250-hectare RTA-1 Million Tree in 1 Day Reforestation Project - Located at Disipun (km.14), Lagis (km. 17), Trailer (km. 21), Sindun Bayabo, City Ilagan. The planted seedlings in the three areas had also increased in height. There were also individuals/laborers seen conducting maintenance activities such as brushing, ring weeding and cultivation in the araes of Disipun and Lagis reforestation.</p> <p>100-hectare Coconut Plantation Project - Located at forest areas, Villa Imelda, City of Ilagan. The planted coconut seedlings also increased in height and maintenance activities wre conducted as observed in the current vegetation of the during visit.</p> <p>ISEP-TF and ENRO personnel continuously conducted monitoring and maintenance activities at IDRRIP reforestation areas.</p> <p>Also, the following ISEP-TF Monitoring Checkpoints were able to produce seedlings, to wit:</p> <p>Abuan ISEP-TF MC - 1,550 pieces of forest tree seedlings and 50 fruit bearing seedlings Disipon TSEP-TF MC - 1,575 pieces of forest tree seedlings Marana ISEP TF MC - 1,500 pieces of forest tree seedlings Jones ISEP-TF MC - 1,500 pieces of forest tree seedlings</p>

D. Other Related Activities		
1. Isabela Provincial Ecopark		Clearing and beautification activities within the pathways of the Isabela Provincial eco-park is continuously and regularly conducted by the Job Order service providers.
II. ENVIRONMENTAL MANAGEMENT DIVISION		
A. Vermicomposting Facility	Production of Organic Fertilizer thru Vermicomposting	<p>For this month, a total of <b>1,300 kgs.</b> were produced and <b>650 kgs.</b> were disposed to various requesting constituents, with a remaining stock balance of <b>31,151 kgs.</b> as of November 30, 2023.</p> <p>As per records, a total of 650 kilograms of organic fertilizer were disposed to Jones monitoring checkpoint used for the production of assorted forest and fruitbearing tree seedlings while two (2) private individuals requested for their farmlots.</p> <p>Also, collection of substrates in the production of organic fertilizer like collected compostable wastes from heap, dried grasses, banana stalks, animal manure and assorted tree leaves were undertaken.</p>
B. Production of Green Charcoal	Production of charcoal briquettes out of paper waste to minimize the impact of paper waste	For the month of November, 2023, the Environmental Management Division was able to produced a total of <b>10 kilograms</b> of Charcoal briquettes.
C. Maintenance of Organic Vegetable/Herbal Garden and Ecological Center	Maintenance of OrganicVegetable Garden, Materials Recovery Facility,Provincial Ecology Center and ENR Office premises.	<p>Supervise by a Technical Personnel, Job Order service providers were hired to conduct maintenance of Provincial Ecology Center.</p> <p>Activities include brushing, cleaning, planting of vegetables and maintainance organic vegetable garden. They were also able to assist in maintaining the cleanliness of the ENR Office premisses.</p>
D. Monitoring of LGU 10-Year Solid Waste Management Plan	Pursuant to the provision of Ecological Solid Waste Management (ESWM) Act of 2000 (RA 9003), LGUs are mandated to provide technical support to the LGUs for the development and implementation of local solid waste management plans and programs	<b>November 22, 2023-</b> Personnel from this office together with DENR-EMB R02 Validation Team monitored the implementation of 10-Year ESWM Plan specifically on Chapters 7 & 8 of San Mariano and Mallig, Isabela.

E. Other Related Activities		
1. Wastes collection and segregation	Weighing of various recyclable, special/hazardous and residual wastes collected from the different offices within Capitol premises, brought to the ENRO Material Recovery Facility for final segregation and recovery of wastes with potential for diversion.	Wastes were segregated and compiled according to waste composition in kilograms, to wit: Residual-923 kgs.;Biodegradable-56 kgs.; Plastic Bottles-66.5 kgs.; Paper-56 kgs.; Carton-23 kgs; Food Wastes-15 kgs; Bote-6.75 kgs. and Hazardous waste-6.5 kgs. a with a total of 1152.75 kilograms.
2. Technical Support	Personnel of this office extended technical assistance to requesting LGUs in the conduct of training on RA 9003 otherwise known as Ecological Solid Waste Management Act of 2000.	<p>Personnel from this office participated in the Training on Enhanced Parent Effectiveness Service (EPES) conducted by the Office of the Provincial Social Welfare and Development as a resource speaker. The activity was attended by all Women and Children Protection Desk Officers in the province of Isabela.</p> <p><b>November 24, 2023-</b> Ms. Gina D. Ruiz presented "Keeping a Healthy Environment for Your Children", she discussed the importance of the environment in daily life and the benefits and threats that affect the environment. She also talked about Solid Waste Management and emphasized the critical environmental issue that directly affects both the environment and the population such as air, water, soil, and public health.</p> <p><b>November 29, 2023-</b> Ms. Gina D. Ruiz presented the topic “Keep our Environment Safe”. She discussed Republic Act 9003 also known as the “Ecological Solid Waste Management Act of 2000”; the main purpose of R.A 9003 is to ensure the protection of public health and the environment through systematic, comprehensive, and ecological waste management. She emphasizes Section 10, the role of LGUs in Solid Waste Management; Section 13, the establishment of Multi-purpose Environmental Cooperatives in every LGU; Section 32, the establishment of LGU Material Recovery Facility (MRF) stipulates that there shall be established MRF in every Barangay or cluster barangays and Prohibited Acts and Penalties of R.A. 9003.</p> <p>In addition, For. Celia N. Badua presented the status of Solid Waste Management implementation within the province of Isabela as of October, 2023. Also mentioned the good practices and common problems encountered and observations based on Sanitary Landfill (SLF) monitoring conducted by the PGI-ENRO. Followed by an open forum where all the questions and concerns were properly answered.</p>

III. MINERAL RESOURCES MANAGEMENT DIVISION

A. Processing and Issuance of Permits

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. Through the Provincial Mining Regulatory Board (PMRB), Permit Applications who have passed board deliberation shall be indorsed to the Provincial Governor for his approval.

For the month of November, no Commercial Sand and Gravel (CSAG) Permit Application was received.

B. Accreditation of Haulers

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

For this month, no Accreditation Permit application was received by the Office.

C. Site Verification and Inspection of Mining/Quarry Sites

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.

For this month, no site verification and inspection of applied areas was conducted since no permit applications was received by the Office.

D. Field Monitoring of Quarry Areas		
<b>1. Regular field inspection and monitoring</b>	<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 this month, continued site inspection, monitoring of compliances to necessary permits and supervision of personnel assigned to various quarry areas were implemented.</p> <p>Compliance to extraction measures such as extraction in the main river bed, no screening of materials in the main river bed policy and pre-payment of quarry taxes and fees were checked at the Municipalities of Mallig, Roxas, Echague, City of Ilagan, Sta. Maria, San Pablo, Tumauni, and Cabagan. At the same time, checking of Accreditation Permit of haulers and transporters of sand and gravel materials through random inspection of vehicles hauling and transporting sand and gravel materials. Operators with monitored extraction without pre-payments were notified for post-payment. All personnel assigned at their respective areas were present, while those with no operation reported to the Office and assisted in the activities at the Provincial Nursery and Provincial Materials Recovery Facility.</p>
<b>2. Monitoring of extraction activities</b>		<p>For the month of November, fifty-seven (57) quarry areas have been monitored with extraction activities in the province, with a total of 40,529 cu.m. of sand and gravel and other quarry resources extracted. This represents 420.00 cu.m. Ordinary Earth, 38,023.00 cu.m. Mixed, 8.00 cu.m. G1/S1 and 2,078.00 cu.m. Boulders; and with gross value amounting to Php 1,458,055.00 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 1,142,946.50 gross value of fees and taxes was remitted to PTO this month as prepayment to 29,110.86 cu.m. of Boulders, G1/S1, Ordinary Earth and Mixed gravel materials.</p> <p>Post-payment was also remitted for the monitored extracted aggregates with volume totalling to 4,755.00 cu.m. corresponding to Php 176,545.00 taxes and fees.</p>



IV. OTHER PROGRAM/PROJECT/ACTIVITY

1. PRDP related activities	As part of TWG, the ENR Office is in-charge in the Social and Environmental Safeguards (SES) concerns of various PRDP sub-projects	<p>Personnel of this Office together with other PPMIU personnel went to DA Compound, Iguig, Cagayan and attended the Joint Technical Review organized by DA counterparts from Regional Project Coordinating Office 02 (RPCO2) and Project Support Office (PSO). The activity was also attended by representatives from PLGU Nueva Vizcaya, City LGU of Santiago and Tuguegarao, Municipal LGU of Quirino and Ramon, Isabela. These LGUs had submitted proposed PRDP subprojects for reviewed. The rehabilitation/Improvement of Union-Barcolan Farm to Market Road is the proposed subproject of PLGU-Isabela.</p> <p>For the Province of Isabela subproject, the 6.126km Rehabilitation/Improvement of Union-Barcolan Farm to Market Road, the following wre the results of the review that is still needed to be complied, to wit:</p> <ul style="list-style-type: none"><li>-Inclusion of cost of construction survey and staking to the Program of Work;</li><li>-Inclusion of benchmark every 500 meters to the Detailed Engineering Design (DED);</li><li>-Other details of the DED needs to be completed such as vicinity and location map;</li><li>-Inclusion of two new additional parts in the Social and Environment Safeguards section of the Feasibility Study, the Community Health and Safety and the Resource Conservation and Pollution Controll;</li><li>-Data Provided in the Feasibility Study, DEDE, SES documents and others should be consistent; and;</li><li>-Verification of submitted Project Affected Persons documents and parcellary map to be conducted with Municipal Local Government Unit of Gamu to ensure accuracy and consistency.</li></ul> <p>After the review, the PPMIU-TWG started to comply the above-mentioned concerns for the remaining days. The outputs were then presented in the last day of the activity together with an exit conference to set timeline for completion of subproject requirements. In conclusion, the province was able to comply most of the observations and comments of the review team. The remaining compliances shall be submitted on November 30, 2023.35:35</p>
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<p>2. Basic Rattan Handicrafts and Furniture making Training</p>		<p>Personnel from this Office facilitated and assisted the Basic Rattan Handicrafts and Furniture Making Training on November 16-17, 2023 at PGI-Shared Service Facility (SSF), Cabisera 10, City of Ilagan, Isabela. The 2-day training was conducted in partnership with the Department of Trade and Industry (DTI) Isabela. This activity aimed to produce pre-processed and finished products for livelihood and income generation. Facilitating the training were Unit Heads and staff from DTI-Isabela, PGI-ENRO, PCLEDO and OPE.</p> <p>At the end of the training, the participants were able to produce 3 bamboo chairs, 1 high wooden table, 2 short folded tables, 2 set of rattan strips, bamboo slats, bamboo speaker, phone stand and 1 rattan basket.</p> <p>After the activity, some trainee shared experience on what they have learned from the 2-day training.</p>
<p>3. Meetings, Seminars, Trainings and Workshops Attended</p>		<p><b>November 13-14, 2023</b> - Personnel of this Office attended the marine Protected Area Network (MPAN) Consultation Meeting at Piazza Zicarelli, Gamu, Isabela.</p> <p><b>November 17, 2023</b> - Personnel of this Office attended the 4th Quarter PAMB Meeting via Zoom.</p> <p><b>November 21-22, 2023</b> - Personnel of this Office attended the 1st Cagayan Valley Ecotorism and Envirpnmental Summit at Cagayan Coliseum, Tuguegarao City, Cagayan.</p> <p><b>November 23, 2023</b> - Personnel of this Office attended the 2nd Semester 2023 Regular Business Meeting on the Regional Development Council via Zoom.</p> <p><b>November 24, 2023</b> - Personnel of this Office attended the Calao-Deliquente-Diadi River System - Water Quality Management Area (WQMA) 4th Quarter Governing Board Meeting at Santiago City, Isabela.</p> <p><b>November 29-30, 2023</b> - Personnel of this Office attended the training on RA 11898 at Casa Angela, Tuguegarao City, Cagayan.</p>

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Agroforestry Rehabilitation Project at San Guillermo, Isabela for the month of November, 2023.





Basic and Advance Rattan Handicrafts and Furniture making Training  
on November 16, 17, 23 & 24, 2023









Pictures of the activities conducted at the ENRO Provincial Nursery for the month of November, 2023









Inspection of work accomplished re: Year 2 implementation of Ilagan-Divilacan Road (IDR) Reforestation Projects for the month of November, 2023.



100-hectare Coconut Plantation Project



250-hectare RTA-1 Million Tree in 1 Day Reforestation Project



460-hectare Agroforestry Plantation Project



500-hectare IDR Roadside Reforestation Project







PRODUCTION OF SOIL ENHANCER



RESIDUAL CONTAINMENT AREA (RCA)



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, 2023.





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ISEP-TF Operative members assigned at areas with no operation due to high water level reported to this Office and assisted in the maintenance activities at the Provincial Nursery and Materials Recovery Facility. Also, few joined clean-up activities in their areas.

