



Provincial Government of Isabela

Environment and Natural Resources Office

2022 ANNUAL ACCOMPLISHMENT REPORT

Brgy. Bicobian, Divilacan, Isabela

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**FOREST
MANAGEMENT
&
CONSERVATION
DIVISION**

FOREST MANAGEMENT AND CONSERVATION DIVISION

I. Nursery Operations & Maintenance

For the year 2022, a total of **58,145 assorted fruit and forest tree seedlings** both sexually and asexually propagated including the bamboo propagules were procured and produced, and taken cared of at the Provincial and Clonal Nurseries. A total of **13,762 assorted seedlings** were disposed and distributed to different public and private entities such as Municipal and Barangay LGUs, POs/NGOs/, cooperatives, schools, and other government agencies like the Philippine Army and Philippine National Police in support to our greening activities. However, due to unavoidable circumstances, **15% mortality rate** equivalent to **8,724** seedlings were incurred and recorded.



Table 1. Inventory of Seedlings at Provincial Nursery

Particulars	Previous Stock Balance (2021)	Procured and Produced	Total	Disposed	Mortality	Remaining Stock Balance (Dec. 31, 2022)
Forest tree seedlings	15,272	6,225	21,497	7,412	3,225	14,921
Fruit tree seedlings	29,214	3,469	32,683	6,014	4,903	17,574
Bamboo Propagules	1,535	900	2,435	172	366	1,723
Beetle Nut	1,030	-	1,030	30	155	884
Tokyang Palm	500	-	500	134	75	86
Grand Total	47,551.00	10,594.00	58,145.00	13,762.00	8,724.00	35,188.00

Four (4) laborers were hired to conduct regular nursery activities augmenting the technical personnel assigned in the Provincial and Clonal nurseries. Activities included, but were not limited to potting, seeds and wildlings collection, seedling propagation, sorting of seedlings for hardening, brushing, ring weeding and greening of the two (2) nurseries.





Conduct of regular activities at the Provincial and Clonal Nurseries by ENRO Personnel & Job Order Laborers



Wildlings collection by ENRO Personnel within the Ale-Ale (IPDC) Eco-park

By virtue of Memorandum Order Nos. 11 & 12 dated August 2, 2022 from the ENR Officer, ENRO personnel, ISEP-TF Operative members, GIP Beneficiaries and Job Order service providers of this Office were directed to conduct nursery maintenance activities such as watering of seedlings, potting of soil media, cleaning of surroundings including proper disposal of rotten polyethylene bags and seedling arrangement by species at the ENRO Nursery, MRF and Ale-Ale Building every Thursdays of the month.



II. Forest Protection and Law Enforcement

A. Manning of Checkpoints

The Isabela Environment Protection – Task Force (ISEP-TF) manned and maintained **eight (8) checkpoints on a 24/7 basis**. The **28 ISEP-TF operatives** concentrated on forest and environment protection, thus, regularly conducted surveillance, foot and mobile patrolling, and acted/responded on tipsters’ (SMS) reports regarding violations on forestry and environment related laws. While at the same time, some of these personnel were also assigned to man different quarry outlets province-wide. These various activities aimed to detect any illegal gathering and transport of both forest products and mineral resources.

To ensure that the ISEP-TF operatives were all well-versed of their duties and responsibilities, the ENR Officer steered regular meetings with the members. Such activities served as venue for giving reports on accomplishments and updates on other issues and concerns with regard to enforcement of forest and environmental laws and policies.



B. Apprehension/Confiscation of Illegally Gathered/Transported Forest Products

For the year 2022, a total of Three Hundred Ninety-Five (**395**) pieces of different species of wood (Lumber, Round logs and Fitches) with a total volume of Fourteen Thousand Sixty-Four and 16/100 (**14,064.16**) board feet, were apprehended during the conduct of forest protection and law enforcement activities as shown in the table below. These apprehended forest products were under the custody of PGI-ENRO.

Table 1. Summary of Apprehended/Confiscated Forest Products for 2022

Particulars	No. of Pcs.	Volume (bt.ft.)
CHW Lumber	137	2,486.00
CHW Round logs	24	3,048.43
CHW Fitches	50	2,863.73
Narra Fitches	184	5,666.00
TOTAL	395	14,064.16

Compared to the previous year’s (2021) apprehension and confiscation of **588 pieces** of various wood species (lumber & fitches), a remarkable decrease of **67%** was observed with only **395 pieces** of various wood species confiscated for the year under report (2022). This can be attributed with the extensive conduct of foot and mobile patrolling activities in hotspot areas, and the massive campaign among stakeholders the deleterious effects of such environmental abuses.

Conduct of foot and mobile patrolling; and apprehension of mostly abandoned illegally-harvested forest products



C. Donation and Utilization of Forest Products

The Provincial Government is very much supportive of all the project undertakings of its constituents. During the year under report, it has granted several requests from various qualified beneficiaries for the donation and utilization of apprehended/confiscated forest products to include different projects of the PGI with a total of **561 pieces of Common Hard Wood** (lumber and flitches) with an aggregate volume of **10,352.48 board feet**.



D. Other Activities

The ISEP-TF Operatives also actively took part in the implementation of various programs, projects and activities of the ENR Office as follows:

- Seedling production;
- Wildlings collection;
- Clean-up drives and tree planting activities;
- Monitoring of IDRRIP Reforestation areas;
- Site preparation and planting activities for the RTA- One Million Bamboos in 1 Day Project; and
- Participation in various activities such as Todas Dengue, Brigada Eskwela and others.

Seedling production activities of ISEP-TF Operative members in their respective checkpoints



Wildlings collection activities of ISEP-TF Operative members



Clean-up drive activities joined by ISEP-TF Operative members



Tree planting activities joined by ISEP-TF Operative members



Maintenance and protection activities conducted to include weeding, re-planting and fertilizer application



III. Climate Change Mitigation/Adaptation & DRRM Measures thru Forest Landscape Restoration and Coastal Resource Management Programs

The Province of Isabela is blessed with bountiful natural resources; a champion with regards to the implementation of various forest and environmental programs. To maintain the integrity of its environment, climate change mitigation/adaptation and disaster risk reduction management measures have been mainstreamed and sustained aiming to protect Isabeleños from the ill effects of the changing climate. In coordination and partnership with the different city/municipal LGUs, and as counterpart of the Provincial Government of Isabela to the DSWD Risk Resiliency Program thru Cash-for-Work, the following projects were implemented under Climate Change Mitigation/Adaptation & Disaster Risk Reduction Management programs.

A. Watershed Rehabilitation Project

The threat of forest destruction, both natural and human-induced, that alters the watershed has immediate and long-term effects on the biodiversity composition as well as the community that lives in the area. Deforestation, along other destructive activities, diminishes the functions of watersheds in biodiversity conservation and mitigation of climate change effects.

By definition, watershed is a land area drained by a stream or fixed body of water and its tributaries having a common outlet for surface runoff such as rivers, ocean and even small water impounds which serves as source of potable water, and water for commercial, agricultural and industrial purposes. Maintaining watersheds for water capture, storage and release, these areas shall ensure preservation of water quality.

Through the years of implementing this project, a total of **18.5 hectares** of watersheds areas were already planted. For this year, the project was implemented in partnership with the Local Government Units of Quezon and Delfin Albano, Isabela, sustaining the area established in 2021. Aforesaid LGUs assisted the PG-ENRO in the conduct of site identification, inspection and evaluation of the project sites. The seedlings and fertilizer requirements were provided by the Provincial Government, the labor component for site preparation and planting by DSWD thru the Cash-for-Work Program, while continued maintenance and protection activities were counterparts of City/Municipal LGUs together with the barangays where the project areas were located. The Provincial Government sourced-out the amount of **Php 490,477.50 from its 2022 Economic Development Fund** for the seedlings and fertilizer requirements.

➤ ***Maintenance and Protection of 12.5 hectares and Establishment of Additional 4 hectares Watershed Area at Sitio Namnama, Barangay Santos, Quezon, Isabela***

From 2018-2021, the Provincial Government assisted LGU Quezon in the rehabilitation of their Municipal Eco-Forest Park where a total of **12.5 hectares** were already planted with assorted forest trees. Recognizing the commitment of the LGU and the observed development of the project areas, this Office identified and proposed additional **4 hectares** Watershed Rehabilitation to sustain the initiatives previously implemented.

The project commenced on July 18, 2022 with the implementation of the site preparations activities until the actual planting implemented on July 21, 2022. Supervised and joined by personnel of this Office, the activity was facilitated by the MENRO, and conducted by the **550 Cash-for-Work beneficiaries** in the Municipality of Quezon, where a total of **4,400 assorted native forest trees seedlings and bamboo**

propagules were planted. The area was also monitored together with the personnel from DSWD central Office and Isabela Field Office.



➤ **Maintenance and Protection of 4 hectares and Establishment of Additional 4 hectares Watershed at Sitio Villa Tj, Barangay Carmencita, Delfin Albano, Isabela**

This project commenced in 2021 with an initial **4 hectares** rehabilitation activity within the watersheds of Gumiran Small Water Impounding Project located at Sitio Villa TJ, Barangay Carmencita, Delfin Albano, Isabela. The lake of the SWIP is also a sanctuary to migratory birds during their season. Recognizing the commitment of the LGU and the observed development of the initial project areas, this Office proposed for additional **4 hectares** Watershed Rehabilitation within the area to sustain the initiatives previously implemented.

On October 12, 2022, personnel of this office supervised the implementation of the project where a total of **4,000 seedlings of indigenous forest and fruit trees** were planted. Considering that the area is an LGU-declared protected area for bird sanctuary, tree seedlings provided were more of bird-attracting species. The LGU conducted the site preparation and planting utilizing their Cash-for-Work beneficiaries. And as counterpart, maintenance and protection shall be facilitated by the LGU thru their MENRO.



B. Beach Forest Rehabilitation Project

The Province of Isabela has **four (4) coastal municipalities**, namely Maconacon, Divilican, Palanan and Dinapigue lying along its **113 kilometers coastline**. These municipalities faced the Pacific Ocean thereby considered high risk to hazards brought by natural phenomena such as typhoons, tidal waves and storm surges.

Among the initiatives undertaken to maintain the integrity of its coast lines, is the implementation of successive rehabilitation of beach forests. Per approved proposal, **18 hectares of beach forest** were programmed for implementation: **12 hectares in Palanan** and **6 hectares in Divilacan**. Specifically, the sites were located at Barangays, Culasi, San Isidro and Sitio Sabang, Maligaya in Palanan, and Sitio Lanai, Barangay Bicobian in Divilacan. Most of the areas were adjacent the previous areas planted as part of successive rehabilitation.

On October 3-7, 2022, personnel of this Office together with PGSO personnel conducted on-site inspection of the project. The inspection affirmed the following:

1. At Barangay Culasi, Palanan, seedlings of Botong and Talisay were already planted along the 5-kilometer sea shore with the spacing of 3x3 meters;

2. At Sitio Sabang, Barangay Maligaya, Palanan, seedlings planted were Agoho, Botong and Talisay. Same project implemented during Calendar years 2018, 2019 and 2021 adjacent the latest were also monitored. As observed, the seedlings planted in the previous years are already sturdy, with Agoho Species showing the highest survival rate and fast growing, which is considered to be the most suitable species in the site among the three species planted;
3. At Barangay San Isidro, Palanan, inspection showed that seedlings of Botong and Talisay were planted along the 5-kilometer sea shore in 3 strips with a spacing of 3x3 meters.
4. At Sitio Lanai, Bicobian, Divilacan, seedlings of Agoho, Botong and Talisay were planted along the sea shore and are not about 2 to 3 feet in height. Sam project implemented in 2021 was also monitored and observed that they conducted replanting considering the height of some seedlings compared to others. The project was also in support to the Sea Turtle Sanctuary for biodiversity conservation established in the area.



This project commenced in 2018 and is being sustained as a regular annual activity. To date, the PGI-ENRO in close coordination with partner LGUs, have accomplished the following:

Table III. Accomplished Beach Forest Rehabilitation Projects

LGU	Location	Area/s	Year Implemented	Survival Rate (%)	Status
Palanan	Brgy. Culasi, Sitio Sabang, Brgy. Maligaya, Brgy. San Isidro	12.0	2022	95	Replanted seedlings still in recovery; Maintained by LGU-MENRO, monitored by PGI-ENRO
Divilacan	Brgy. Bicobian	6.0	2022	90	Replanted seedlings still in recovery; Maintained by LGU-MENRO, monitored by PGI-ENRO
Palanan	Sitio Sabang, Brgy. Maligaya	6.0	2021	98	Replanting is conducted as the need arises; Maintained by LGU-MENRO, monitored by PGI-ENRO
Divilacan	Brgy. Bicobian	4.0	2021	93	Replanting is conducted as the need arises; Maintained by LGU-MENRO, monitored by PGI-ENRO
Palanan	Sitio Sabang, Brgy. Maligaya	3.0	2019	100	Maintained by LGU-MENRO, monitored by PGI-ENRO
Divilacan	Brgy. Dimapula	1.5	2019	95	Replanting is conducted as the need arises; Maintained by LGU-MENRO, monitored by PGI-ENRO
Palanan	Sitio Sabang, Brgy. Maligaya	1.0	2018	100	Replanting was immediately done; Maintained by LGU-MENRO, monitored by PGI-ENRO
TOTAL		33.5			

Maintenance and protection activities for the above area plantations were sustained by the partner LGUs through the supervision of its respective Municipal ENR Office with photo-documentation submitted to this Office showing project

developments. And as part of PGI's commitment, this Office ensured that the areas were being monitored especially during project inspection to validate the photos submitted.



C. Mangrove Forest Rehabilitation Project

Mangrove forests or the “rainforest of the sea” are assemblage of tropical trees and shrubs that grow in the intertidal zone. This type of forests are very important in the coastal ecosystem as it provide economic and ecological benefits such as nursery ground, food and shelter for marine fisheries, other crustaceans and other fauna that support fisheries production and aquaculture. Mangroves act as carbon sink by reducing organic pollution along shore areas; stabilize the coastlines by reducing erosion and protect coastal communities from storm surges, tidal waves and currents brought by typhoons and other climate-related phenomena. Thus, the presence of these mangrove forests serves as the natural first line of defense from the rage of natural hazards as well as ensures a healthy environment for biodiversity.

Under this strategy is the implementation of continuous rehabilitation of mangrove forests in the coastal municipalities of Isabela. For this year, as per approved proposal, rehabilitation of **10 hectares mangrove forests** were programed for implementation: **8 hectares in Divilacan** and **2 hectares in Palanan**. Specifically, the sites were located at Barangay Dimasalansan in Divilacan and Barangay Maligaya in Palanan. These areas were also inspected on October 3-7, 2022, simultaneous with the inspection for the Beach Forest Rehabilitation Project, and affirmed the following:

1. In Barangay Maligaya, Palanan, enrichment planting was conducted where propagules of rattan and bakawan were planted. Out of the 5,000 propagules programmed to be planted, remaining 1,800 was not yet outplanted during the inspection; the propagules are still in the process of hardening at the MENRO Nursery. Nevertheless, as reported by the LGU counterpart, the remaining seedlings were already planted in November.
2. In Dimasalansan, Divilacan, the team found out that 30 of the bakawan and rattan propagules allotted for the project were already planted, while the remaining shall be planted on a later schedule in consideration of the tidal heights. However, this office



was informed thru the Municipal ENR Office that the propagules were completely planted in November.



This project commenced in 2018 and is sustained as a regular annual activity. To date, the PGI-ENRO in close coordination with partner LGUs have accomplished the following:

Table IV. Accomplished Mangrove Forest Rehabilitation Projects

LGU	Location	Area/s	Year Implemented	Approx. Survival Rate (%)	Status
Divilacan	Brgy. Dimasalansan	8.0	2022	85	Maintained by LGU-MENRO, monitored by PGI-ENRO
Palanan	Brgy. Maligaya	2.0	2022	90	Maintained by LGU-MENRO, monitored by PGI-ENRO

Divilacan	Brgy. Dimasalansan	6.0	2021	95	Maintained by LGU-MENRO, monitored by PGI-ENRO
Maconacon	Brgy. Reina Mercedes	2.0	2019	80	Maintained by LGU-MENRO, monitored by PGI-ENRO
Divilacan	Brgy. Dimasalansan	4.0	2018	95	Maintained by LGU-MENRO, monitored by PGI-ENRO
TOTAL		22.0			

Maintenance and protection activities for the above area plantations were sustained by the partner LGUs through the supervision of its respective Municipal ENR Office with photo-documentation submitted to this Office showing project developments. And as part of PGI’s commitment, this Office ensured that the areas are being monitored especially during project inspection to validate the photos submitted.

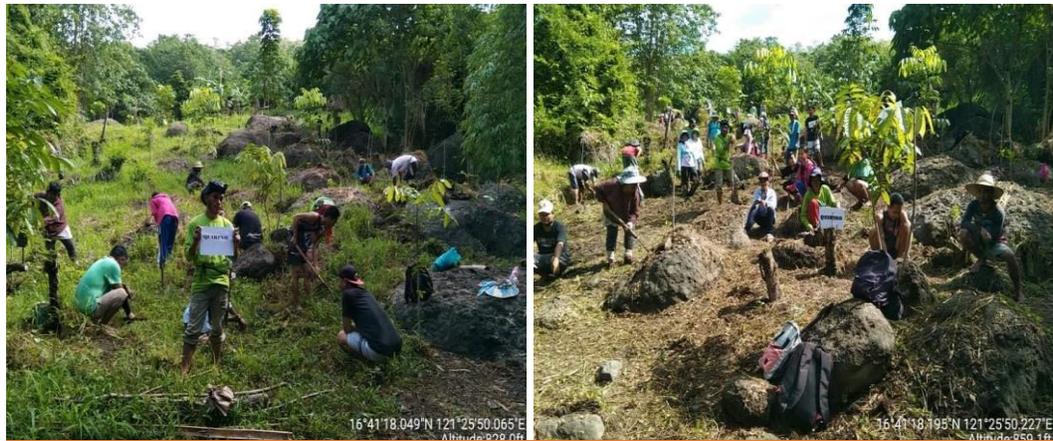


D. Agroforestry and Urban Greening/Carbon Sink Plantation Establishment

The Provincial Government promotes agroforestry and urban greening/carbon sink plantation establishment projects directed at arresting resource depletion and environmental degradation. This initiative supports re-greening programs for climate change mitigation and adaptation measures simultaneously promoting food

sustainability thru planting high value crops such as fruit-bearing trees intercropped with cash crops.

For this year, the project was targeted to be implemented in partnership with the Local Government Units of Cordon, Roxas, Benito Soliven, Echague, Jones and San Isidro, Isabela. Aforesaid LGUs assisted the PG-ENRO in the conduct of site identification, inspection and evaluation of the project sites. However, this project was only realized in the Municipalities of Cordon, Echague and Roxas. The seedlings and fertilizer requirements were provided by the Provincial Government, the labor component for site preparation and planting by DSWD thru the Cash-for-Work Program particularly in Cordon and Echague, while continued maintenance and protection activities is the counterpart of City/Municipal LGUs together with the barangays where the project areas are located.



Cordon, Isabela

E. Riparian Rehabilitation and Development Project

For this year, the project was implemented in partnership with the Local Government Units of Cauayan City, Echague, Reina Mercedes, San Agustin, San Mateo, Sto. Tomas and Tumauni, Isabela. Said LGUs assisted personnel of this Office in the conduct of site identification, inspection and evaluation for their proposed project sites. The seedlings and fertilizer requirements were provided by the Provincial Government, the labor component for site preparation and planting by DSWD thru the Cash-for-Work Program, while the continued maintenance and protection activities is the counterpart of City/Municipal LGUs together with the barangays where the project areas are located. The Provincial Government sourced-out the amount of Php 586,500.00 from its 2022 Economic Development Fund for the seedlings and fertilizer requirements.



San Agustin, Isabela



Echague, Isabela



Sto. Tomas, Isabela



Echague, Isabela (Monitoring)



**ENVIRONMENTAL
MANAGEMENT
DIVISION**

ENVIRONMENTAL MANAGEMENT DIVISION

Planned programs, projects, and activities of the Environmental Management Division were geared towards proper implementation & enforcement of environmental laws & policies mandated under RA 7160 which is the devolution of ENR functions to the local government units. The ENR Office as the technical arm of the Provincial Government of Isabela has implemented programs and activities aligned with the flagship thrusts of the Local Chief Executive concerning environmental protection, rehabilitation and development.

I. Search For the Most Environment-Friendly Barangays

The Provincial Solid Waste Management Board (PSWMB) through the Environment and Natural Resources Office, continually implemented its mandates as indicated in the 10-Year Provincial Solid Waste Management Plan, one of which was the conduct of Annual Provincial Search for the Most Environment-Friendly Barangays. The Search is undertaken in partnership with the City/Municipal Local Government Units. Through this activity, LGUs were encouraged and required to conduct a Search within their respective jurisdictions, thus, enjoining all barangays to participate and showcase their best practices, initiatives and innovations, and awareness of programs in their implementation of various environmental laws, specifically RA 9003 otherwise known as the Ecological Solid Waste Management Act of 2000.

The Provincial Government, thru this program, gives awards and incentives to encourage barangays to sustain their innovations and efforts on garbage segregation; to magnify the information and education campaign on solid waste management adopting segregation at source; and to promote healthy competition between and among all the barangays in the Province.

For this year, the following were the requirements and methods applied for the conduct of the Search, to wit:

- Submission of entry documents with endorsement letter from the Local Chief Executive;
- Documentation of programs, projects, and activities implemented by the barangays relative to the Implementing Rules and Regulation of RA 9003, specifically on the hierarchy of waste management;
- Other supporting documents such as barangay photo documents, ordinances/resolutions/initiatives/innovations, and best practices; and
- Field validation/evaluation of entry documents by the Board of Evaluators.

The Board of Evaluators, consisted of technical personnel and representatives from the DENR-EMB-PEMU, Isabela; Department of Interior and Local Government (DILG) - Isabela; PAYOGA/KAPATAGAN Multi-Purpose Cooperative Inc. (NGO); and Isabela League of Local Environment and Natural Resources Officers (ILLENRO), convened to review the Criteria; after which, finalized the schedule of activities and then consolidated the results of the Search.

The entries for the Search were evaluated based on the criteria of the four (4) aspects of Ecological Solid Waste Management Act of 2000 or RA 9003 namely, Functional Barangay Ecological Solid Waste Management Committee; Operation and Functionality of Materials Recovery Facility (MRF); Implementation of Segregation at Source; Compliance of Segregated Collection and other ESWM Innovations.

From the two (2) Cities and thirty-four (34) Municipalities in the province, there were only twenty-four (24) entries submitted. After thorough review of the submitted documents for barangay-entries, actual field evaluation commenced on the 3rd week of August. The following barangays were evaluated, to wit:

Table V. Actual field evaluation schedule

August 16, 2022	1. Brgy. Quezon, San Isidro 2. Brgy. Osmeña, Cordon
August 17, 2022	3. Brgy. Canan, Cabatuan 4. Brgy. Villa Marcos, Ramon
August 18, 2022	5. Brgy. Harana, Luna 6. Brgy. Alibagu, City of Ilagan
September 6, 2022	7. Brgy. Dalig, Burgos 8. Brgy. San Juan, Quirino
September 7, 2022	9. Brgy. Dumawing, Jones
September 8, 2022	10. Brgy. Anonang, San Guillermo 11. Brgy. Pangal Sur, Echague
September 9, 2022	12. Brgy. Casibarag Sur, Cabagan 13. Brgy. Mabini, Gamu
October 11, 2022	14. Brgy. San Roque, San Mateo
October 12, 2022	15. Brgy. Rizal, Delfin Albano 16. Brgy. District 2, San Manuel
October 13, 2022	17. Brgy. Arcon, Tumauni 18. Brgy. San Jose Sur, Mallig
October 26, 2022	19. Brgy. Labinab, Pequeño, Reina Mercedes 20. Brgy. Bungad, San Pablo
November 9, 2022	21. Brgy. Villa Conception, Cauayan City
November 10, 2022	22. Brgy. San Juan, Quezon 23. Brgy. San Antonio, Roxas
November 29, 2022	24. Brgy. Dicaruyan, Divilacan

The City/Municipal ENR Officer assisted the evaluators in the conduct of actual evaluation and assessment of documents. Exit conferences were correspondingly conducted in every barangay to convey its officials on the initial results, observations, suggestions, and recommendations by the Board of Evaluators.



The evaluators, finally, convened and after series of discussions, the team were able to identify the winning barangays, to wit:

Table VI. List of Winners in the Search for the Most Environment-Friendly Barangays

PLACE	TOP FIVE WINNERS
Champion	Anonang, San Guillermo

1 st Runner-up	Villa Marcos, Ramon
2 nd Runner-up	Dumawing, Jones
3 rd Runner-up	Villa Concepcion, Cauayan City
4 th Runner-up	San Juan, Quezon

Table VII. Cash rewards for the winning barangays

PLACE	TOP FIVE WINNERS
Champion	Php 50,000.00
1 st Runner-up	Php 40,000.00
2 nd Runner-up	Php 30,000.00
3 rd Runner-up	Php 20,000.00
4 th Runner-up	Php 10,000.00

Consolation prizes shall also be given to the non-winning barangays.

*Conduct of evaluation of the
Search for the Most Environment-Friendly Barangays*



II. Updating Of the Provincial 10-Year Ecological Solid Waste Management (ESWM) Plan

Section 16 of RA 9003 requires that provinces, cities, and municipalities through its Local Solid Waste Management Boards (SWMBs), shall prepare their respective 10-Year Solid Waste Management Plans (SWMPs) consistent with the National Solid Waste Management Framework. All SWMPs shall be subjected to the approval of the Commission and shall be reviewed and updated every year by the Provincial, City, or Municipal SWMBs.

In compliance with the above provision, the Provincial 10-year ESWM Plan was updated, based on the submitted individual plans of its component cities and municipalities, and the priority programs and initiatives of the Provincial Local Government. On July 21, 2022, the 10-Year Provincial Solid Waste Management Plan (2018-2027) was presented by the Provincial Governor, Hon. Rodolfo T. Albano III and deliberated for approval before the National Solid Waste Management Commission. The panelists were composed of three (3) - member representatives: Commissioner Crispian Lao from the NSWMC; Mr. Joven Barcelo from the Department of Science and Technology-Industrial Technology Development Institute (DOST-ITDI) and Mr. Dwight Ramos of the Coalition of Solid Waste Management Providers (CSMP). The plan was officially approved on the 26th of July, 2022 by virtue of NSWMC Resolution No. 996-A. Further, the Province of Isabela was required to submit the final version of the plan, with Sangguniang Panlalawigan Resolution and an annual progress report on the strategies implemented, as well as the accomplishments, to the NSWMC, through its Secretariat.



Updating of the Ten-Year Provincial Ecological Solid Waste Management Plan for 2018-2027

The table below shows the status of the Provincial/City/Municipal Solid Waste Management Plans of all component cities and municipalities of the Province of Isabela. Data was based on the record of DENR-Environmental Management Bureau Region 02, as of December 31, 2022.

Table VIII. Status of Provincial/Municipal/City ESWM Plans in the Province of Isabela

	City/Municipality	Status
1	ALICIA	Approved Plan
2	ANGADANAN	Returned to MLGU
3	AURORA	Returned to MLGU
4	BENITO SOLIVEN	Approved Plan
5	BURGOS	Approved Plan
6	CABAGAN	Approved, to be expired 2024
7	CABATUAN	Approved Plan
8	CAUAYAN CITY	For review by EMB-R02
9	CORDON	Approved
10	DELFIN ALBANO	Approved Plan
11	DINAPIGUE	Returned to MLGU
12	DIVILACAN	For review by EMB-R02
13	ECHAGUE	Approved Plan
14	GAMU	Approved Plan
15	ILAGAN CITY	Approved Plan
16	JONES	Approved Plan
17	LUNA	Approved Plan
18	MACONACON	For review by EMB-R02
19	MALLIG	Approved Plan
20	NAGUILIAN	Approved Plan
21	PALANAN	Returned to MLGU
22	QUEZON	Approved Plan
23	QUIRINO	Approved, Updating
24	RAMON	Approved Plan
25	REINA MERCEDES	Returned to MLGU
26	ROXAS	Approved, Updating
27	SAN AGUSTIN	For review by EMB-R02
28	SAN GUILLERMO	For review by EMB-R02
29	SAN ISIDRO	Approved Plan
30	SAN MANUEL	Approved Plan
31	SAN MARIANO	Approved Plan
32	SAN MATEO	Approved, to be expired 2023
33	SAN PABLO	Endorsed to SWMD for further review prior to endorsement to NSWMC EXECOM
34	SANTA MARIA	Endorsed to SWMD for further review prior to endorsement to NSWMC EXECOM
35	SANTO TOMAS	Endorsed to SWMD for further review prior to endorsement to NSWMC EXECOM
36	TUMAUINI	Approved Plan
	ISABELA PROVINCE	Approved Plan

Out of thirty-six (36) component LGUs of the Province, twenty-three (23) individual plans have been approved, two (2) are currently on-process of updating; five (5) for review by DENR-EMB-R02; five (5) returned to MLGU; and three (3) endorsed to SWMD for further review prior to endorsement to NSWMC ExeCom.

The following table shows the status of Sanitary Landfill Facility of the LGUs based on actual monitoring as of December 31, 2022, to wit:

Table IX. Status on the Sanitary Landfill Facility (SLF) of LGUs.

	City/Municipality	Status
1	ALICIA	MOA with Cauayan City
2	ANGADANAN	Using Residual Containment Area
3	AURORA	MOA with Cauayan City
4	BENITO SOLIVEN	Operational Sanitary Landfill Facility
5	BURGOS	MOA with Cauayan City
6	CABAGAN	Operational Sanitary Landfill Facility
7	CABATUAN	MOA with Cauayan City
8	CAUAYAN CITY	Operational Sanitary Landfill Facility
9	CORDON	MOA with Ramon
10	DELFIN ALBANO	Operational Sanitary Landfill Facility
11	DINAPIGUE	Using Residual Containment Area
12	DIVILACAN	Using Residual Containment Area
13	ECHAGUE	Operational Sanitary Landfill Facility
14	GAMU	Using Residual Containment Area
15	ILAGAN CITY	Operational Sanitary Landfill Facility
16	JONES	Operational Sanitary Landfill Facility
17	LUNA	MOA with Cauayan City
18	MACONACON	Using Residual Containment Area
19	MALLIG	Operational Sanitary Landfill Facility
20	NAGUILIAN	Operational Sanitary Landfill Facility
21	PALANAN	Using Residual Containment Area
22	QUEZON	Operational Sanitary Landfill Facility
23	QUIRINO	Using Residual Containment Area
24	RAMON	Operational Sanitary Landfill Facility
25	REINA MERCEDES	MOA with Cauayan City
26	ROXAS	Operational Sanitary Landfill Facility
27	SAN AGUSTIN	Using Residual Containment Area
28	SAN GUILLERMO	Using Residual Containment Area
29	SAN ISIDRO	MOA with Cauayan City
30	SAN MANUEL	MOA with Cauayan City
31	SAN MARIANO	Operational Sanitary Landfill Facility
32	SAN MATEO	Operational Sanitary Landfill Facility
33	SAN PABLO	Using Residual Containment Area
34	SANTA MARIA	Using Residual Containment Area
35	SANTO TOMAS	Using Residual Containment Area
36	TUMAUNINI	Operational Sanitary Landfill Facility

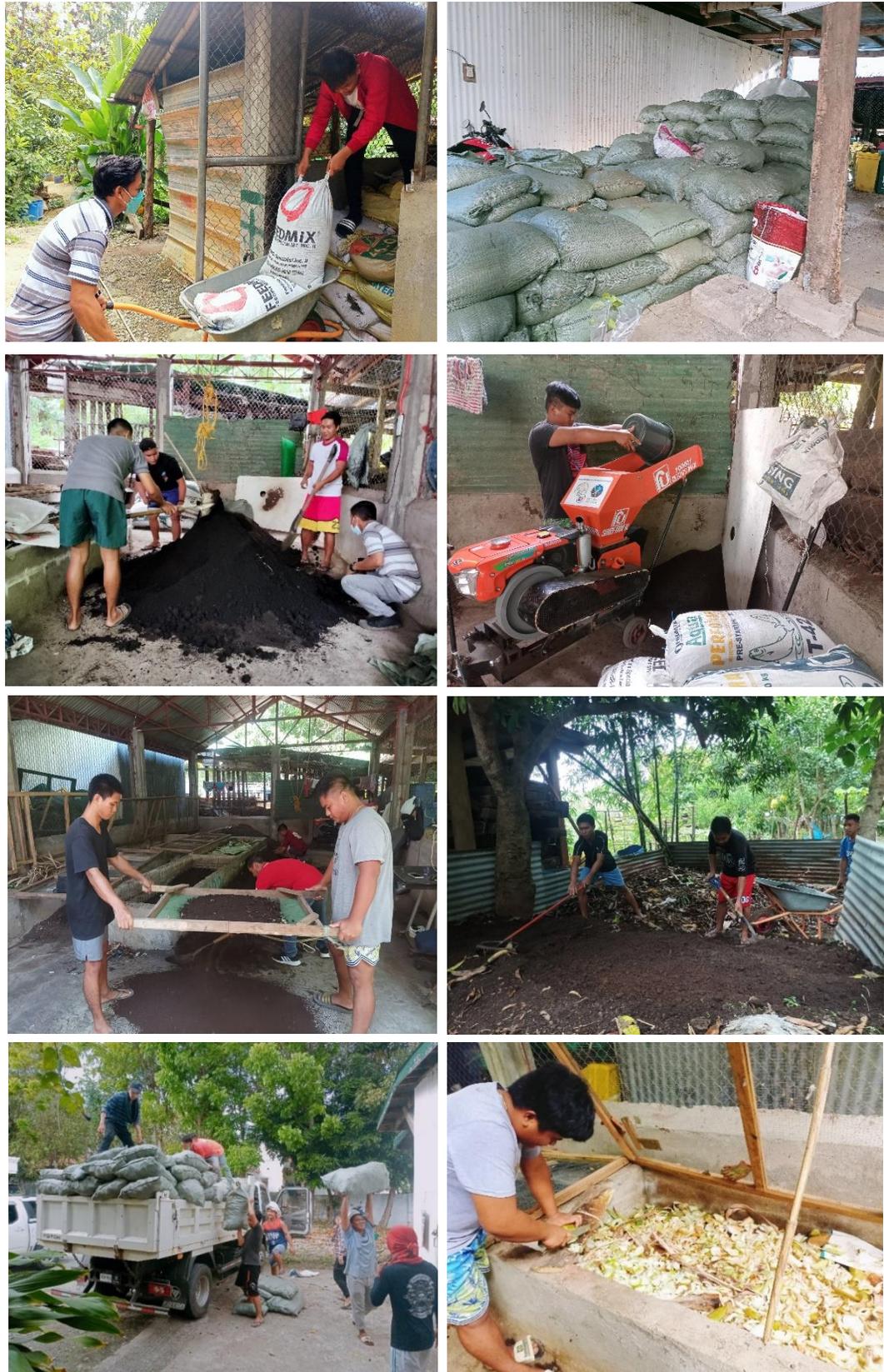
Out of the thirty-six (36) component LGUs of the Province, the two (2) component cities and thirteen (13) municipalities have already established their SLFs; eight (8) municipalities have their MOA with Cauayan City; twelve (12) are using Residual Containment Areas; and one (1) municipality is clustered to LGU-Ramon.

III. Material Recovery Facility Operation Under the Provincial Ecology Center

a. Organic Fertilizer Production thru Vermi-Composting

For this year, manned by two Job-Order workers, four GIP Beneficiaries and supervised by one (1) technical personnel, a total of **Seventeen Thousand Seventy (17,070) kilograms of organic fertilizer were produced** at the vermicomposting facility,

and a total of **5,935 kilograms** were released to various requesting individuals and partner agencies, specifically the Office of the Provincial Agriculturist for their use in maintaining the Provincial Vegetable Nursery. Continuous collection of organic materials was implemented. And to facilitate the process of decomposition as well as accelerate the consumption of these organic materials, the composting facility equipment specifically the shredder was also utilized to hasten the in degradation of materials for the vermi-worms. Further, an Organic Garden was established and maintained at the back of the ENRO utilizing the organic fertilizer produced.



Operation and Maintenance of the Organic Fertilizer Production Facility utilizing the shredder machine to hasten decomposition of organic materials.



Establishment and development of organic vegetable garden at the back of ENR Office utilizing the produced organic fertilizer

b. Production of Green Charcoal

Another activity of the hired job orders manning the Material Recovery Facility under the Provincial Ecology Center focused on the production of green charcoal briquettes. One way to managed used/old cartons, disposed office files and other paper wastes is through recycling. Through this process, the office was able to produced a total of **129 kilograms** of charcoal briquettes.



Charcoal briquettes produced from paper are mainly used for cooking. One kilo of briquettes burns for about 2 hours in a briquette store and produces enough heat to cook 2 meals for 4 people. Use of briquettes from discarded materials help to reduce dependence on fossil fuels and fuelwood.

IV. Monitoring of Waste Disposal Facilities (Sanitary Landfill, Residual Containment Area and Materials Recovery Facility)

One of the priority programs as devolved functions of the Provincial Government of Isabela thru the Environment and Natural Resources Office is the monitoring of waste disposal and solid waste management system of Municipal and City LGUs as well as the Provincially-operated hospitals as mandated under RA 9003.

The following sites were monitored, to wit:

1. San Pablo Sanitary Landfill Facility

The facility was monitored on February 24, 2022 with the following observations, to wit:

- a. The Sanitary Landfill Facility (SLF), located at Brgy. Annanuman, San Pablo, was still un-operational because accordingly, the quality of the plastic liner used was not in accordance with the requirements of DENR-EMB;
- b. The RCA is functional but not properly utilized according to its purpose;
- c. Residual wastes collected during the clean-up drive at Brgy. Calamagui were still in the RCA; and
- d. Scattered mixed wastes were present in the area.

Recommendations:

- a. The scattered mixed wastes must be segregated and disposed properly at the RCA;
- b. The LGU should monitor their collector ensuring proper disposal of collected residual wastes in their disposal facility;
- c. Purchase of the High-Density Polyethylene (HDPE) plastic liner should be prioritized in order for the SLF to be utilized; and
- d. Strict implementation of Municipal/Barangay ordinances/policies on RA 9003 also known as Ecological Solid Waste Management Act of 2000.



2. Cabagan Sanitary Landfill Facility

Personnel of this Office monitored the Sanitary Landfill (SLF) of Cabagan on February 24, 2022 with the following results, to wit:

- a. The SLF was designed as Category I which can accommodate cumulative total of 5,852.51 cu.m residual wastes per annum with a dimension of 40m x 20m x 5m sufficient for the next 5 years;
- b. The facility has complete amenities like administration building with CCTV, multi-purpose warehouse, Material Recovery Facility (MRF) for final sorting and waste recovery, drainage canal, leachate pond, rainwater collector, monitoring well, vaults for special wastes, fence, vegetation and concrete road going to the site with signages;
- c. There were observed minimal recyclable materials mixed in the cell, but accordingly, personnel assigned were doing ways to recover said wastes prior to back-filling. There were personnel permanently assigned in the area as segregator and the

segregated recovered recyclable wastes were brought to a junkshop operator as their partner in the segregation of wastes;

- d. As to alternative technology for reducing residual wastes, the LGU has purchased glass shredder for bricks and the compost use of the mechanical shredder donated by the DENR-EMB for composting.



3. Divilacan Sanitary Landfill Facility

Monitored and inspected the SLF situated at Barangay Dicambangan with these observations as follows:

- a. The SLF has been under construction since 2021 and is designed as Category I with a total land area of 2.5 hectares; and
- b. The old controlled dumpsite was closed in accordance with the Safe Closure Rehabilitation Plan (SCRП).



4. Gamu Residual Containment Area

Personnel from this office monitored the waste disposal facility of Gamu located at Barangay Dammao on June 16, 2022. Observations were as follows:

- a. There is no segregation of wastes implemented evidenced by scattered mixed garbage in the area; and
- b. The supposed-to-be Residual Containment Area became an open dumpsite.

Recommendation:

- a. It was recommended that the area should be properly cleaned and wastes be segregated according to classification.



5. Quirino Residual Containment Area



The Residual Containment Area and Materials Recovery Facility is located at Barangay Villa Miguel wherein the proposed site of SLF will be established.

6. San Isidro Residual Containment Area

The RCA was monitored on June 16, 2022. Wastes were temporarily stored and sorted in their MRF and RCA before its final disposal at the Cauayan City Sanitary Landfill Facility.



7. Tumauni Sanitary Landfill Facility

The SLF, located at Brgy. Namnama, Tumauni, was monitored on June 16, 2022. The following were the observations, to wit:

- a. Material Recovery Facility and other facilities were established;
- b. Equipment, like bottle crusher, plastic/biodegradable shredder were installed in a warehouse; and
- c. The first cell has been partially full but can still accommodate more if totally flattened and compacted.

According to Engr. Limbauan, MENR Officer, the SLF got filled immediately due to improper waste disposal. He made an affirmation that the next cell which was under construction will be properly managed and monitored so that only residual wastes will be disposed to the cell and shall be properly compacted.



8. Delfin Albano Sanitary Landfill Facility

The SLF is located at Barangay Carmencita, Delfin Albano. The results of the monitoring were as follows:

- a. The garbage collected were placed in sacks, accordingly, to avoid scattering of wastes;
- b. There were no personnel permanently assigned in the area as sorters/segregator or guards; and
- c. The area has no access to electricity and no other infrastructure established except the cell.



9. Jones Sanitary Landfill Facility

This office monitored the newly opened SLF located at Barangay Fugu, Jones, Isabela on August 10, 2022. Observations were as follows:

- a. There were two garbage dump trucks, one backhoe, one rotary composter, and two coconut husk shredders equipment in the area;
- b. There were also six (6) contractual employees permanently assigned in the area to segregate wastes at the MRF; and
- c. Schedule of collection of residual wastes were conducted daily while three times a week for the recyclable waste.



On-the-Job Training Junior Forestry Students from ISU Cabagan-College of Forestry and Environmental Management (CFEM) also joined in the monitoring as part of their exposure to the different activities of the office.

10. Echague Sanitary Landfill Facility

The facility was monitored on August 15, 2022 and the following was observed, to wit:

- a. The SLF has a total land area of 6.5 hectares located at Barangay Pangal Sur;
- b. The life span of the SLF is approximately ten years;
- c. Collection of solid wastes were scheduled daily at Población areas while other areas were scheduled bi-monthly;
- d. To determine the volume of waste, the truck used was weighed upon entry; and
- e. Personnel assigned to operate the equipment (rotary composter, glass crusher, and coconut husk shredder) were available in the area.





11. San Mariano Sanitary Landfill Facility

The SLF of San Mariano, located at Barangay Palutan, was monitored on September 7, 2022. Accordingly, the SLF started its operation in 2018. Result of the monitoring were as follows:

- a. The first cell is almost full;
- b. Some of the residual wastes were scattered because the compactor machine malfunctioned;
- c. There were personnel assigned in the area as sorters/segregators; and
- d. Biodegradable/Compostable wastes collected from the public market are used as substrates in the production of organic fertilizer.





Cell



Leachate pond



Material Recovery Facility



Organic fertilizer using the Rotary Bio-composter

Sanitary Landfill of San Mariano, Isabela

12. Benito Soliven Sanitary Landfill Facility

Based on the monitoring conducted on September 7, 2022, the following were the observations, to wit:

- a. The MENRO personnel were manually transferring the wastes in sacks from the RCA to the SLF area;
- b. There was a bottle shredder donated by the DENR-EMB R02; and
- c. No other equipment like compactor and backhoe were available on site.



Bricks mixed with shredded bottles



Municipal Material Recovery Facility

13. Naguilian Sanitary Landfill Facility

The SLF started its operation on February 2022. During the monitoring of the SLF on September 29, 2022, the following were observed:

- a. It has an established and functional MRF, RCA, Composting Facility, Hazardous/Infectious Waste vaults, and two leachate ponds for initial and final filtering of the wastes;
- b. The facility accommodated mixed wastes; and
- c. A segregator was assigned to segregate the waste collected.



14. San Mateo Sanitary Landfill Facility

The San Mateo SLF, located at Brgy. Marasat Pequeño, was monitored on September 7, 2022. The land area has a total of 2.0 hectares and started its operation in 2021. Monitoring results were as follows:

- a. There was an ongoing construction of shed for the biodegradable shredder and composter machine;
- b. The leachate pond was covered with net to avoid the entry of frogs and other rodents; and
- c. A High Density Polyethylene (HDPE) was used as liner to minimize the transfer of leachate to the environment.



Shed for shredder and composter machine

Leachate pond cover with net

15. Ramon Sanitary Landfill Facility

The SLF, located at Brgy. San Miguel, started its operation in 2021 and the site has a total land area of 5.0 hectares. The result of the monitoring were as follows:

- a. There was an ongoing excavation in the area for the construction of the second cell;
- b. Wastes were placed in sacks and were compacted once a month; and
- c. There were 2 leachate ponds for the initial and final filtering.



16. Quezon Sanitary Landfill Facility

The SLF of Quezon, located at Barangay Namnama, was operational since 2012. The following were the observations during the monitoring conducted on October 5, 2022, to wit:

- a. One fourth portion of the cell was planted with various trees as Ecopark;
- b. There were two scavengers in the area and according to them, they were able to collect recyclable materials up to 400 kilograms a month;
- c. Waste disposed in the area was not 100% residual waste; and
- d. The collected biodegradable wastes from the market were piled at the back of the vermicomposting building.



17. Mallig Sanitary Landfill Facility

The results of the monitoring conducted within the SLF located at Barangay Manano were as follows:

- a. The facility has MRF, drainage canal, leachate pond, monitoring well, hazardous waste vaults, fence, and vegetation; and
- b. The cell is too deep and not yet backfilled with soil.



18. San Agustin Residual Containment Area and Proposed Sanitary Landfill Facility

Personnel from this office monitored the San Agustin RCA & proposed SLF on October 6, 2022. Observations were as follows:

- a. The site has a total land area of 7 hectares;
- b. Out of 23 barangays, the RCA can only accommodate wastes coming from 4 urban barangays; and
- c. Plastic residual wastes were shredded and placed in the MRF to minimize the use of space in the RCA.



19. Cauayan City Sanitary Landfill Facility

Monitored on November 19, 2022, the following were observed, to wit:

- a. The SLF was located at So. Callagui, Barangay San Pablo with a total land area of 6.0 hectares and designed as Category II facility;
- b. The SLF was temporarily closed because it is under rehabilitation;
- c. The collected wastes were mixed; and
- d. Presence of vermicomposting facility for the production of organic fertilizer in the area.

Recommendations:

- a. To prolong the lifespan of the SLF, the collected waste should be properly segregated and supposed to be residual wastes only.



20. Maconacon Waste Disposal Site

The site was monitored on November 28, 2022. Results were as follows:

- a. The waste disposal site was located at Barangay Aplaya while the proposed SLF was in Baranagy Diana;
- b. They have no RCA. Instead, their residual wastes were disposed in an open area; and
- c. The recyclable wastes collected were placed in the MRF.

Recommendations:

- a. They need to construct bigger RCA while waiting for the construction of the SLF; and
- b. All barangays should have their own MRFs.



V. Healthcare Waste Management

One of the activities of the Provincial Government of Isabela thru this Office is the monitoring of Health Care Waste Management of the Provincial-operated hospitals and other healthcare facilities within the province. This is in pursuant to the provisions of the Local Government Code of 1991 and the Ecological Solid Waste Management Act of 2000, which state that LGUs are primarily responsible for the implementation and enforcement of healthcare waste management systems within their respective jurisdictions.

Personnel from this office monitored the GFNDy Hospital, the four (4) district hospitals, and five (5) Healthcare facilities regarding their compliance with hazardous/toxic and special wastes management and disposal. Based on the results of the monitoring, only the Cauayan District Hospital and the City Health Office-1 at Brgy. San Vicente, City of Ilagan, Isabela had existing hazardous waste transporter. While the rest are utilizing septic vaults and all hazardous and infectious wastes were treated with chlorine prior to disposal.



Milagros Albano District Hospital MRF



Cauayan District Hospital Septic Vault



Roxas District Hospital New MRF



Echague District Hospital: (left) Septic Vault;



City of Ilagan Medical Center



City of Ilagan City Health Office-1



Special/hazardous/infectious wastes placed in the corner at the back of Prospero G. Bello Integrated Community Hospital



Divilacan Rural Health Unit

VI. Ecosystems Management

a. Clean-up drive cum IEC Activities

One of the regular activities of the Provincial Government thru this Office were the conduct of clean-up drives along oceans, rivers and/or creeks and its tributaries. This activity aimed not only to keep major waterways from wastes, but also to involve and build partnership with immediate partner agencies and communities in implementing

environmental laws and regulations such as The Philippine Clean Water Act, Clean Air Act and the Ecological Solid Waste Management Act of 2000.

- **ENRO vicinities, Provincial Capitol on January 31, 2022**
 - **National Zero Waste Month Celebration**

In celebration of the Zero Waste Month, the Environment and Natural Resources Office spearheaded by For. Geronimo P. Cabaccan, Jr., with the ISEP-TF operatives, conducted clean-up drive within the vicinities of ENR Office. The observance of Zero Waste Month every January is pursuant to Proclamation No. 760 series of 2014 and in line with the provisions of Republic Act No. 9003 or the Ecological Solid Waste Management Act of 2000.



- **City of Ilagan on March 25, 2022**
 - **Philippine Water Week Celebration**

The ENR Office, in close coordination with the City Local Government Unit of Ilagan thru the City-ENRO, and Barangay Officials of Brgy. Sta.Barbara, conducted clean-up drive along the roadside and creeks of Sta. Barbara, City of Ilagan, Isabela. A total of ninety (90) participants attended the said activity. An estimated 50 sacks of mixed wastes have been collected and properly disposed at the final disposal of the LGU. The clean-up activity was anchored with the Philippine Water Week Celebration with the theme: GROUNDWATER: Making the INVISIBLE, VISIBLE.



➤ **Cabisera 10 (Lupigue), City of Ilagan on April 21, 2022**
• **Earth Day Celebration**

Joining the annual global celebration of Earth Day, the Provincial Government of Isabela thru its ENR Office and in close coordination with the City ENRO of the City of Ilagan, and the participating Barangay Officials of Cabisera 10 (Lupigue), conducted clean-up drive cum IEC activities along the riverbanks of Abuan River, one of the most visited place in the City because of its crystal clear waters and serene environment.

A total of thirty (30) bags of mixed wastes were collected and properly disposed.

The team reiterated informing the barangay officials and other stakeholders present during the activity about the importance of keeping the environment safe and clean for everyone.

Focusing on the proper disposal of solid wastes, the team reminded the participants on the negative impacts of improper waste disposal especially within nearby vicinities of bodies of water such as the Abuan River. Partly discussed during the activity included proper segregation of wastes, prohibited acts with the corresponding fines, and penalties as indicated under RA 9003 otherwise known as the “Ecological Solid Waste Management Act of 2000.” These provisions of the law are being adopted by the barangay/city/municipal/provincial LGUs thru enactment of appropriate resolutions and ordinances.



➤ **Brgy. Kalabaza, Aurora on June 15, 2022**
• **Philippine Environment Month Celebration**

In celebration of Philippine Environment Month with the theme “Aksyon Para sa Natatanging Mundo”, this Office in close coordination with LGU Aurora thru their Municipal Environment and Natural Resources Office (MENRO), conducted clean-up drive cum IEC along Tawtaw Riverbanks. ENRO Personnel, ISEP-Task Force operatives, MENRO staff, Barangay Officials and residents along the riverbank actively took part in the said activity. The team collected approximately 1,300 kgs or 1.3 cubic meter of wastes consisting of plastics, broken glasses, used diapers and construction wastes. The ENR Personnel advised the barangay officials to institute an ordinance as basis for establishing fines and penalties for the violators. They were also advised to put up related signages on proper waste disposal within the entry points of Tawtaw Riverbanks for public awareness.



- **Brgy. Saranay, Cabatuan, Isabela on September 22, 2022.**
 - **National Clean-Up Month**

The PGI thru the ENR Office headed by For. Geronimo P. Cabaccan, Jr., led the observance of the National Clean Up Month thru clean-up drive activity along both sides stretch of Magat River at Barangay Saranay, Cabatuan, Isabela. This activity was participated by various partners and stakeholders: the DENR- Provincial Environmental Management Unit led by OIC PEMU Ms. Eliza L. Macarubbo and her staff, the Municipal LGU counterparts led by Ms. Marites Acorda, the MENRO Designate and constituents from the aforementioned barangay thru the leadership of Brgy. Captain Wilftedo G. Britanico.

After the clean-up activity, an informal IEC/orientation on the salient features of Republic Act No. 9003 otherwise known as the "Ecological Solid Waste Management Act of 2000" followed. This was undertaken in order to re-awaken the consciousness and strong motivation of barangay officials to implement proper solid waste management and other environmental concerns within their areas of jurisdiction especially waste segregation at source at the household level.

In response, the Barangay Captain committed to conduct regular clean-up drive activity within the stretch of the riverbanks of Magat River and continuously monitor and sustain the cleanliness of the area; not only for the benefit of their constituents but all who wish to come and enjoy nature's gift of a healthy and environment-friendly Magat River.

About 900 kgs. of assorted wastes to include bottles and broken glasses were collected. These mixed wastes were segregated by the Barangay Police (tanod) in-charge of collection. Only the residual wastes generated werel be temporarily placed in their Residual Containment Area (RCA) prior to final disposal at the Sanitary Landfill of Cauayan City, Isabela.

Monitoring of the barangay's compliance to the mandates of RA 9003 and their commitment to maintain the cleanliness of Magat River banks and riparian zones shall be continuously undertaken by the PGI-ENRO.



- **Brgy. Dimapula, Divilacan and Brgy. Lita, Maconacon on November 28 and 30**
 - **International Coastal Clean-Up Day**

In observance of the 2022 Annual International Coastal Clean-up Day, the ENR Personnel together with MLGU-Divilacan and Maconacon and its barangay constituents conducted clean-up activity along seashores of the said municipalities.

Table X. Collected wastes during the Coastal Clean-up Day

Location	Biodegradable (kgs.)	Recyclable (kgs.)	Residual (kgs.)	Total (kgs.)
Brgy. Lita, Maconacon	5.70	3.8	2.50	12.00
Brgy. Dimapula, Divilacan	6.20	11.00	8.40	25.60
	11.90	14.80	10.90	37.60



b. Anti-Smoke Belching Campaign

In coordination with partner agencies from DENR-Environmental Management Bureau-Region 02, Land Transportation Office-DOTr Region 02 and with the participation of LGU-MENROs, the Provincial Government of Isabela thru the Environment and Natural Resources Office implemented Anti-Smoke Belching Campaign thru conduct of random roadside testing of vehicles. Following the provisions of DENR-AO 2000-81 Rule XXXV: Roadside Inspection of Motor Vehicles, this activity forms part of the Provincial Government’s initiatives on climate change mitigation and adaptation programs; thereby reduce possible sources of air pollution within its territorial jurisdictions. Below were the series of anti-smoke belching campaigns conducted, to wit:

Table XI. Showing the Location and Schedule of Anti-Smoke Belching Campaigns

Municipality	Date
National Highway, District II, Benito Soliven, Isabela	March 24, 2022
National Highway, Poblacion, Sta. Maria, Isabela	June 23, 2022
National Highway, Tallunan, Reina Mercedes, Isabela	July 21, 2022
National Highway, District II, San Manuel, Isabela	August 18, 2022
National Highway, Del Pilar, Alicia	November 29, 2022

The team flagged-down diesel engine vehicles such as truck, jeeps and SUVs passing thru the national highway and conducted random smoke testing using the opacimeter machine. Around **one hundred thirty-two** diesel engine vehicles were checked and tested. Out of the total vehicles inspected/tested, **forty-six (46) or 35%** did not meet the opacity standard of smoke emission.

All vehicles that did not meet the standard opacity were served with citation tickets and confiscation of the drivers' licenses by the LTO counterpart. For the said documents to be returned to owners, they were required to pay the corresponding penalty and their vehicles must have to meet the prescribed opacity standard.



Barangay District II, Benito Soliven, Isabela



Barangay Poblacion, Sta. Maria, Isabela



Barangay Tallunan, Reina Mercedes, Isabela



Barangay District II, San Manuel, Isabela



Barangay Del Pilar, Alicia, Isabela

VII. Monitoring of ESWM-Related PGI Executive Orders/Ordinance

To strictly enforce the implementation of RA 9003 and Executive Order No. 33-2020, personnel from this Office conducted random monitoring of 26 barangays in compliance with the said Act and Executive Order. All concerned barangay officials were informed on the relevance of proper waste disposal and its negative effects to the environment if done otherwise.

Some photos taken during the monitoring



VIII. Provincial Solid Waste Management Board

The Provincial Solid Waste Management Board – Isabela conducted its regular quarterly meetings attended by its regular members from the different sectors, with the following agenda, to wit:

First Quarter

1. Executive Order No. 35 Series of 2019: Reorganizing the Provincial Solid Waste Management Board of the Province of Isabela;
2. Status of City/Municipal 10-Year Ecological Solid Waste Management (ESWM) Plans and Status of Waste Disposal Management in the Province of Isabela;
3. How to Manage Special/Healthcare (toxic, hazardous and infectious) Wastes as provided for under RA 6969;
4. Criteria in the Conduct of Search for the Most Environment-Friendly Barangays in the Province of Isabela; and
5. Presentation of Cash for Work Program for Climate Change Adaptation.

Second Quarter

1. Treatment and Disposal of Infectious Wastes;
2. EMB Plans and Programs Relative to RA 9003 Implementing for Dissemination to LGUs;
3. Proposed Establishment of Joint EMB-PGI Compliance Monitoring Mechanism on RA No. 9003 implementation in the Province of Isabela;
4. Launching of the Search for the Most Environment-Friendly Barangays; and
5. Launching of 1 Million Bamboos in 1 Day Project of the PGI.

Third Quarter

1. Assessment/Updates on the implementation of ENR Devolved Functions as per Mandanas Ruling per LGU;
2. Review on the Status of C/M ENR Office Organizations; and
3. Updates on the Search for the Most Environment Friendly Barangays.

Fourth Quarter

1. Assessment/Updates on the Implementation of ENR Devolved Functions as per Mandanas Ruling per LGU; and
2. Review on the Status of C/M ENR Office Organizations.

IX. Information, Education and Communication Activities

The key to a successful project implementation is the active participation of stakeholders and the general public in its planning and implementation. And one of the best ways to involve our constituents is to create environmental consciousness and participation through the conduct of Information, Education and Communication (IEC) activities.

September 22, 2022 – In observance of National Clean-up, this Office conducted IEC at Brgy. Saranay, Cabatuan, Isabela. Said activity was participated by various partners and stakeholders to include DENR-Provincial Environmental Management Unit led by OIC PEMU Ms. Eliza L. Macarubbo and her staff, the Municipal counterparts led by Ms. Marites Acorda, the MENRO-Designate and constituents from the barangay thru the leadership of Brgy. Captain Wilfredo G. Britanico.

This activity was undertaken in order to re-awaken the consciousness and strong motivation of barangay officials to implement proper solid wastes management and other environmental concerns within their areas of jurisdiction especially waste segregation at source at the household level.



November 29, 2022 – Conducted IEC in celebration of National Environmental Awareness Month in Maconacon, Isabela. In attendance were the Municipal Mayor and staff, Private Secretary, LGU Consultant, MENRO and staff, Elementary and High School Principals and all Barangay Captains of Maconacon. The ENR Personnel together with EMB-PEMU representative discussed RA 9003 specifically proper waste segregation and waste disposal. They also tackled some of the Environmental Laws to include RA 8749, RA 9275, and Executive Order Nos. 33, 40, 42, 43 and 44 issued by the Governor, Hon. Rodolfo T. Albano III. Mayor Quebral expressed his gratitude to the Provincial Government for their concern and guidance in the implementation of RA 9003. He also shared that LGU Maconacon was still learning and starting their ways forward to a cleaner, greener and ESWM compliant municipality. The Mayor gave his all-out support to his MENRO and all the barangay captains (9 out of 10 barangays) present.



X. Provision of Technical Assistance

It is mandated by law that all locale must have implemented waste management policies and have constructed facilities to address the concerns regarding waste reduction and diversion. Waste Analysis and Characterization Study (WACS) is one of the means of determining certain parameters that will aid in the conceptualization and materialization of such management tools.

With the aim to come-up with sustainable programs, projects and activities for the plan implementation, the Provincial Government thru the ENR Office assisted in the updating of individual city/municipal ESWM plans thru material and technical assistance for the conduct of Waste Analysis and Characterization Study (WACS) and Information, Education and Communication activities of requesting LGUs.

For this year, the Municipality of Cabagan requested for technical assistance in the conduct of end-of-pipe WACS on July 26-27, 2022 to attain a general grasp of the town's waste composition.

The activity was conducted at the Sanitary Land Fill site in which the following wastes were characterized, to wit:

1. One truck loaded with market wastes;
2. One truck loaded with household and non-household wastes; and
3. Sample of household wastes from different barangays.

Further, said activity was also conducted in order to have a reliable waste management data as basis in updating their 10-Year Solid Waste Management Plan. As to

their next move, another WACS shall be scheduled for every barangay to determine if the data will match the result of the previous WACS conducted.



November 21, 2022 – The Municipality of Burgos requested technical assistance in the conduct of orientation amongst Barangay LGUs and MENRO personnel relative to the salient features of RA 9003, Guidelines on the Search for the Most Environment-Friendly Barangays and Good Practices in the long-term sustainability of the program.

This activity was conducted in preparation for their 2023 Municipal-wide Search for the Most Environment-Friendly Barangay which aims to recognize barangays in the locality that exemplify the promotion of proper solid waste management and that serve as model barangays in the implementation of RA 9003.



XI. Other Related Activities

Capacity Building Attended

- Personnel of this Office attended the two-day Capacity Building on water and air quality monitoring relative to Executive Order No. 138 dated June 1, 2021 regarding the full devolution of certain functions of the Executive Branch to local governments, creation of committee on devolution and other purposes. The training was conducted by the DENR- Environmental Management Bureau Region 02 participated by the Municipal Environment and Natural Resources Officers together with Pollution Control Officers (PCOs) on July 5-6, 2022 at Piazza Zicarelli, Gamu, Isabela



- ENR Personnel attended the two-day Capacity Building for Local Government Units conducted by the DENR-Environmental Management Bureau Region 02 on December 1-2, 2022 at Piazza Zicarelli, Gamu, Isabela.



- A representative from this Office served as Speaker on Enhanced Parent Effectiveness Service (EPES) Training conducted by the Provincial Social Welfare and Development. Said training was attended by C/MSWDOs staff; Child Development Workers; and Barangay VAW Desk officers. The following topics were discussed, to wit:
 - Community Protection
 - Home-Based Waste Management
 - Chemicals and Toxics



- As a representative of the Provincial Government of Isabela, personnel from this Office attended the Inauguration of Sanitary Landfill Facility of Jones, Isabela located at Brgy. Fugu on July 13, 2022.





**MINERAL
RESOURCES
MANAGEMENT
DIVISION**

MINERAL RESOURCES MANAGEMENT DIVISION

I. Monitoring of Extraction Activities

A. Processing of Permit Applications

Commercial Sand and Gravel (CSAG) – This year, the office received **Thirty-Two (32)** CSAG Permit Applications from the different Quarry Locations within the province with corresponding administrative/processing fees collected by the Provincial Treasurer’s Office amounting to **Three Hundred Sixty-Two Thousand Five Hundred Sixty (Php362,560.00) pesos only.**

Table I. List of Commercial Sand and Gravel Permit Applications

Name of Applicants		QUARRY SITE	Area
001	Edwin P. Uy	Banquero, Reina Mercedes, Isabela	5.00
002	Rosalino U. Urandayan, Jr.	San Ignacio, City of Ilagan, Isabela	4.99
003	Engr. Elvin M. Ramos	Casibarang Norte, Cabagan, Isabela	5.00
004	Glenn Moore Angelo E. Caramancion	Disimpit, Jones, Isabela	4.99
005	Rofelin M. Dela Cruz	Sinaoangan Sur, San Agustin, Isabela	5.00
006	Cinderella M. Gatan	Casibarang Sur, Cabagan, Isabela	5.00
007	Justito S. Jimenez, Jr	Fugu Abajo, Tumauni, Isabela	5.00
008	Carlos Clyde U. Chan	Upi, Gamu, Isabela	5.00
009	Carlito M. Uy	Lenzon, Gamu, Isabela	5.00
010	Reynaldo G. Atuan, Jr.	San Rafael East, Sta. Maria, Isabela	4.00
011	Mary Jane M. Samus	Mozzizzin Norte, Sta. Maria, Isabela	5.00
012	San Jose Calamagui Gravel and Sand Inc. C/O Isaac Hilario G. Pagautan, II	Calamagui East, Sta. Maria, Isabela	5.00
013	Lapogan Multi-Purpose Coop. C/O Marieta B. Bayucan	Lapogan, Tumauni, Isabela	4.97
014	Benito B. Duldulao, Jr.	Annanuman, San Pablo, Isabela	5.00
015	May Joy M. Balisi	Baculud, City of Ilagan, Isabela	5.00
016	Jessie T. Bangloy	Nemmatan, San Agustin, Isabela	3.80
017	Accelerated Metal Technology and Construction Inc. C/O Engr. Antonio M. Tumolva	Guibang and District II, Gamu, Isabela	4.98
018	Gelacio S. Carlos, Jr.	Rang-ay, Cabatuan, Isabela	5.00
019	Carlofel M. Fontiveros	San Placido, Roxas, Isabela	5.00
020	Christopher P. Uy	Annafunan, Tumauni, Isabela	2.00

021	Jonathan P. Uy	Sisim Abajo, Tumauni, Isabela	4.99
022	Mars B. Mansibang	Cabisera 22, City of Ilagan, Isabela	5.00
023	John Lorenz O. Bautista	Carpintero, Tumauni, Isabela	5.00
024	Roger P. Alejandro	Kalabaza and Panecien, Aurora, Isabela	5.00
025	Dolly F. Ariola	Calamagui 1 st , City of Ilagan, Isabela	2.50
026	Sheryl M. Go	Sto. Domingo, Jones, Isabela	4.15
027	Ernesto S. Albano	Dibuluan, Jones, Isabela	1.00
028	Royce Feb V. Lungan	Maluno Norte, Benito Soliven, Isabela	3.00
029	Guardians Philippines Incorporated Jones Chapter C/O Ryaniel B. Reyes	Barangay 02, Jones, Isabela	4.99
030	Engr. Rolando Y. Domingo	San Roque, San Mateo, Isabela	1.17
031	Analyn F. Acosta	Culing Centro, Cabatuan, Isabela	4.91
032	Flow Of Pari-ir Development Coop. c/o Norlando T. Manibog	Saranay, Cabatuan, Isabela	5.00

Out of **Thirty-Two (32)** CSAG Permit Applications, **Thirty (30)** CSAG Permit Applications were deliberated by the Provincial Mining Regulatory Board (PMRB) and indorsed **Twenty-Four (24)** CSAG Permit Applications for the approval of the Honorable Governor Rodolfo T. Albano III.

Table II. List of Commercial Sand and Gravel Permit Applications Indorsed by PMRB for the Approval of the Governor.

Name of Applicants		QUARRY SITE	Area
001	Edwin P. Uy	Banquero, Reina Mercedes, Isabela	5.00
002	Rosalino U. Urandayan, Jr.	San Ignacio, City of Ilagan, Isabela	4.99
003	Engr. Elvin M. Ramos	Casibarag Norte, Cabagan, Isabela	5.00
004	Glenn Moore Angelo E. Caramancion	Disimpit, Jones, Isabela	4.99
005	Rofelin M. Dela Cruz	Sinaoangan Sur, San Agustin, Isabela	5.00
006	Cinderella M. Gatan	Casibarag Sur, Cabagan, Isabela	5.00
007	Carlos Clyde U. Chan	Upi, Gamu, Isabela	5.00
008	Carlito M. Uy	Lenzon, Gamu, Isabela	5.00
009	Reynaldo G. Atuan, Jr.	San Rafael East, Sta. Maria, Isabela	4.00
010	San Jose Calamagui Gravel and Sand Inc. C/O Isaac Hilario G. Paguitan, II	Calamagui East, Sta. Maria, Isabela	5.00

011	Lapogan Multi-Purpose Coop. C/O Marieta B. Bayucan	Lapogan, Tumauni, Isabela	4.97
012	Benito B. Duldulao, Jr.	Annanuman, San Pablo, Isabela	5.00
013	May Joy M. Balisi	Baculud, City of Ilagan, Isabela	5.00
014	Jessie T. Bangloy	Nemmatan, San Agustin, Isabela	3.80
015	Accelerated Metal Technology and Construction Inc. C/O Engr. Antonio M. Tumolva	Guibang and District II, Gamu, Isabela	4.98
016	Gelacio S. Carlos, Jr.	Rang-ay, Cabatuan, Isabela	5.00
017	Carlofel M. Fontiveros	San Placido, Roxas, Isabela	5.00
018	Christopher P. Uy	Annafunan, Tumauni, Isabela	2.00
019	Jonathan P. Uy	Sisim Abajo, Tumauni, Isabela	4.99
020	Mars B. Mansibang	Cabisera 22, City of Ilagan, Isabela	5.00
021	John Lorenz O. Bautista	Carpintero, Tumauni, Isabela	5.00
022	Dolly F. Ariola	Calamagui 1 st , City of Ilagan, Isabela	2.50
023	Guardians Philippines Incorporated Jones Chapter C/O Ryniel B. Reyes	Barangay 02, Jones, Isabela	4.99
024	Engr. Rolando Y. Domingo	San Roque, San Mateo, Isabela	1.17

Accreditation of Haulers/Dealers/Traders and Retailers - This year, a total of **363 haulers/dealers/traders and retailers in trading mineral products and by-products were accredited with corresponding fees collected by the PTO amounting to Nine Hundred Fourteen Thousand Seven Hundred Sixty (Php914,760.00) pesos and One Hundred Eighty-Eight Thousand Three Hundred (Php189,600.00) pesos for Accreditation Stickers.**

Table III. List of Accredited Haulers/Dealers/Traders and Retailers for CY 2022

No.	NAME	ADDRESS	No. of Units
01	Ines S. Cabaccan	San Isidro, City of Ilagan, Isabela	8
02	Joan Hardware and Hallow Blocks	Usol, Jones, Isabela	1
03	Lucky 21 Civil Engineering Construction	Batal, Santiago City, Isabela	17
04	Jun U. Balloran	Minuri, Jones, Isabela	2
05	Rodriguez, Gravel, and Sand	Ugac, Sur Tuguegarao, Cagayan	4
06	Elvin- Kevin Construction and Engineering Services	Centro, Cabagan Isabela	10
07	Antonio B. Gangan	Alinguigan 2 nd City of Ilagan Isabela	3
08	Rosalino U. Urandayan Gravel and Sand	San Ignacio, City of Ilagan, Isabela	4
09	June B. Gangan	Osmeña, City of Ilagan, Isabela	1
10	Antonio A. Yu, Jr.	San Isidro, City of Ilagan, Isabela	3
11	Jann Norris Construction and	Makati, Bambang, Nueva	5

	Supplies by Noly M. Okamoto	Vizcaya	
12	Triple 222 Realty and Development by Vladdymer M. Lucas	Calao West, Santiago City Isabela	7
13	Baguina Hallow Blocks by Ferdito A. Baguina	Lullutan City of Ilagan, Isabela	3
14	Furao Sand and Gravel Trading by Edwin P. Uy	Banquero, Reina Mercedes, Isabela	10
15	Almazan Heavy Equipment by Roe I A. Almazan	Manano, Mallig, Isabela	11
16	A. De Guia Construction and Development Corporation by Armando M. De Guia	Magsaysay, Alicia, Isabela	40
17	Haniel Buying station and Agricultural Supply by Edward Francis Labiano	Antonino, Alicia, Isabela	4
18	Romeo C. Gomez	Marana 3 rd City of Ilagan	6
19	A.F. Manuel Construction, Inc. by Aurera F. Manuel	Barangay, 2, San Mateo, Isabela	8
20	Vin Jeff	Libertad, Echague, Isabela	13
21	Golden Tech Construction Corp. by Armando S. Tan	Raniag, Ramon, Isabela	19
22	Danysons Construction and Development Corp. by Dan A. Dulig	District I, Cauayan City, Isabela	35
23	Abalos Aggregates Trading by Jocelyn S. Abalos	Bantug, Ramon, Isabela	1
24	Larry A. Castillo	Rizaluna, Cordon, Isabela	1
25	Daniel P. Balaccua	Annafunan, Tumauni, Isabela	1
26	Noel R. Lacar	Lalog I, Luna , Isabela	2
27	Fernando L. Mangabat	Centro 2, Luna, Isabela	10
28	FDS Gravel and Sand by Federico D. Samus	Bangad, Sta. Maria Isabela	7
29	RGA Gravel and Sand by Reynaldo G. Atuan	San Rafael East, Sta. Maria, Isabela	11
30	EC Construction and Supply by Egbert M. Cabauatan	Casibarag Sur, Cabagan, Isabela	6
31	RBU Hardware and Construction Supply by Sheila Anne B. Uy	Cubag, Cabagan, Isabela	5
32	San Jose Calamagui Gravel and Sand, Inc. by Rolando B. Gatan	Calamagui North, Sta. Maria, Isabela	7
33	Three A'S Hardware by Marnelle A. Gannaban	Ugad, Cabagan, Isabela	8
34	Stephen Lim Gravel and Sand by Mr. Stephen Lim	Ugad, Cabagan, Isabela	13
35	CMG Gravel and Sand by Ms. Cinderella R. Gatan	Casibarag Sur, Cabagan, Isabela	6
36	FJ Albano Hardware and Gravel and Sand by Mr. Juan Albano	Ugad, Cabagan, Isabela	5
37	Angelito S. Yu, Sr.	San Isidro, City of Ilagan, Isabela	5
38	VB Manubay Construction by Ms. Veronica B. Manubay	Rizal, Santiago City, Isabela	8

39	John M. Sao	Minuri, Jones, Isabela	3
40	Francis Mart R. Apolinario	Minuri, Jones, Isabela	5
41	J Adriano's Buying Station by Mr. Eduardo P. Adriano	Virgoneza San Agustin, Isabela	6
42	Divina L. Pabiona	Pasa, City of Ilagan, Isabela	1
43	Edison M. Pascual	Fugu, Jones, Isabela	3
44	RJ Ancheta Concrete Products and Enterprise by Mr. Rolito J. Ancheta	Mangandingay, Cabarroguis, Quirino	7
45	Ed Jr. Hardware and Construction Supplies by Eduard G. Isaguirre, Jr.	Villa Conception, Cauayan City Isabela	1
46	LC Talon Construction by Mr. Leonardo C. Talon	Sampaloc, Cabatuan, Isabela	10
47	MGC Civil Engineering Construction by Ms. Melba G. Castillo	Brgy. 4, San Mateo, Isabela	12
48	Mr. Jerry M. Pagulayan	Brgy. Cabisera 2, City of Ilagan, Isabela	4
49	Mr. Oscar Balbin	Lapogan, Tumauni, Isabela	6
50	Algo Grains by Allan John Uy Gomez	Diamantina, Ramon, Isabela	12
51	AHB Construction and Supply	Capirpiriwan, Cordon, Isabela	3
52	Advance Foundation by Mr. Pepito Valdez	Minanga, Tumauni, Isabela	2
53	Rene Rose Boulders by Mr. Renato Santiago	San Isidro, City of Ilagan, Isabela	3
54	Accelerated Metal Technology and Construction, Inc. by Engr. Antonio M. Tumolva	Guibang, Gamu, Isabela	16
55	Edwin Hardware by Mr. Edwin Abalos	Bugallon Proper, Ramon, Isabela	2
56	GD Diaz Gravel And Sand	Lapogan, Tumauni, Isabela	1
57	RJG Hardware by. Mr. Raffy John O. Gomez	Marana 3 rd , City of Ilagan, Isabela	2
58	Kristopher Gravel and Sand by Mr. Kristopher E. Maltu	Brgy. Cabisera 8, City of Ilagan, Isabela	2
59	Jei Jei Hardware by Mr. Jerson Sapongay	Fuyo, City of Ilagan, Isabela	1
60	Fragerr Construction Supplies by Mr. Allan C. Malayao	Poblacion, San Pablo, Isabela	8
61	JCUBE8 sand and Gravel Trading by Justito S. Jimenez, Jr.	Lanna, Tumauni, Isabela	4
62	JB Enterprises by Mr. Jerald Raymond Mari M. Bigornia	Brgy, Mansibang, Naguillian, Isabela	15
63	RC Balayan Machine Shop and Gene Ral Merchandise by Mr. Ramon C. Balayan	Calamagui 1 st , City of ilagan, Isabela	1
64	Tollmack Sand Gravel Co. by Mr. Joseph Marc S. Dy	San Fermin, Cauayan City, Isabela	6
65	Infinitum 888 Construction and Development Corporation by Ms. Rema C. Tuliao	Brgy. Centro 2, Angadanan, Isabela	20

66	Extreme Builders by Ms. Lynie O. Panganiban	Centro West, Santiago City, Isabela	2
67	Nenita Uy Hardware by Mrs. Nenita Uy	San Mateo, Tumauni, Isabela	16
68	Mr. Danilo S. Lotino	Usol, Jones, Isabela	3
69	Saveworks Hardware Gravel and Sand and Gen. Merchandise by Mr. Joselito S. Bautista	San Mateo, Tumauni, Isabela	8
70	Ijh Gravel and Sand by Mr. James P. Pua	San Mateo, Tumauni, Isabela	6
71	Mr. Jonathan P. Uy	Lingaling, Tumauni, Isabela	5
72	Mr. Reynante A. Garcia	Rang-ayan, City of Ilagan, Isabela	1
73	D.A Cadeliña Contruccion by ENGR. Evelyn D. Cadeliña	Daramuagan Sur, San Mateo, Isabela	23
74	Lorecris Gravel and Sand by Loreto C. Maluyo, Jr.	Rizal, Roxas, Isabela	2
75	Jeffrey P. Crispin	Sindon Maride, City of Ilagan, Isabela	1
76	Jesla Mini Hardware by Jehamel V. Soriano	San Juan, City of Ilagan, Isabela	1
77	Molina Hollowblocks Sand and Gravel by Mr. Roldan R. Molina	Ballesteros, Aurora, Isabela	10
78	Royce Feb V. Lungan	District 2, Benito Soliven, Isabela	6
79	ACP Construction and Development by Mr. Allan C. Panganiban	Gucab, Echague, Isabela	5
80	Dalcon Construction by Mr. Dhemie Leo S. Candaya	Brgy. Villa Hermosa Sur, Maddela Quirino	10
81	Mr. Jeffrey Jones L. Cabbab	Brgy. Zone 2, San Mariano, Isabela	3
82	Severino S. Tamayo, Jr.	Alibagu, City of ilagan, Isabela	1
83	Gelo's Gravel and Sand Concrete Manufacturer by. Mr. Dennis Andres	Cabulay, Santiago City, Isabela	1
84	Mr. Gilbert Reyes	Magsaysay District, Naguilian, Isabela	3
85	Mr. Nelson V. Donato	Muños West, Roxas, Isabela	1
86	Gaba Concrete Hollow block By Mr. Jomar P. Gaba	Centro San Antonio, City of Ilagan, Isabela	2
87	JKR Medina Gravel and Sand by Johnny Warren C. Medina	Brgy. Concepcion, Luna, Isabela	7
88	Mr. Ronald C. Cabacungan	Brgy. Old Centro Proper, San Mateo, Isabela	1
89	Kernel General Merchandise by Mrs. Rowena M. Dela Peña	Brgy. Rizal, Alicia, Isabela	3
90	Precious AJ Marketing By Mr. Albert S. Galiza	Culalabat, Cauayan City, Isabela	6
91	RHH Construction & Reality Development, INC. by Mrs. Rosita D. Chua	Brgy. Villasis, Santiago City, Isabela	10
92	Jeanne C. Pineda	Brgy. Calao East, Santiago City, Isabela	6

93	R An Construction & Construction Supply by Mr. Romel N. An	Brgy. Buenavista, Santiago City, Isabela	5
94	Mrs. Rachele P. Acoba	Brgy. Silauan Sur, Echague, Isabela	8
95	WBS Contruction & Construction Supply by Mr. Winder B. Sibaen	Batal, Santaigo City, Isabela	7
96	Juanito F. Oloan	Upi, Gamu, Isabela	2
97	Mr. Gaudencio Reyes, Jr.	Magsaysay, Naguilian, Isabela	7
98	Adriosula Hardware & Construction Supply by Florencio L. Adriosula	Centro 1, Mallig, , Isabela	7
99	Isabela Royal Builders By: Stefanie Angeline P. Que	San Fermin, Cayauan City, , Isabela	8
100	Tile Master and Construction Supply by Elizabeth Undag	Batal, Santiago City, , Isabela	2
101	Federico Adriano Villena	Villa Imelda, City of Ilagan, , Isabela	4
102	Holy Trinity Forestry Multi-Purpose Cooperative by Richard M. Agcaoili	Rang- ayan, City of Ilagan, , Isabela	1
103	Wilson M. Ibana	Sto. Domingo, Jones, , Isabela	1
104	Joenard S. Galla	Napaliong, Jones, , Isabela	2
105	Arjay N. Baccal	Sto. Domingo, Jones, , Isabela	1
106	Lianna Sand & Gravel Supply by Lily Ann M. Obra	Raniag, Ramon, , Isabela	8
107	OKC General Merchandise by Vicente P. Ongkiatco	Mabini, Santiago City, , Isabela	1
108	D & C Construction Supplies & Entrprises by Danny S. De Leon	Bugallon Proper, Ramon, , Isabela	12
109	JHAD's Hardware Trading by Jhonas Degay Palitayan	Digumased, Dinapigue, , Isabela	1
110	Cuaresma Hollow Blocks Manufacturing by Jun Jun A. Cuaresma	Cabisera 10, City of Ilagan, , Isabela	5
111	Dragon Twelve Builders Construction Supplies by Jonathan L. Diaz	Sta. Victoria, City of Ilagan, , Isabela	20
112	Mamaril Gravel and Sand Trading by Lovelyn D. Mamaril	Fortune, Aurora, , Isabela	19
113	RJC Castro Hardware by Joan W. Castro	Nuesa, Roxas, , Isabela	11
114	AVD Hardware by Aldrich Joseph U. Gomez	San Antonio, Delfin Albano, , Isabela	8
115	Ricardo G. Artizuela	Lapogan, Tumauni, , Isabela	4
116	Allied S3 Hardware & Construction Supply by Bernard T. Bunagan	Calamagui 1 st , City of Ilagan, , Isabela	1
117	Manilyn Mata	Anggasian, City of ilagan, , Isabela	1
118	William P. Uy	Brgy. 1, Jones, , Isabela	2
119	Joselito A. Suyat	Brgy. 1, Jones, , Isabela	1
120	Mardeco Concrete Products by Zenia Sally Paguio	Sinsayon, Santiago City, , Isabela	1
121	Joren's concrete Products Trading	Rizal, SantiagoCity, Isabela	2

	by Anthony F. Caser		
122	JGG Hardware & General Merchandise by Expedito G. Gumiran JR.	Marana 3 rd , City of Ilagan, Isabela	3
123	Julian W. Dacaca	Batal, Santiago City, Isabela	2
124	L & G Farm Services by Grace C. Bird	Liwanag, Tumauni, Isabela	3
125	Riches Jon Construction Supply by Jonathan D. Navalta	Muñoz East, Roxas, Isabela	8
126	Wilson Ganipan	Centro, Cabagan, Isabela	2
127	Engr. Teodoro M. De Jesus	Barangay 1, Jones, Isabela	6
128	Foref Construction Corporation by Ferdinand L. Ambatali	Osmeña, City of Ilagan, Isabela	4
129	Alcantara Hardware by Pepito L. Alcantara	Antonino, Alicia, Isabela	17
130	Jimmy A. Balayan	Calamagui 1 st , City of Ilagan, Isabela	5
131	619 Builders Construction Corporation by Fernando G. Magno	Nueva Era, San Manuel, Isabela	22
132	Henry C. Costales, Jr.	Cristobal St., Poblacion, Ramon Isabela	2
133	CS Mini Hardware by Mr. Cesar Ian M. Santos	San Isidro, City of Ilagan, Isabela	2
134	R & R Hardware by Mr. Reynold M. Uy	Cullalabo, Burgos, Isabela	5
135	CBU Hardware & Construction Supply by Chistopher B. Uy	San Pedro, Tumauni, Isabela	24
136	John Winston D. Uy	Rizal, Roxas, Isabela	10
137	A. Ferrer Gravel and Sand by Mr. Arturo Ferrer	Rosario, Santiago, Isabela	1
138	VICAR Enterprises by Mr. Vida Irenni P. Lara	District I, Cauayan City, Isabela	7
139	Mr. Noel B. Navalta	San Placido, Roxas, Isabela	23
140	Bryan General Merchandise and Hardware by Barney Leonard C. Pua	Magsaysay, Alicia, Isabela	10
141	Shekinah Hardware & Construction Supply by Ms. Susan U. Manango	Masaya Centro, San Agustin, Isabela	2
142	Dragon Hatched Construction by Mr. Dean Anthony Arzaga	Sta. Victoria, City of Ilagan, Isabela	24
143	EA Concrete Products Manufacturing by Ms. Maricar L. Asuncion	Morado, City of Ilagan, Isabela	1
144	Rohan General Merchandise by Ms. Noralyn P. Caraang	Victoria, Alicia, Isabela	3
145	Mr. Glenn Moore Angelo E. Caramancion	Diarao, Jones, Isabela	20
146	Mr. Henry Allan R. Macarilay	Disimpit, Jones, Isabela	6
147	Ms. Israel P. Uy	Barangay 1, Jones, Isabela	2

148	JVP Hardware & General Merchandise by Mr. Jester C. Pua	Magsaysay, Alicia, Isabela	5
149	Ms. Candelaria D. So	Plaridel, Santiago City, Isabela	1
150	NTL Builders & Developers by Mr. Noel T. Lim	Maddela, Quirino	8
151	Mr. Rofelin M. Dela Cruz	Virgoneza, San Agustin, Isabela	8
152	CMN Enterprises c/o by Clarence T. Barut	Coluguan, Sto. Tomas, Isabela	5
153	Jackson's Buying Station & Grain Dealer by Jackson C. Uy	Calamagui 2 nd City of Ilagan, Isabela	1
154	Bernardo A. Pua	Bella Luz, San Mateo, Isabela	4
155	Bartolome Mini Hardware by Juanita L. Bartolome	Marana 1 st , City of Ilagan, Isabela	1
156	Mr. Orlando Balisi	Baculud, City of Ilagan, Isabela	2
157	Harbor master by Ms. Jennette G. Buraga	Alinguigan 2 nd , City of Ilagan, Isabela	6
158	Foremost Founder Enterprises by Mr. Dominador S. Dasig, Jr.	District 1, Cauayan City, Isabela	5
159	Maam Hardware & Construction Supply by Mr. Abelardo A. Astrero	Magsaysay, Naguilian, Isabela	2
160	Robert P. Guzman Construction by Mr. Robert P. Guzman	Centro 4, Tuguegarao City, Cagayan	8
161	Mr. Alfred Philip T. Vinarao	Centro, Cabagan, Isabela	3
162	Balajadia's Electrical Products And Hardware by Isayas Balajadia	Roma Norte, Enrile, Cagayan	2
163	RJ's Hardware & General Merchandise by Mr. Reymond G. Ignacio	Roma Norte, Enrile, Cagayan	1
164	Ms. Chatie T. Miro	Centro, Cabagan, isabela	6
165	Ms. Emily S. Santos	Guinatan, City of Ilagan, Isabela	3
166	Danny's Hardware by Mr. Danilo C. Baculi	Nuesa, Roxas, Isabela	2
167	CR Domingo Construction & Power Development Inc. by Rolando y. Domingo	District 3, San Mateo, Isabela	16
168	San Lazaro Construction by Mr. Dan Carlo Maquinad	District 3, Gamu, Isabela	1
169	Mr. Avelino A. Quitola	Cabisera 10, City of Ilagan, Isabela	1
170	Rock Sand Stone Master Builders c/o by MR. Rogelio P. Azarcon	Saranay, Cabatuan, Isabela	14
171	Dionisio Bolar	San Antonio, City of Ilagan, Isabela	2
172	EAF Builders and Sand Trading by Irene F. Andres	Batal, Santiago City, Isabela	11
173	Louie A. Mangalos	Antonino, Alicia, Isabela	5
174	Jacqueline Hardware by Jacqueline R. Carlos	Marasat Pequeno, San Mateo, Isabela	10
175	RSKM Construction Services by Richard Stephenson L. Almiron	Camaal, Quirino, Isabela	4
176	Imred Asia Construction & Supply by Dominic T. Almoradie	Magsaysay, Cordon, Isabela	2
177	Riczer A. Jacinto	San Juan, Aurora, Isabela	2

178	Efren S. Santiago	San Isidro, City of Ilagan, Isabela	3
179	William N. Esteban	Batal, Santiago City, Isabela	4
180	Go Eight Corporation by Cristina Almalvez	Zone 1, San Mariano, Isabela	18
181	YZK Maria Loida Construction by Maria Loida Cruz	Minanga, San Mariano, Isabela	7
182	Debora Mae C. Pedro	Minanga, San Mariano, Isabela	4
183	GCPK Construction by Engr. Gian Layugan	Zone 1, San Mariano, Isabela	6
184	Mar-deb Construction and Development Corporation by Mario P. Dela Fuente	Magdalena, Cabatuan, Isabela	22
185	Tumamao Hardware and Constructiobn Supply by Reynaldo O. Tumamao	Nagbukel, San Isidro, Isabela	7
186	Reynaldo C. Edrada	Cabisera 2, City of Ilagan, Isabela	3
187	RRC Construction by Reynilo R. Chua	Rang-ayan, Roxas, Isabela	14
188	Paul Ritchie B. Padilla	Sinsayon, Santiago City, Isabela	1
189	Bits Hardware & Construction Supply by Steve Daniel Venancio E. Tio III	Diamantina, Cabatuan, Isabela	37
190	Michael A. Tesoro	Rizal, Santiago City, Isabela	8
191	Estrelita A. Publico	Barangay 2, Jones, Isabela	3
192	Robert P. Uy	Masaya Sur, San Agustin, Isabela	3
193	Haydie A. Sanchez	Centro, San Guillermo, Isabela	4
194	Regg's Builders by Regenito M. Lopez	Quezon, San Isidro, Isabela	6
195	EGB Construction by Engr. Erni G. Baggao	Alibagu, City of Ilagan, Isabela	50
196	Thomas S. Bautista	Rizal, Santiago City, Isabela	2
197	Pelagio I. Perico	Calaocan, Santiago City, Isabela	1
198	GNM Concrete Products by Generoso N. Manuel	Buenavista, Santiago City, Isabela	9
199	R & R Hardiblocks Construction Supplies by Rinalyn M. Gonzales	Zamora, Cabarroguis, Quirino	3
200	Robert S. Lim	Bugallon Proper, Ramon, Isabela	1
201	Lucky AA Concrete Product and Mini Lumber by Jovencio N. Manuel	Baluarte, Santiago City, , Isabela	4
202	Laurence B. Mariano	Barangay 1, Jones, Isabela	1
203	Reydel General Merchandises by Retnaldo B. Delmendo	Magsaysay, Alicia, Isabela	6
204	CC Construction Supplies And Hardware by Amando S. Vallejo, Jr.	Quezon, Cordon, Isabela	1
205	Arevalo Construction by Jason C. Arevalo	Castillo, Echague, Isabela	2
206	Jhervinjan Brothers Trading Inc. by Jeveny M. Flotildes	Aurora, Alicia, Isabela	4
207	BB General Merchandises by Jun	Raniag, Burgos, Isabela	8

	P. Bulos		
208	Victor Saladino	San Fabian, Echague, Isabela	1
209	Rising Dragon Enterprise by Juan Nicole Uy Co	Calamagui 2 nd , City of Ilagan, Isabela	2
210	Ramos Merchandises by Jenny A. Ramos	Liwanag, Tumauni, Isabela	2
211	JST Construction by Jose S. Tan	Plaridel, Santiago City, Isabela	15
212	Quirino Primes Lumber and Hardware and General Merchandises by Conchita G. Uy	Gundaway, Cabarroguis, Quirino	3
213	Gepilano Hardware & Agriculture Supply by Luoie B. Gepilano	Bonifacio, Diffun, Quirino	3
214	Blessed Prince Construction by Robert E. Conde	Ambatali, Ramon, Isabela	5
215	Fiscaro's Hardware an Trading by Veronica Fiscaro	Barangay 3, San Mateo, Isabela	3
216	SMT Construction by Samuel M. Toribio	Bliss Village, City of Ilagan, Isabela	8
217	Rey Luther C. Itchon	Calao East, Santiago City, Isabela	5
218	Alchiqui Enterprises by Chiqui Hernandez	Alinguigan 2 nd , City of Ilagan, Isabela	3
219	Mabuhay Concrete Products by Belly M. Ramos	Plaridel, Santiago City, Isabela	4
220	Vicente B. Pata	Rosario, Santiago City, Isabela	2
221	Handymanny Contrsuction Solution by Vladdymer M. Lucas	Centro East, Santiago City, Isabela	7
222	ITP Properties Corporation by Isidro T. Pajarillaga	Bliss Village, City of Ilagan, Isabela	7
223	Marvin A. Reosa	San Isidro, City of Ilagan, Isabela	4
224	R.C. Domingo Construction and General Merchandise by Roder V. Domingo	Baligatan, City of Ilagan, Isabela	2
225	Tristan Howell Transport by Tristan Howell T. Uy	Dadap,Luna, Isabela	6
226	E.S Pua Construction by Eddie S. Pua	Bliss Village, City of Ilagan, Isabela	7
227	JIT Builders by Jacqueline I. Tayaban	Dabibi, Cabarroguis, Quirino	2
228	Alkenjee Construction Supply by Jessie T. Bangloy	Nemmatan, San Agustin, Isabela	3
229	Leila T. Yokoyama	Payac, Jones, Isabela	3
230	Great Wall Commercial by Gloria U. Singson	Andres Bonifacio, Diffun, Quirino	1
231	Luzviminda A. Gatan	Lullutan, City of Ilagan, Isabela	1
232	Top Art Gravel and Sand by Dominador L. Garay	San Andres, Santiago City, Isabela	6
233	Northern Eastern Construction by Manuel Castaneda	Lullutan, City of Ilagan, Isabela	12
234	Reginaldo T. Ancheta	Bangag, City of Ilagan, Isabela	1
235	J.B Hauling Services by Jason S. Bernabe	Sta. Rita, Aurora, Isabela	10
236	AJN Hardware by Alvin Jay A. Nipahoy	Bonifacio, Diffun, Quirino	8

237	MGC Construction Supply by Angelica C. Asuncion	Ezperanza East, Aurora, Isabela	1
238	Cawelan Hardware by Darlina B. Olalan	Divisoria, Santiago City, Isabela	5
239	Jimmy Z. Cabrera	Divisoria, Enrile, Cagayan	1
240	Juris Construction & Builders by Roldan E. Ubando	Gundaway, Cabarroguis, Quirino	5
241	AC & C Builders and Enterprises by Alvin D. Uy	Napaccu Pequeno, Reina Mercedes, Isabela	11
242	Danilo A. Maramag	Calamagui 1 st , City of Ilagan, Isabela	1
243	Severino A. Cadiente, Jr.	Masaya Norte, San Agustin, Isabela	2
244	Malgapo Enterprises by Adrian M. Ibay	Roxas, Cordon, Isabela	4
245	Camberwell Construction and Supplies by Grace M. Rodriguez	Magsaysay, Naguilian, Isabela	7
246	RB Construction Services by Roel G. Closa	Maria Clara, Diffun, Quirino	1
247	C.A. Enterprises by Randy D. Abello	Malvar, Santiago City, Isabela	4
248	Saber Aggregates and Hollow Blocks by Felix Angel Pascua	Batal, Santiago City, Isabela	2
249	K.C General Merchandise by Salvador C. Cabaero	Centro 2, San Guillermo, Isabela	1
250	JVC Construction & Construction Supply by Jimmy Vic A. Elarde	Masaya Norte, San Agustin, Isabela	5
251	Julius V. Guray	Masaya Grande, San Mateo, Isabela	2
252	NTL Builders & Developers by Antonio Carabbacan	Dipintin, Maddela, Quirino	2
253	Alex H. Clemente	Malvar, Santiago City, Isabela	1
254	Ronalyn M. Telan	Minanga, San Mariano, Isabela	2
255	Nestor Bayeng	Minanga, San Mariano, Isabela	1
256	Tri-Blocks Enterprises by Precy D. Tan	Calao East, Santiago City, Isabela	10
257	Lorilei S. Ranjo	Lullutan, City of Ilagan, Isabela	2
258	Talana Sand and Gravel Quarrying by Rose Ann T. Acacio	Lullutan, City of Ilagan, Isabela	1
259	Felix S. Bernabe	Bantug, Roxas, Isabela	3
260	Dela Cruz Construction Materials by Lolita Dela Cruz	Colonguan, Sto. Tomas, Isabela	3
261	Aguido C. Dumalina	Burgos, Ramon, Isabela	2
262	Obladi B. Batang	Rizaluna, Cordon, Isabela	3
263	Wendy Kim Gravel and Sand Hollow Blocks Maker by Ernando R. Lodivino	Mangcuram, City of Ilagan, Isabela	1
264	Siffu Construction Supply by Benedict Calderon	San Placido, Roxas, Isabela	9
265	Fe C. Colobong	Lapaz, Cabatuan, Isabela	4
266	Roldan T. Cagaid	Dodan, Peñablanca, Cagayan	1

267	Natalia D. Ocsan	Salvador, Santiago City, Isabela	10
268	Rodolfo M. Collado	Dipangit, Jones, Isabela	3
269	JMD 68 Builders by Diosdado O. Eleria	Gundaway, Cabarroguis, Quirino	2
270	Johnny S. Cabansag	Sta. Isabel Sur, City of Ilagan, Isabela	1
271	RNL Construction Materials and Steel Works by Ricky Nelson G. Barit	Barangay 2, Jones, Isabela	1
272	Gacutan Construction INC. by Bethilda G. Wisco	Minante 1, Cauayan City, Isabela	5
273	John A. Sumang	Usol, Jones, Isabela	5
274	Danga's Hardware by Henry B. Danga	Barangay 1, Jones, Isabela	4
275	JC Palomo Construction & Construction Supply by Jesus C. Palomo	Rizal, Santiago City, Isabela	7
276	MF Manuel Construction by Mario F. Manuel	Paddad, Alicia, Isabela	2
277	Mr. Romeo P. Cabairo	Tangcul, City of Ilagan, Isabela	1
278	RSKC Construction by Mr. Raymond T. Cababa	Centro, Sto. Tomas, Isabela	6
279	Providers Multi- Purpose Cooperative by Mr. Jheffrey Ramiro	Magsaysasy, Naguilian, Isabela	6
280	Corner Stone Hardware by Mr. John Philip Hope Angobumg	Barangay 3, Tumauni, Isabela	9
281	Chu San Construction & Supply by Mr. Honorio S. Chua III	Minante 1, Cauayan City, Isabela	6
282	VDV Sand & Gravel Quarrying by Mr. Mars B. Mansibang	Cabisera 22, City of Ilagan, Isabela	1
283	Gelogica Enterprises by Mr. Nelson P. Chu	Poblacion 1, Jones, Isabela	3
284	Vilmarie Salvador	Cabisera 7, City of Ilagan, Isabela	1
285	Joseph John C. Figarola	San Antonio, City of Ilagan, Isabela	4
286	Jose B. Bangug, Jr.	Lapogan, Tumauni, Isabela	1
287	Jose T. Julian	Napaliong, Jones, Isabela	1
288	Ilagan Roof Center	Baligatan, City of Ilagan, Isabela	1
289	Celso T. Alvarez	Napaliong, Jones, Isabela	3
290	Edith Miguel	Dibuluan, Jones, Isabela	1
291	Chester Reyes	Usol, Jones, Isabela	3
292	Bataraza Hardware by Wesley P. Sales	Centro, Luna, Isabela	1
293	Elias R. Pambid	Baligatan, City of Ilagan, Isabela	2
294	Edison Bulusan	Minuri, Jones, Isabela	1
295	Felix Lauriano	Minuri, Jones, Isabela	2
296	Dionicio Valdez	Minuri, Jones, Isabela	1
297	Allan C. Carabbacan	Minuri, Jones, Isabela	2
298	Ryan Torqueza	Minuri, Jones, Isabela	1
299	Reynold Villanueva	Minuri, Jones, Isabela	1
300	Jhonemart Cascayan	Minuri, Jones, Isabela	3

301	Marina Aureda	Minuri, Jones, Isabela	1
302	Jomar Cascayan	Minuri, Jones, Isabela	1
303	Marlon Aguinaldo	Minuri, Jones, Isabela	1
304	Edmundo Britanico	Minuri, Jones, Isabela	2
305	Jaques Vibar	Minuri, Jones, Isabela	1
306	KSC Construction Supply by Ma. Felicitas S. Claraval	Callao, Alicia, Isabela	1
307	Villapas Trading by Mr. Ewald Rimo P. Domingo	Villapas, Naguilian, Isabela	1
308	Myra A. Salas	Lullutan, City of Ilagan	1
309	Denna's Hardware by Geraldine B. Denna	Centro, San Antonio, City of Ilagan, Isabela	1
310	Helen and Lino Gravel and Sand by Jeneveve D. Ramos	Capellan, City of Ilagan	2
311	Rogelio G. Aquino	Pasa, City of Ilagan	1
312	Samuel Reglos	Caliguian, Burgos, Isabela	3
313	VB Manubay Construction by Ms. Veronica Manubay	Rizal, Santiago City, Isabela	8
314	Joana Mae A. Madrid	Alingigan 2 nd , City of Ilagan, Isabela	1
315	Monphil General Merchandise and Construction C/O Mr. Reymundo G. Junio	Upi, Gamu, Isabela	3
316	Eduardo S. Pacleb	Manaring, City of Ilagan, Isabela	2
317	J and J Construction Supplies Trading by Mr. Jimerson A. Nipahoy	Aurora East, Diffun, Quirino	1
318	Bartolome Saccuan, Jr.	Manaring East, City of Ilagan, Isabela	1
319	Benito B. Martin	San Antonio, City of Ilagan, Isabela	1
320	Roger T. Carpiso	Marasat Grande, San Mateo, Isabela	1
321	FJR Construction and Supplies C/O Francisco Cristobal, Jr.	San Patricio, Delfin Albano, Isabela	4
322	Felix C. Miguel	Dibuluan, Jones, Isabela	4
323	Norman P. Pecaat	Villa Emelda, City of Ilagan, Isabela	1
324	Joseph F. Losloso	Rosario, Santiago City, Isabela	4
325	Magg Trading C/O Mark Anthony C. Carabbacan	Taggapan, Echague, Isabela	3
326	Saulo S. Aggabao II	District II, Benito Soliven, Isabela	3
327	Joseph Christian G. Uy	Kalabaza, Aurora, Isabela	3
328	Manaligod Construction Supply by Antonio C. Manaligod	Osmeña, City of Ilagan, Isabela	1
329	Jun G. Flores	Payac, Jones, Isabela	4
330	Franklin A. Bangloy	St. Domingo, Isabela	4
331	Asian Arcopolis Builders by Ralph R. Abella	Calao West, Santiago City, Isabela	2
332	Gerald D. Gannod	Burgos, Alicia, Isabela	2
333	Arnel G. Casil	Dumawing, Jones, Isabela	3
334	Sandy A. Castro	Dumawing, Jones, Isabela	3

335	Francis Owen R. Pasion	Minuri, Jones, Isabela	5
336	Joshua Balloran	Minuri, Jones, Isabela	2
337	JLG Construction By Joel L. Garcia	Garita, Cabagan, Isabela	5
338	Mark Kevin Blando	Minanga, San Pablo, Isabela	3
339	Michael D. Azul	Aggassian, City Of Ilagan, Isabela	1
340	Limestone Construction and Development Corporation by Lloyd Anthony S. Lim	Centro East, Santiago City, Isabela	2
341	J8 Gravel and Sand by Judee C. Mateo	Victoria, San Mateo, Isabela	2
342	Western General Construction and Supplies by William Dadural	Rizal, Santiago City, Isabela	7
343	Rodel Cascayan	Napaliong, Jones, Isabela	3
344	A & J Designs and Construction by Jovani Q. Flores	San Isidro, Diffun, Isabela	1
345	Holy Spirit Mission Multi-Purpose Cooperative by Abel Yapyapan	Bagnos, Alicia, Isabela	5
346	Christian Ian Construction Corporation By Angelito Trinidad	Brgy. 02 Soledad, Sta Rosa, Nueva Ecija	7
347	Saturnino E. Efree	Tagaran, Cauayan City, Isabela	4
348	Gil B. Eniva	Minuri, Jones, Isabela	1
349	Ulisys E. Salvador	San Antonio, Cab. 7, City of Ilagan, Isabela	1
350	Darwin B. Anolin	Dicamay 1, Jones, Isabela	3
351	Barcon Construction and Supplies by Geoffrey T. Barrientos	Greenheights Subdivision, Alibagu, City of Ilagan, Isabela	1
352	Malgapo Enterprises by Adrian M. Ibay	Purok 1, Roxas, Cordon, Isabela	2
353	Marizon T. Mendoza	Napaliong, Jones, Isabela	2
354	Jimrex R. Andres	Dabubu grande, San agustin, Isabela	4
355	Eduardo D. Dela Cruz	Sta. Maria, Alicia, Isabela	2
356	FFJJ Construction and Supply by Osmeña Palanggalan	San Juan, Quezon, Isabela	31
357	GAPTV Construction and Supply by Geejay Tuazon	Centro, Cabagan, Isabela	3
358	Franklin Q. Peralta	District III, San Manuel, Isabela	4
359	Edfrobon Construction Services, Inc. by Eduardo M. Frogoso	Cembo, Makati City	10
360	Leticia T. Sebastian	Barangay 1, Jones, Isabela	2
361	Jonathan C. Cabrera	San Fermin, Cauayan City, Isabela	2
362	TN Ramos Construction and Development by Maiah Angela Ramos	Cagayan St., Bago Bantay, Quezon City	10
363	ACO Enterprises by Allan Erwin P. Co	San Antonio, Delfin Albano, Isabela	1

B. Monitoring of Extraction Activities

Strict implementation and enforcement of Provincial Ordinance No. 05, series of 2014 were regularly conducted by this Office thru monitoring of all quarry areas in the province. Thirty-Eight (38) ISEP-TF Operative members were dispatched to conduct daily field monitoring, inspection, and verification of sand and gravel extraction activities in the different quarry sites province-wide. Monitoring reports together with the delivery receipts were submitted regularly in the office.

For this Year 2022, **590,214.00 cu. m.** quarry resources were extracted representing 9,921.50 cu.m. Ordinary Earth, 461,542.50 Mixed, 18,195.00 G1/S1 and 100,555.00 Boulders with corresponding value of **P22,800,932.50** representing P297,645.00 Ordinary Earth, P16,153,987.50 Mixed, P818,775.00 G1/S1 and P5,530,525.00 Boulders.

Table IV. Volume of Extracted Sand and Gravel based on submitted monitoring reports.

Month	Type				Total cu. m.	Total Quarry Tax & Fees Due
	Earth	Mixed	G1/S1	Boulders		
January	2,150.00	45,989.00	772.00	6,653.00	55,924.00	2,085,570.00
February	781.00	48,664.50	608.00	5,479.00	55,532.50	2,055,392.50
March	730.00	65,662.00	1,302.00	8,585.00	76,279.00	2,850,835.00
April	3,790.00	29,632.00	696.00	9,490.00	43,608.00	1,704,090.00
May	429.00	38,214.00	794.00	11,496.00	50,933.00	2,018,370.00
June	-	46,297.00	750.00	13,054.00	60,101.00	2,372,115.00
July	420.00	37,091.00	629.00	11,314.00	49,454.00	1,961,360.00
August	-	33,940.00	625.00	7,122.00	41,687.00	1,607,735.00
September	156.00	37,190.00	2,525.00	10,185.00	50,056.00	1,980,130.00
October	766.00	22,594.00	4,314.00	5,985.00	33,659.00	1,337,075.00
November	339.50	25,820.00	2,948.00	6,675.00	35,782.50	1,413,670.00
December	-	30,449.00	2,232.00	4,517.00	37,198.00	1,414,590.00
Total	9,921.50	461,542.20	18,195.00	100,555.00	590,214.00	
Total Amount	297,645.00	16,153,987.50	818,775.00	5,530,525.00		Php22,800,932.50





Monitoring of sand and gravel extraction activities within quarry areas

C. Field Verification and Inspection

As part of the Office mandates, field verification and evaluation of applied quarry areas were conducted to inspect current condition of the quarry sites and identify possible interventions to be undertaken in the conduct of extraction activities without adversely affecting the environment. This year, the office conducted site inspection of **36 applied areas**. The findings and results of the activities are summarized in the table below:

TABLE V. Summary of field verification and evaluation results of permit applicants for renewal

Renewal Applicants		Quarry Site	Area (has)	Findings / Results
001	Edwin P. Uy	Banquero, Reina Mercedes	5.00	The quarry site is rich in sand and gravel deposits with existing quarry operations
002	Rosalino U. Urandayan, Jr.	San Ignacio, City of Ilagan	4.99	
003	Engr. Elvin M. Ramos	Casibarag Norte, Cabagan	5.00	Rich in mineral deposits with an approximate volume of 50,000 cubic meter
004	Glenn Moore Angelo E. Caramancion	Disimpit, Jones	4.99	The quarry site is rich with sand, gravel, and boulders
005	Rofelin M. Dela Cruz	Sinaoangan Sur, San Agustin	5.00	
006	Cinderella M. Gatan	Casibarag Sur, Cabagan	5.00	Rich in mineral deposits with an approximate volume of 50,000 cubic meter
007	Carlos Clyde U. Chan	Upi, Gamu	5.00	
008	Carlito M. Uy	Lenzon, Gamu	5.00	
009	Reynaldo G. Atuan, Jr.	San Rafael East, Sta. Maria	4.00	The quarry site is rich in sand and gravel deposits with no existing quarry operations/ Extractions
010	San Jose Calamagui Gravel and Sand Inc. C/O Isaac Hilario G. Pagautan, II	Calamagui East, Sta. Maria	5.00	Rich in mineral deposits with an approximate volume of 50,000 cubic meter
011	Lapogan Multi-Purpose Coop. C/O Marieta B. Bayucan	Lapogan, Tumauni	4.97	The quarry site is rich in sand and gravel deposits with existing quarry operations

012	Benito B. Duldulao, Jr.	Annanuman, San Pablo	5.00	The quarry site is rich in sand, gravel, and boulders
013	May Joy M. Balisi	Baculud, City of Ilagan	5.00	The quarry site is rich in sand and gravel deposits with existing quarry operations
014	Jessie T. Bangloy	Nemmatan, San Agustin	3.80	The quarry site is rich in sand, gravel, and boulders
015	Accelerated Metal Technology and Construction Inc. C/O Engr. Antonio M. Tumolva	Guibang and District II, Gamu	4.98	Rich in mineral deposits with an approximate volume of 50,000 cubic meter
016	Gelacio S. Carlos, Jr.	Rang-ay, Cabatuan	5.00	The quarry site is rich in sand, gravel, and boulders
017	Carlofel M. Fontiveros	San Placido, Roxas	5.00	
018	Christopher P. Uy	Annafunan, Tumauni	2.00	Rich in mineral deposits with an approximate volume of 20,000 cubic meter
019	Jonathan P. Uy	Sisim Abajo, Tumauni	4.99	The quarry site is rich in sand, gravel, and boulders
020	Mars B. Mansibang	Cabisera 22, City of Ilagan	5.00	
021	John Lorenz O. Bautista	Carpintero, Tumauni	5.00	The quarry site is rich in sand and gravel deposits
022	Dolly F. Ariola	Calamagui 1 st , City of Ilagan	2.50	
023	Guardians Philippines Incorporated Jones Chapter C/O Ryaniel B. Reyes	Barangay 02, Jones	4.99	The quarry site is rich in sand, gravel, and boulders
024	Engr. Rolando Y. Domingo	San Roque, San Mateo	1.17	The quarry site is abundant with sand, gravel, and boulders
025	Flow of Pari-ir Dev't. Coop. C/O Norlando T. Manibog	Saranay, Cabatuan	5.00	The quarry site is abundant with sand, gravel, and boulders
026	Analyn F. Acosta	Culing Centro, Cabatuan	4.91	

TABLE VI. Summary of field verifications and evaluations of quarry areas of New Applicants

New Applicants		Quarry Site	Area (has)	Findings / Results
001	Maryjane M. Samus	Mozozin Norte, Sta. Maria	5.00	Rich in mineral deposits with an approximate volume of 50,000 cubic meter
002	Justito S. Jimenez, Jr.	Fugu Abajo, Tumauni	5.00	The quarry site is rich in sand and gravel deposits
003	Roger P. Alejandro	Kalabaza & Panecien, Aurora	5.00	The quarry site is abundant with sand, gravel, and boulders
004	Royce Feb V. Lungan	Maluno Norte, Benito Soliven	3.00	
005	Ernesto S. Albano	Dibuluan, Jones	1.00	
006	Sheryl M. Go	Sto. Domingo, Jones	4.15	

D. Investigation/Settlement of Quarry and Mining-Related Complaints

A complaint from Mr. Freddie Nagum of Jones, Isabela was received last February, 2022 via 8888 Citizens Complaint Hotline. A team from this office was dispatched to investigate and verify the complaint letter. It was confirmed that there was an ongoing extraction of sand and gravel being operated by M.A. Tesoro Construction owned by Arch. Michael A. Tesoro of Santiago City, Isabela. As a result of the investigation, the illegal activity was immediately stopped and a member of the Isabela Environment Protection- Task Force (ISEP-TF) was instructed to monitor the area to avoid occurrence of same activity.



Photos were taken during the investigation at Barangay Pangal Sur, Echague, Isabela

In June, 2022, personnel from this office together with personnel from MENRO- Cordon and Barangay Officials led by Barangay Captain Betty A. Ngipol conducted field verification/ inspection on the alleged operation of Golden Summit Mining Corporation at Barangay Anonang, Cordon, Isabela. Based on the inspection findings, there were no actual nor traces of operation observed in the area. According to Hon. Betty A. Ngipol, Golden Summit Mining Corporation has not conducted any mining operations prior to June, 2022. And

lastly, the processing plant and equipment were currently under renovation and repair.



Conduct of investigation at Barangay Anonang, Cordon, Isabela

II. Updates On the Minahang Bayan

This office hosted the technical scoping/review meeting relative to the application of the Provincial Government of Isabela for an Environmental Compliance Certificate (ECC) of the proposed Minahang Bayan located at Sitio Dimakawal, Bucal Norte and Bucal Sur, Dinapigue, Isabela.

The meeting was facilitated by Environment Management Bureau-Region 02 (EMB R02) led by RD Nelson P. Honrado. It was attended by members of the Review Committee, PENRO Frederico P. Cauilan Jr., of DENR-CENRO Palanan and MENRO Florante Rivera of LGU Dinapigue. The technical scoping/review was done as part of the Environmental Impact Assessment (EIA) process prior to project establishment to ensure identification of possible environmental impacts of the project and be able to incorporate appropriate mitigating measures.



Technical Scoping/Review Meeting held at Balai, Capitol Compound, Alibagu, City of Ilaagan, Isabela on February 4, 2022

In support to the ECC application of the Provincial Government of Isabela for the Minahang Bayan Project, this office together with EMB R02 Office, conducted site visit to the applied Minahang Bayan area. Together with the representatives from MLGU Dinapigue and DENR-CENRO sub-office, the team discussed details on the current biophysical conditions of the area and how the implementation of the project will be conducted.



Conduct site visit at the proposed Minahang Bayan

Public scoping was also conducted at Barangay Digumased Community Center, Dinapigue, Isabela which was attended by seventy-five (75) participants, composed of the Municipal and Barangay Officials led by Hon. Reynaldo D. Derije, CSO, Academe and Indigenous Peoples representatives. The Minahang Bayan Project and the EIA processes were presented, and followed by an open forum. Various issues and concerns as well as suggestions raised by the stakeholders were addressed and noted.



Public Scoping at Baranagy Digumased Community Center, Dinapigue, Isabela

The first and second reviews of the Environmental Impact Statement (EIS) of the Minahang Bayan for the ECC Application were also conducted at the Environment Management Bureau- Region 02 (EMB-R02) Conference Hall and attended by the Review Committee members and personnel of EMB-R02.



1st review of the Environmental Impact Statement (EIS) of the Minahang Bayan Project at Dinapigue, Isabela



2nd review of the Environmental Impact Statement (EIS) of the Minahang Bayan Project at Dinapigue, Isabela

Geological and Geohazard Assessment of the Proposed Minahang Bayan was conducted in August, 2022 by the Mines and Geosciences Bureau- Region 02 (MGB-R02) personnel as one of the requirements in the processing and issuance of the Environmental Compliance Certificate (ECC). The activity involved detailed geological mapping, geohazard mapping, and structural delineations. The mineral deposits of Dimakawal Prospect was sampled to characterize its occurrence, deposit-type, and ore minerals present.



Geological and Geohazard Assessment of the Proposed Minahang Bayan

III. Provincial Mining Regulatory Board (PMRB)- Isabela

The Provincial Mining Regulatory Board (PMRB) - Isabela conducted its virtual meeting on April 12, 2022 at 10 am via Zoom platform and discussed the following agenda:

- Deliberation of the Commercial Sand and Gravel (CSAG) applicants in the province; and
- Updates on the status of PGI application for the Declaration of Minahang Bayan project in the Province.

Out of the **30 permit applications deliberated**, the Board endorsed **24** applications thru PMRB Resolution No. 2022-01 for approval of the Provincial Governor.

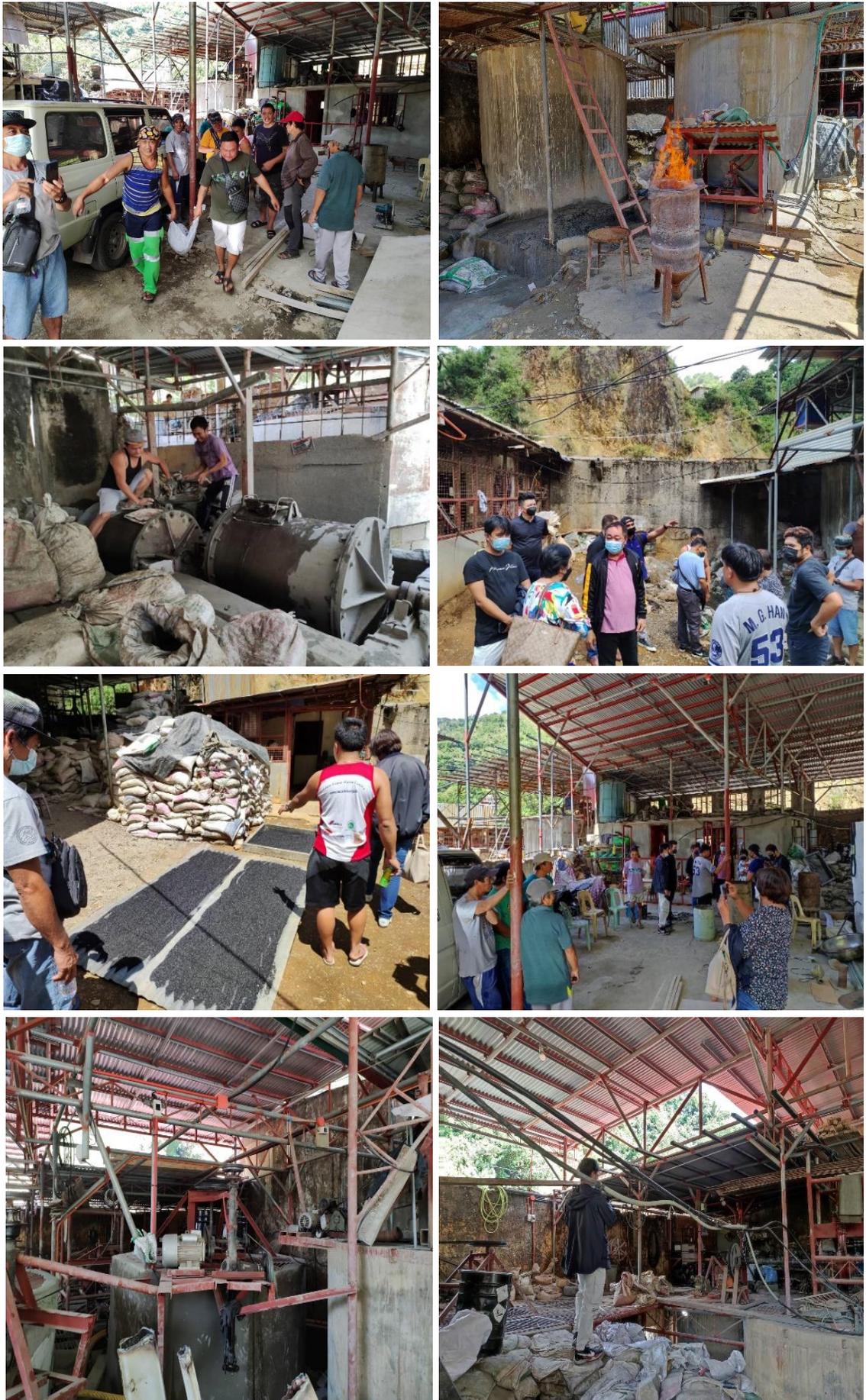
IV. Other Activities

1. Benchmarking Activity in the Established Minahang Bayan within the Cordillera Administrative Region (CAR)

Personnel from this office together with personnel from Mines and Geosciences Bureau- Cordillera Administrative Region (MGB-CAR) led by Regional Director Fay W. Apil visited the processing facility of the Minahang Bayan Project at Camp 6, Tuba, Benguet operated by Benguet Golden Hills Small Scale Mining Association. The activity was done to familiarize and gather inputs on the process, best practices, and actual operation of the Minahang Bayan that can be used in the implementation of the province's Minahang Bayan Project at Dinapigue, Isabela. Each of the processes involved in the extraction of silver and gold mineral rocks as well as the equipment and materials used in the process were explained. According to Benguet Golden Hills Small Scale Mining Association, the average extraction from rocks collected at the Minahang Bayan is around 100 grams/operation.



Photo-op with RD Fay W. Apil during the courtesy call and coordination to the Regional Director of Mines and Geosciences Bureau – CAR.



Benchmarking Activity at the Cordillera Administrative Region (CAR)



**ILAGAN-DIVILACAN
ROAD REHABILITATION
&
IMPROVEMENT PROJECT
(IDRRIP)**

**ACTIVITIES UNDERTAKEN IN SUPPORT OF
ILAGAN-DIVILACAN ROAD REHABILITATION & IMPROVEMENT PROJECT (IDRRIP)**

I. Monitoring and Documentation of IDRRIP Reforestation Areas

Technical personnel from this office conducted regular ocular visit and field evaluation of the IDRRIP reforestation areas. Activities included documentation and monitoring of plantation survival. As per monitoring activities survival rate of the planted seedlings remain high as maintenance activities were conducted by the contractor.





II. Implementation of the Reforestation Areas

Continuing implementation of the Ilagan-Divilacan Road Rehabilitation Project component was being undertaken by the winning contractor – the RNSFMPC. As of 2022, plantation establishment and 1st year maintenance activities were done as observed by the Inspectorate Team. The table below shows the accomplishment per reforestation project area as observed during inspection activities, to wit:

Table XII. Accomplishment per reforestation project area

No.	Reforestation Project	Location	Observations/Remarks
1.	100-hectare Coconut Plantation Project	Forest Areas @ Villa Imelda, City of Ilagan	Plantation Establishment and 1 st Year Maintenance activities implemented. Dwarf coconut seedlings were planted in the area and based on the actual vegetation present during visit maintenance activities were conducted by the contractor such as ring weeding and brushing. Also,

			coconut seedlings in replacement for mortality were already available; maintained present in their temporary nursery.
2.	340-hectare Reforestation Project	Forest Areas @ Villa Imelda, City of Ilagan	<p>Plantation Establishment and partial maintenance activities implemented.</p> <p>Various seedlings such as Yakal, Ipil and other native species were planted in the area based on the development plan. Maintenance activities particularly ring-weeding and brushing were visibly observed during inspection. There were also fertilizers and seedlings stockpiled in their nursery to be used for maintenance activities.</p>
3.	460-hectare Agro-Reforestation Project	Forest Areas @ Villa Imelda, City of Ilagan	<p>Plantation Establishment and partial maintenance activities conducted.</p> <p>Various seedlings such as Mango, Narra, Rubber tree and others were planted in the area; as observed during inspection visit, maintenance activities were conducted by the contractor particularly ring-weeding and brushing. There were also fertilizers and seedling stockpiled in their nursery to be used for maintenance activities</p>
4.	50-hectare IDR Roadside Reforestation Project	Ilagan-Divilacan Roadside, Sindun Bayabo, City of Ilagan	<p>Plantation Establishment and 1st Year Maintenance activities implemented.</p> <p>Various seedlings such as Narra, Ipil and others were observed to be planted along roadside of Ilagan-Divilacan Road as we traversed the road. Maintenance activities such as brushing and cultivation were also conducted as observed in the current vegetation of the area during visit.</p>
5.	250-hectare RTA-1 Million Tree in 1 Day Reforestation Project	Disipun (km. 14), Lagis (km. 17), Trailer (km.21), Sindun Bayabo, City of Ilagan	<p>Plantation Establishment and 1st Year Maintenance activities implemented.</p> <p>Various seedlings of indigenous tree species were planted in the three areas as observed. During inspection, there were also individuals/laborers seen conducting maintenance activities such as brushing, ring weeding and cultivation. Fertilizers and seedlings were also present in the areas used for maintenance activities.</p>

Accordingly, maintenance activities of the reforestation projects were continuously conducted and majority of which were done during summer season like fertilizer application, ring weeding, watering and cultivation. Moreover, the four watchtowers were already established at the reforestation areas, specifically at Villa Imelda, Lagis and Trailer, for monitoring and protection of the areas.

Based on observation of the work accomplished by the contractor, the implementation of the IDR reforestation project went smoothly as per approved comprehensive development plans.



Coconut Plantation



Coconut Plantation



Villa Imelda Agro-Reforestation



Villa Imelda Agro-Reforestation



Villa Imelda Reforestation



Villa Imelda Reforestation



Disipun Reforestation



Disipun Reforestation



Trailer Reforestation



Lagis Reforestation



Roadside Reforestation



Roadside Reforestation



Roadside Reforestation



Lagis Reforestation



Trailer Reforestation





**INTERVENING and
OTHER RELATED ACTIVITIES**

OTHER RELATED ACTIVITIES

I. *Pre-Establishment Activities of Oyster and Green Mussel Project 2022*

Oysters and mussels are considered as one of man’s most nearly balanced natural food. It is a cheap source of protein and contains substantial quantities of all minerals and vitamins essential to the human diet. Aside from its edible portion, the shells of oysters are also used as raw materials for poultry and cattle feeds, fertilizers, pharmaceuticals and concrete products. Moreover, these can be recycled as clutches for collecting seeds. Other minor by-products include novelty items and ornaments.

In the Province of Isabela however, oyster or mussel farming is non-existent and culture farming is rarely practice in the coastal municipalities. This can be attributed to the geographical location of the coastal municipalities which limits the market access of farm products to the mainland and to the lack of technical assistances on potential culture farming of oysters and mussels. However, given fishing as one of the main livelihood in these areas, culture farming of oyster and mussels will greatly benefit the fisherfolks and residents having sustainable culture farming in addition to the existing seasonal fishing. Hence, the Provincial Government of Isabela decided to establish an oyster and green mussel culture farms in the coastal municipalities of Divilacan and Palanan. The project aims to provide livelihood to the fisherfolks of the coastal municipalities, promote shellfish farming by introducing culture farming techniques, and promote and sustain production of quality and safe shellfish products for Isabelinos.

For 2022, the province was able to obtain clearance for the project from the Protected Area Management Board of NSMNP after two PAMB meetings where the project was presented and critiqued. On May 02 – 06, 2022, the joint-team from ENR Office, Provincial Agriculture Office and DA-BFAR Region 02 in coordination with Municipal Local Government Unit of Divilacan conducted site validation and water analysis of the proposed areas for the project located within coastal waters of Brgys. Dimasalansan and Bicobian. The

results of the activities found out that the proposed sites are feasible for oyster and green mussel culture. The team also conducted IEC activities during the visit and discussed the project to barangay constituents and collected their feedbacks. Materials needed for the project such as drums, nylon, ropes and anchor were also delivered at Divilacan, Isabela. Moreover, bamboo poles which are also needed were already collected and ready for construction of rafts. The team then scheduled to conduct orientation and hands-on training for the establishment of rafts on the month of November but due to weather conditions and time constraints it was decided that the activity will be conducted during summer season of 2023.



Site validation and IEC activities for Oyster and Green Mussel Project



II. Accomplishment Report on the 2022 Implementation of Risk Resiliency Program-Climate Change Adaptation/Mitigation thru Cash for Work (RRP-CCAM CFW)

Risk Resiliency Program through Cash-For-Work (RRP-CFW) is a program of the Department of Social Welfare and Development in partnership with Local Government Units in the country. The program is a convergence of the CCAM-DRR Cabinet Cluster wherein DSWD is a member. The program goals are: 1. to have climate and disaster resilient communities supporting equitable and sustainable development; and 2. to uphold adaptive social protection. The program is being implemented as early as 2018, however, only in 2022 when the DSWD shifted its coordination from City/Municipal Local Government Units to Provincial Local Government Units. As one of the identified priority areas in the road map created by the Cabinet Cluster, the Province of Isabela along with its City and Municipal Local Government Units are partners of the DSWD in the implementation of these projects in line with food security interventions, activities that generate livelihood opportunities, environmental conservation and rehabilitation, support to plans and policies formulation, support to small-scale construction or repair of community infrastructures such as schools and health stations and support to farmers, fisherfolks and their families.

For 2022 RRP-CCAM CFW the Province of Isabela was allocated with 13,181 beneficiaries that were distributed to its cities/municipalities. The approved projects for the year is on environmental conservation and rehabilitation and food security interventions. Each beneficiary shall be compensated Php.370.00/day (previous minimum wage rate) for 10 days of work.

Highlights of implementation:

- Series of planning workshops were conducted during the 1st quarter of the year to finalize the Action Plans and Masterlists of each city/municipality.
- Orientation of the project beneficiaries were conducted for each city/municipality prior to the implementation of projects.
- Some of the LGUs started the implementation as early as June 2022 while the majority of LGUs implemented the project on the month of August-October. All LGUs were able to implement the project.
- The 13,181 project beneficiaries were all given cash compensation by the DSWD for their work accomplished amounting to Php. 48,769,700.00.
- The Provincial Government of Isabela thru ENR Office distributed seedlings to target municipalities as part of its counterpart to the program amounting to Php. 3,700,000.00. On the other hand, other LGUs were able to produced seedling materials for the program.
- Post Monitoring were also conducted by DSWD and ENRO personnel in some cities/municipalities to assess the output of the program and the current status of the planted seedlings.
- Planning workshops were also organized by the province together with MSWD Officers and MENR Officers of the 37 cities/municipalities on September 29 and October 04, 2022 at Amphitheatre, Provincial Capitol, Alibagu, City of Ilagan, Isabela to collect inputs from the participants of their 2023 and 2024 Action Plans that were included in the final 2023 and 2024 Project Proposal to be submitted to DSWD Regional Office No. 02.

Table XIII. Projects implemented for each LGUs

No.	City/ Municipality	Project	Date of Implementation	Accomplishment	Remarks	No. of beneficiaries allocated
1	ALICIA	Tree Planting and Maintenance	September 15-26, 2022	1,500 assorted seedlings mostly bamboos planted and maintained in two identified sites; tree guards were also installed in each seedlings planted		250
2	ANGADANAN	Site preparation activities; Tree planting; and Maintenance and protection activities	September 06,-15, 2022	15,000 bamboo propagules planted and maintained in different barangays		250
3	AURORA	Tree Planting and Installation of Tree guards	September 06,-15, 2022	1,250 Mahogany and Narra seedlings planted and maintained in different barangays; 1,250 tree guards installed		250
4	BENITO SOLIVEN	Tree planting; Installation of tree guards; and Maintenance on the seedlings planted	September 2022	15,000 seedlings planted and maintained 15,000 tree guards installed		350
5	BURGOS	Tree planting and maintenance	October 03-14, 2022	5,000 Mahogany seedlings were planted and maintained		250
6	CABAGAN	Preparation of Tree Nursery Sites; Propagation of Seedlings; and Tree Planting Activities in Identified areas	July to August 2022	40,000 tree seedlings were propagated and 1,000 seedlings were planted and maintained in the identified site		400
7	CABATUAN	Establishment of Communal Garden	November 11, 2022	Established communal garden every barangay and planted 200 vegetable seedlings per variety (okra, kalabas, sitaw and pechay) for food consumption of constituents		290
8	CAUAYAN CITY	Bamboo planting and maintenance	September 2022	3,100 assorted seedlings to include bamboo propagules	PGI counterpart -	350

		and Communal Gardening		were planted and maintained, 3,000 tree guards installed; established 14 communal gardens planted with vegetable seedlings	1,000 Bamboo propagules (Riparian Project of PGI in partnership with LGU)	
9	CORDON	Agro-forestry and Carbon sink Plantation	September 07, 2022	7,400 assorted forest and fruit-tree seedlings planted and maintained	PGI counterpart - 4,400 assorted forest and fruit-tree seedlings (Agroforestry/Carbon Sink Project of PGI in partnership with LGU)	400
10	DELFIN ALBANO	Watershed Rehab. Project	August 01-30, 2022	4,000 assorted seedlings to include bamboo propagules were planted and maintained in the identified watershed rehab area	PGI counterpart - 600 Kalumpit, 800 Molave, 800 Ipil, 1,000 Bignai seedlings and 800 Bamboo propagules (Watershed Rehab. Project of PGI in partnership with LGU)	530
11	DINAPIGUE	Bamboo Planting and segregation/sorting of waste in SLF	July 08-21, 2022	3,750 bamboo propagules and 243 forest tree seedlings planted and maintained and 3 tons of wastes were segregated and sorted in the Sanitary Landfill		250
12	DIVILACAN	Mangrove and Beach Forest Rehab.	August 2022	67,060 seedlings planted (Forest trees, Beach Forest and	PGI counterpart -	550

		Project; Cleaning of drainage canal		Mangrove Seedlings); Cleared drainage canal from debris	16,800 Bakauan propagul es, 7,200 Rattan propagul es, 10,200 Botong Seedlings , 4,080 Talisay Seedlings and 4,080 Agoho Seedlings (Mangro ve and Beach Forest Rehab. Project of PGI in partners hip with LGU)	
13	ECHAGUE	Agro- forestry, Urban greening, Bamboo Planting and Maintenance of seedlings and Restoration of Communal Gardens	September, 2022	2,700 assorted seedlings to include bamboo propagules were planted and maintained; tree guards installed; also planted vegetable seeds in the restored communal gardens	PGI counterp arted - 300 Narra, 300 Molave, 300 Dao, 200 Rambuta n, 200 Bignai, 200 Mangga, 200 Langka seedlings and 1,000 bamboo propagul es (Agrofor estry/Car bon Sink and Riparian Project of PGI in partners hip with LGU)	500
14	GAMU	Tree Planting and	September 2022	350 seedlings planted and maintained; 100		350

		maintenance and Propagation of seedlings		seedlings propagated per beneficiaries		
15	CITY ILAGAN	Tree Planting and maintenance	September 21-October 28, 2022	5,991 assorted seedlings planted and maintained within five identified sites		350
16	JONES	Watershed Rehabilitation thru Reforestation and Assisted Natural Regeneration	August 31 to September 19, 2022	9,000 seedlings (Giant Bamboo, Bayog, Balitbitan, Mahogany, Rain Tree, Molave, Kamagong, Sablot, Narra and others) were planted and maintained within four identified sites		450
17	LUNA	Construction of Tree guards, Bamboo Planting and Installation of Tree guards, Maintenance of Communal Garden and Dredging of Canal	September 05-16, 2022	1,450 mahogany and bamboo propagules were planted and maintained 1,450 tree guards installed 4,000 assorted vegetables seedlings were planted in the communal gardens; cleared canals within the municipality		250
18	MACONACON	Tree and Mangrove Planting and Maintenance	August 01-12, 2022	1,000 Narra and fruit-tree seedlings and 5,000 mangrove propagules planted and maintained within seven identified sites		250
19	MALLIG	Declogging of line canals and vegetation of road shoulder; Food security intervention (communal gardening and agricultural production); and Hole digging, weeding and Tree Planting	August 15-25, 2022	19,000 forest and fruit-tree seedlings planted and maintained in different barangays; planted vegetables at the four established communal garden; declogged canals within Mallig		250
20	NAGUILIAN	Tree Planting and maintenance	September 05-16, 2022	3,000 narra seedlings and bamboo propagules planted and maintained 3,000 tree guards installed		300
21	PALANAN	Beach Forest and Mangrove	September 2022	41,640 beach forest seedlings and mangrove propagules	PGI counterpart -	550

		Rehabilitation		planted and maintained	4,200 Bakauan propagules, 1,800 Rattan propagules, 19,800 Botong Seedlings, 7,920 Talisay Seedlings and 7,920 Agoho Seedlings (Mangrove and Beach Forest Rehab. Project of PGI in partnership with LGU)	
22	QUEZON	Watershed Rehabilitation Project	July18-29, 2022	4,448 seedlings planted and 5,500 seedlings maintained	PGI counterpart- 500 Bignai, 500 Bamboo, 600 Kalumpit, 1,800 Molave and 1,000 Ipil seedlings (Watershed rehab. Project of PGI in partnership with LGU)	550
23	QUIRINO	Tree Planting, Maintenance of Communal Garden and Nursery Management	August 05-18, 2022	19,000 assorted seedlings propagated, planted and maintained within Eco-Forest Park		350
24	RAMON	Bamboo planting and maintenance	August 15-24, 2022	3,000 bamboo seedlings planted and maintained within six barangays		300
25	REINA MERCEDES	Riparian Project and	August 10-30, 2022	4,500 seedlings mostly bamboo	PGI counterpart	350

		establishment of communal and backyard garden		propagules/barangay planted 20 communal garden established	anted - 4,000 Bamboo propagules (Riparian Project of PGI in coordination with LGU)	
26	ROXAS	Propagated bamboo propagules; Bamboo planting and maintenance	August 10 - October 04, 2022	6,500 bamboo propagules were propagated in the nursery and 561 bamboo propagules were planted and maintained		350
27	SAN AGUSTIN	Tree planting and maintenance	September 10, 2022	6,400 assorted seedlings to include bamboos were planted and maintained within four identified sites	PGI counterpart - 1,000 Bamboo propagules (Riparian Project of PGI in partnership with LGU)	350
28	SAN GUILLERMO	Tree Planting; Installation of tree guards; and Maintenance on the seedlings planted	August 09-19, 2022	2,600 mahogany seedlings and 200 bamboos planted and maintained in different barangays of San Guillermo; planted vegetables in established communal garden		350
29	SAN ISIDRO	Planting of vegetables and fruit tree seedlings for the improvement of Agro-Eco Park and Improvement and Maintenance of Communal Gardens	September 29- October 09, 2022	Different vegetable and fruit seedlings were planted; Communal Gardens for each barangays maintained and improved		300
30	SAN MANUEL	Tree Planting, Declogging of canals and segregation/sorting of waste in SLF	September 26- October 06, 2022	400 seedlings were planted in four identified sites; declogged canals which are flood prone; segregated/sorted biodegradable wastes and non-bio wastes		250

31	SAN MARIANO	Tree Planting and Maintenance	September 01-30, 2022	10,000 seedlings planted and maintained in the identified sites		428
32	SAN MATEO	Tree Planting and Maintenance	September 05, 2022	1,205 assorted seedlings to include bamboo propagules were planted and maintained	PGI counterpart - 1,000 Bamboo propagules (Riparian Project of PGI in partnership with LGU)	300
33	SAN PABLO	Tree Planting and Communal Gardening		5,000 seedlings planted and maintained and 50-100 vegetables planted per Communal Garden		400
34	SANTA MARIA	Agroforestry/ Carbon Sink Project and Bamboo Planting	September 06- November 09, 2022	10,000 assorted seedlings planted and maintained	PGI Counterparted- 100 Ipil, 100 Narra, 50 Tamarind, 50 Santol, 250 Bignai, 50 Langkanad 100 Palm (Agroforestry/Carbon Sink Project of PGI in partnership with LGU)	400
35	SANTIAGO CITY	Tree Planting and Maintenance and Establishment of Nursery	October 17- November 03, 2022	200 bamboo seedlings were planted and maintained within creeks; 1,000 bamboo propagated propagated for each nursery; 5 nursery maintained		250
36	SANTO TOMAS	Tree Planting and Communal Gardening	September 2022	2,000 seedlings planted and maintained; 19 communal garden established	PGI counterpart - 1,000 Bamboo propagules	400

					(Riparian Project of PGI in partnership with LGU)	
37	TUMAUINI	Urban greening, Agroforestry and Riparian Project	September-October 2022	10,000 seedlings planted and maintained	PGI counterpart - 1,000 Bamboo propagules (Riparian Project of PGI in partnership with LGU)	483
T O T A L						13,181

In conclusion, the implementation of the RRP-CCAM CFW was completed and successful despite some hurdles in coordination and delays in submission of necessary requirements. Moreover, it is recommended that LGUs should submit Post Monitoring Report of the areas planted to the Provincial Government of Isabela and DSWD. This shall be one of the bases of the province in the allocation of project beneficiaries for year 2023.



Photos below were taken during the Risk Resiliency Program thru Cash-for-Work (RRP-CFW): Project Proposal Preparation Workshop on September 29 and October 04, 2022 at Amphitheatre, Provincial Capitol, Alibagu, City of Ilagan, Isabela



III. Activities undertaken under the Philippines Rural Development Project (PRDP) – Social and Environmental Safeguards (SES)

- Referred and submitted SES compliances of the following sub-projects to wit:
 1. Proposed Pineapple Production and Marketing Enterprise, Brgy. Magleticia, Echague (Approved);
 2. Construction of San Isidro Warehouse with Solar Dryer, Brgy. Gomez, San Isidro (Waiting for update from DA counterparts);
 3. Construction of NMI Agri-Cooperative Warehouse, Brgy. Nungnungan II, Cauayan City (Updating).
 4. MARIIS Burgos SPC Warehouse with Solar Dryer, Caliguin, Burgos (Updating);
 5. Cabagan Warehouse with Solar Dryer, Cansan, Cabagan (Waiting for update of LGU Cabagan);
 6. San Guillermo Warehouse with Solar Dryer, Brgy. Nakar, San Guillermo (Waiting for update from DA counterparts); and
 7. Cauayan Warehouse with Solar Dryer, San Pablo, Cauayan City (Waiting for update from DA counterparts).

- Conducted meeting with Project Affected Persons (PAPs) together with Brgy. Officials and Data Profiling of Farmers Beneficiaries of the PRDP Subproject: San Jose Small Water Impounding Project (SWIP).
- Participated the conduct of Enterprise Assessment: Business Process Review and Action Planning of the IREAP SP Mungbean Production and Marketing Enterprise of San Mateo Multi-Purpose Cooperative.
- Assisted in the conduct of Regional Operations Management Audit of the completed San Jose Small Water Impounding Project of PRDP. On September 6, 2022, the team evaluated the operation, management and maintenance of the said project.
- Assisted in the facilitation of the Citizens Monitoring Training for the Rehabilitation/Improvement of San Juan-Barucboc-estrada-Dummon Farm to Market Road sub-project at Quezon, Isabela.
- Attended the Business Plan Review and Evaluation of the Mungbean Production and Marketing Enterprises of Isabela Grains MPC and DRRM Training for PRDP Proponent Groups.
- Attended Pre-Construction Conference of San Juan-Barucboc-Estrada-Dummon Farm-to-Market Road PRDP subproject. Discussed every component of the project to the barangay officials and other stakeholders of the affected areas.
- Attended the Orientation and Workshop on the Integration of Climate & other risks consideration in the Provincial Commodity Investment Plan held at Villa Saturnina, Sta. Ana, Cagayan on July 27-28, 2022.
- Attended in the Training on DRRM for PRDP assisted cooperatives held at DA-CVRC, San Felipe, City of Ilagan, Isabela on October 24-26, 2022.



Photos taken during the Orientation & Workshop on The Integration of Climate & Other Risks Considerations in the Provincial Commodity Investment Plan held at Villa Saturnina, Sta. Ana, Cagayan from July 26-29, 2022.

IV. Orientation on the Devolved Functions from DENR to LGUs

This Office spearheaded the conduct of “Orientation on the Devolved Functions from DENR to LGUs” for the City/Municipal ENR Officers. The activity aimed to orient LGUs thru their ENROs on the ENR devolved functions, consolidate foreseen issues and challenges to be confronted by the LGUs in the implementation; and establish unified set of measures or strategies to attain the goals of the said functions. Speakers from the DENR Regional and Provincial Office graced the said event.



V. ALE ALE Ceremonial Turn-over Activity

On March 16, 2022, the Philippine Permaculture Association (PPA) after having implemented the higher opportunities on Permaculture Programme with the 3.3 hectares lot owned by the Provincial Government of Isabela (PGI), has formally turned-over its management of the project to the PGI thru the concerned departments that will take full responsibility in sustaining and maintaining the Northern Luzon Permaculture Research Institute/Ale-Ale Eco-Park.

The PGI through the Provincial Information Officer, Atty. Elizabeth C. Binag made possible the conduct of said activity with the presence of the following Department Heads: Mr. Ric Justice E. Angobung of PCLEDO; Mr. Troy Alexander E. Miano of ITO; Dr. Marites E. Frogoso of OPA; Ms. Lucila M. Ambatali of PSWDO; For. Geronimo P. Cabaccan, Jr. of ENRO, and representatives from OPE, Engr. Gregorio L. Aguilar and Engr. Reynaldo C. Dela Cruz.



Ceremonial turn-over of the Isabela Permaculture Development Center management to the Provincial Government and the initial clean-up activities within the vicinities of the Center.

VI. Conduct of Assessment and Evaluation of Certificate of Stewardship Contract (CSC) Holders

Together with representatives from DENR through their CENROs, Municipal and concerned Barangay LGUs, this Office through its technical personnel joined the team in the conduct of CSC performance evaluation and assessment in the following ISF areas, to wit:

Table XIV. CSC performance evaluation and assessment output

Date	Location	Output
February 9-11, 2022	Bayabo, Delfin Albano	7 CSC holders assessed and evaluated
March 23, 2022	San Miguel Ramon	18 CSC holders assessed and evaluated

Results of the evaluation and assessment were prepared by the technical staff of DENR-CENRO concerned and copy furnished this office.



Actual evaluation and assessment of CSC Holders

VII. Energy Audit

The United States Agency for International Development (USAID), through the Energy Secure Philippines (ESP) Activity, is supporting selected local government units by providing technical assistance in complying with Republic Act 11285, otherwise known as the Energy Efficiency and Conservation Act of 2019. Endorsed by the Department of Energy, the Provincial Government of Isabela was selected as one of the pilot LGUs to receive said assistance in conducting an energy audit. After series of meetings and webinars, and preparation of necessary information to be used for the activity, the actual energy audit was scheduled.

On July 4-7, 2022, the ENR Office personnel assisted the Auditors from Trisy Link, USAID-ESP and PLENRO-ESP in the conduct of 4-day Energy Audit. The Audit started with Pre-Energy Audit meeting. The next two days were allotted for the observation and inspection of the offices and facilities of PGI. The last day was Exit Conference attended by the PGI Department Heads headed by the Provincial Administrator Atty. Noel Manuel R. Lopez in which the Auditors presented the result of the conducted energy audit highlighting the PGI's best practices in energy efficiency and conservation. Recommendations were also cited in some areas for improvement.

For the initial assessment, the PGI have passed the energy audit based on the best practices they have observed during the conduct of energy audit and also thru the data that were submitted by the PGI. Results of the audit served as the baseline information of the Provincial Government in preparation of its Provincial Energy Efficiency and Conservation Plan; all in compliance to RA 11285.



Assessment and inspection of the PGI Building and Facilities conducted by the Auditors from Trisy-Link, USAID-ESP and PLENRO-ESP.



Photo taken after the exit conference, where the auditors presented the result of the audit, to include the best practices and observations for improvement.

VIII. Todas Dengue, Todo Na 'To (Ika-Siyam na Kagat)

By virtue of Executive No. 07 Series of 2022, the Environment and Natural Resources Office joined the Province of Isabela in the conduct of "TODAS DENGUE, TODO NA 'TO (IKA-SIYAM NA KAGAT)," and actively participated in the simultaneous and massive clean-up of public and private spaces to eliminate mosquito breeding sites and stop the spread of dengue fever and other mosquito-borne diseases.

ENRO personnel and ISEP-TF Operative members simultaneously conducted clean-up activities within the vicinities of monitoring checkpoints, and in their respective homes on June 25, 2022. Some also held their clean up activity along the Abuan River, City of Ilagan, Isabela.

"TODAS DENGUE, TODO NA 'TO" is an annual activity of the Provincial Government of Isabela.





IX. Brigada Eskwela 2022: Tugon Sa Hamon Ng Ligtas Na Balik-Aral

In support to the Department of Education’s “Brigada Eskwela”, a couple of weeks’ school maintenance and minor to medium repair for the reopening of in-person classes, the Provincial Government of Isabela extended its full support through **Memorandum No. 20, series of 2022** issued by the Provincial Governor, Hon. Rodolfo T. Albano III. On August 6, 2022, the ENRO Personnel led by ENR Officer, For. Geronimo P. Cabaccan, Jr. together with the members of ISEP-TF Operative, GIP beneficiaries and Job Order service providers, actively participated to the multi-sectoral, traditional province-wide conduct of Brigada Eskwela at San Pablo National High School; Ugad Elementary School; Cabagan Science Elementary School; Tangcul-San Isidro Elementary School; Morado Elementary School; Yeban Sur Elementary School; and Echague East Central School.





Yeban Sur Elementary School



Ugad Elementary School

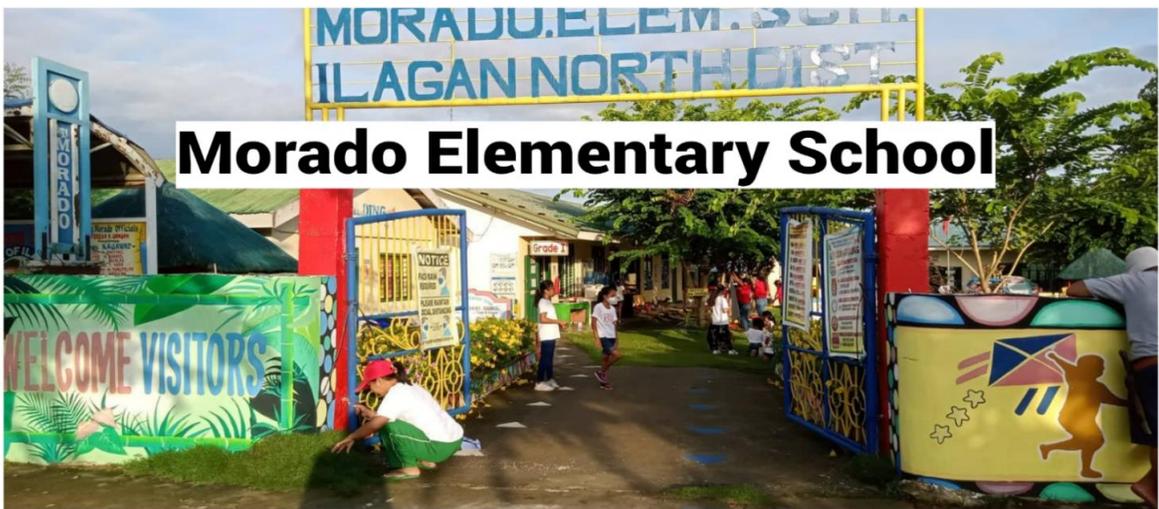




Tangcul-San Isidro Elementary School



Echague East Central School



X. Hosted OJT Students

July 28, 2022 – Dr. Emerson V. Barcellano, Dean of the College of Forestry and Environmental Management (CFEM) at ISU Cabagan Campus accompanied and turned-over to the PGI-ENRO the six BS Forestry senior students for their 4-week On-the-Job Training as part of the BS Forestry course curriculum.





**Reforestation Target Action:
1 Million Bamboos
in a Day
Tree Planting Project**

**REFORESTATION TARGET ACTION (RTA) – THE ONE MILLION IN BAMBOOS,
ONE DAY TREE PLANTING PROJECT**

Acknowledging the various benefits of trees, the RTA – One Million Trees in One Day Tree Planting Project, was launched which aimed to protect, preserve and restore the natural environment, dedicated a day planting at least a million trees, and ensure its growth for the year. On December 20, 2019 the Province of Isabela began the implementation of this legacy project. The people of Isabela from all sectors demonstrated unity and were able to plant a total of 1.2 million seedlings in different parts of Isabela, particularly forest areas, during the simultaneous tree planting day, and maintained these planted trees.

After more than two years, the Province relaunched this project, this time targeting riverbanks for rehabilitation utilizing bamboo propagules as planting materials. The project was named RTA-1 Million Bamboos in 1 Day Tree Planting Project. This aimed at establishing natural protection of communities in low-lying areas along the major river ways in the province, who are vulnerable to flooding. At the same time, bamboos also provide riverbank stabilization and protection from massive soil erosion thereby minimized river siltation.

In preparation for the project, series of stakeholders' meetings were organized and conducted by the Provincial Government involving various stakeholders to include national and local government agencies, institutions, the youth, private companies and organizations. In summary, the following were the results of the meetings, to wit:

- The Provincial Government of Isabela presented the priority areas for planting activity along Cagayan River at the municipalities of Tumauini, Cabagan, San Pablo, Delfin Albano, Sta. Maria and Sto. Tomas and the City of Ilagan to include dredged areas in the municipalities of San Mariano, Gamu, Roxas and Cabagan;
- Government agencies, volunteer organizations and other stakeholders ensured their commitments to the project and pledged to donate bamboo propagules, warm bodies and seedlings or cash;
- The Liga ng mga Barangay (LnB), Sangguniang Kabataan and Provincial Youth Development Office pledged to assist in coordination activities, information dissemination and site preparation activities;
- The PGI thru ENR Office was in-charged in the acceptance and accounting of donation of seedlings/cash coming from various stakeholders;
- The BLGUs, schools (DepEd) and other volunteer organizations were in-charged in the site preparation activities of their respective areas prior to the scheduled planting activity; and
- The various sectors participating in the tree planting activity shall submit post activity report/s to the Provincial Government of Isabela.

Identification of Areas and Site Preparation Activities

The Provincial Government of Isabela thru its Environment and Natural Resources Office in coordination with the DENR-PENRO Isabela identified the areas intended for the project. Concerned personnel conducted field validation and delineation of the areas and coordination activities prior to site preparation activities. Priority areas were along Cagayan river of City of Ilagan, Tumauini, Delfin Albano, Cabagan, Sto. Tomas, Sta. Maria and San Pablo. Dredged areas along creeks of Gamu, Roxas, San Mariano and Cabagan were also found to be feasible as planting areas.

Prior to planting, site preparation activities that include hole-digging, staking, brushing, putting-up of placards, were conducted by ENR and ISEP-TF personnel in coordination with City/Municipal/Barangay Local Government Units in the identified areas.



Seedling Stock and Donation of Seedlings from Various Stakeholders

The Provincial Government of Isabela thru its Environment and Natural Resources Office produced a total of 71,428 bamboo propagules. On the other hand, a total of 177,841 bamboo propagules were added from the donations of various stakeholders, both in-kind and in-cash. Cash donations were used for procurement of bamboo propagules. The donated seedlings were temporarily nursed at the Provincial Nursery and were transported to the planting sites few days before the planting date.

Various agencies, institutions and organizations planted within their own respective sites; number of which was based on their commitment during the stakeholders meetings.

Table XV. Summary list of donated bamboo propagules and seedlings by institutions and organizations delivered at Provincial Nursery

No.	Institutions/Organizations	No. of donated propagules/seedlings	Remarks
1	SDO Cauayan	20,050	Bamboo propagules
2	DENR Isabela	20,000	Bamboo propagules and assorted seedlings
3	DTI Regional Office 2	1,110	Bamboo propagules
4	DTI Isabela Provincial Office	10,000	Bamboo propagules
5	DA-CVRC Isabela	5,000	Assorted seedlings
6	BFP Isabela	3,500	Bamboo propagules
7	PLDT Ilagan	3,000	Bamboo propagules
8	Geodetic Engineers of the Phils.	5,000	Mahogany seedlings
9	ISELCO 2	100	Bamboo propagules
10	Mabuwaya Foundation	300	Bamboo propagules
11	PICPA Isabela	5,000	Bamboo propagules
12	DPWH 2nd DEO	5,000	Bamboo propagules
13	DPWH 3rd DEO	5,025	Bamboo propagules
14	DPWH 4th DEO	5,000	Bamboo propagules
15	Dinapigue Mining Corporation	26,786	Bamboo propagules
16	City LGU Ilagan	10,000	Bamboo propagules
17	Association of Local Budget Officers	5,000	Bamboo propagules
18	Dragon 12 Builders and Construction	6,000	Bamboo propagules
19	EGB Construction	5,000	Bamboo propagules
20	Municipal Treasurers Association	4,000	Bamboo propagules
21	Eure's Plant Nursery	5,000	Bamboo propagules
22	Providers MPC	5,000	Bamboo propagules
23	Isabela Biomass Energy Corp./Cagayan Biomass Energy Corp.	2,500	Bamboo propagules
24	Coca-cola FEMSA Phils.	100	Bamboo propagules
25	LGU San Guillermo	500	Bamboo propagules
26	SMT Construction	2,000	Bamboo propagules
27	Alicia Cooperative Dev't Council	1,670	Bamboo propagules
T O T A L		161,641	

Table XVI. Summary list of cash donations received for procurement of bamboo propagules.

No.	Institutions/Organizations	Amount (PhP)
1	LandBank of the Philippines-Ilagan	100,000.00
2	Development Bank of the Philippines-Ilagan	250,000.00
3	ISELCO 1	50,000.00
4	DPWH 1st DEO	50,000.00

5	Green Future Innovations Inc.	100,000.00
6	Talavera Group of Companies	5,000.00
7	4A's Construction	2,000.00
8	MAR-DEB Construction	7,000.00
9	Institute of Electrical Engineers of the Phils.-Region 02 Chapter	3,000.00
T O T A L		567,000.00

Table XVII. Summary list of planted propagules and other commitments undertaken by other agencies and organizations

No.	Institutions/Organizations	No. of propagules/seedlings	Remarks
1	SDO Isabela	212,385	Planted within schools vicinities in Isabela
2	Liga ng mga Barangay	509,500	Planted within their respective areas
3	Sangguniang Kabataan and Youth Volunteers		Assisted in the site preparation and planting activities
4	PNP-IPPO	10,000	Planted by PNP stations in the province within their own respective areas
5	Mabuwaya Foundation	19,000	Planted assorted indigenous seedlings at their reforestation area.
6	Isabela Bamboo Council	5,000	Planted bamboo propagules at their model areas.
7	NIA-MARIIS	10,000	Planted assorted seedlings within their SWIP watershed
8	Universal Leaf Phils.	10,000	Planted assorted seedlings at their own areas
9	PNOC Exploration Corp.	1,000	To plant assorted seedlings at their own respective areas
10	Isabela State University	11,000	To plant assorted seedlings at their own respective areas
T O T A L		787,885	

Table XVIII. Overall Summary of Seedling Stock used for the RTA-1 Million Bamboos in 1 Day Tree Planting Project

No.	Particulars	No. of propagules/seedlings
1	Provincial Government of Isabela Seedling Stock	71,428
2	Donated seedlings by institutions and organizations to include bamboos procured from cash donations and delivered to Provincial Nursery	177,841
3	Commitment from institutions and organizations planted in their respective areas	787,885
T O T A L		1,037,154

Hauling of seedlings donated by various stakeholders



Tree Great Tree Planting Day

The tree planting activity was conducted on December 20, 2022 simultaneously with all other LGUs province-wide. Participants gathered in front of the Provincial Capitol, and after briefing, all volunteers travelled to their respective planting area assignments along the Cagayan River, from Alinguigan 2nd City of Ilagan, to Sitio Catengtengan, Ballacayu, San Pablo, Isabela.

Table XIX. *Planting area assignment of volunteers covering Cagayan River, from Alinguigan 2nd City of Ilagan, to Sitio Catengtengan, Ballacayu, San Pablo*

No.	Planting Area Location	Barangays	Offices/Institutions/Volunteers
1	City of Ilagan (Cagayan River)	Alinguigan 1st, Alinguigan 2nd, Marana 2nd, Baculod, Capo, Bangag, Manaring, Rugao and San Juan	PLDT Ilagan, SDO Ilagan, DA-CVRC, ISELCO 2, LandBank Ilagan, DBP ilagan, EGB Construction
2	Tumauini (Cagayan River)	Tungui, Fugu Sur, Fugu Norte, Fugu Abajo, Sta. Catalina, Sinippil, Malamag East, Malamag West, Annafunan, Sta. Visitacion, Compania, Carpintero, Arcon, Minanga, Paragu, Pilitan, Balug, Lalauanan, Sto. Nino and Lapogan	PGI Offices outside main building, DTI Isabela, DILG, DPWH, DSWD
3	Delfin Albano (Cagayan River)	Ragan Sur, Ragan Norte, San Jose and San Antonio	ISELCO 1, Providers MPC, IBEC/CBEC, Coca cola FEMSA Phils., Dinapigue Mining Corporation, DENR and NMYL
4	Cabagan (Cagayan River and creeks)	Casibarang Sur, Casibarang Norte, Tallag, Aggub, Sauí, Cansan, Balasig, Magassi, San Juan, Union and Masipi West	PGI Offices within main building, Mabuwaya Foundation, ISU and Dragon 12 Builders and Construction
5	San Pablo (Cagayan River)	Ballacayu, Caralucud, Guminga, Auitan, Minanga Sur, Minanga Norte, Calamagui and Binguang	SDO Cauayan, NIA-MARIIS, PNOG, Institute of Electrical Engineers of the Phils,
6	Sto. Tomas (Cagayan River)	Caniogan, Bagutari, Ammugauan and Bagabag	Phil. Army, MunTAP, ALBO, PICPA Isabela, 4As Construction and MARDEB Construction
7	Sta. Maria (Cagayan River)	Mozozin Norte, Mozozin Sur, San Rafael East, San	Green Futures Innovation Inc., Geodetic Engineers of the Phils.,

		Rafael West, Calamagui East, Bangad, San Isidro East, San Isidro West, Guinagabian, San Antonio, Lingaling, Calamagui West, Calamagui North, Divisoria and Buenavista	Talavera Group of Companies, and BFP
8	Roxas (Patawig Creek)	Dredged Area @ Brgy. San Jose	LGU, SK and Youth Volunteers of Roxas
9	Gamu (Carappigan Creek)	Dredged Area @ Brgys. Mabini and Pintor	LGU, SK and Youth Volunteers of Gamu
10	San Mariano (Ueg Creek)	Dredged Area @ Brgy. Ueg	LGU, SK and Youth Volunteers of San Mariano

Table XX. *Volunteers and other areas*

No.	Institutions/Volunteers	Planting Area
1	City/Municipal LGUs	respective LGU planting sites
2	SDO Isabela	schools and its vicinities within Isabela
3	PNP	has own areas per station
4	Universal Leaf Phils.	has own area
5	Sangguniang Kabataan	respective barangay planting sites
6	Youth Volunteers	respective barangay planting sites
7	ISABAC	has own area
8	NIA-MARIIS	has own area
9	Liga ng mga Barangays	respective barangay planting sites as committed by LnB and in compliance to E.O. No. 43, S. 2019
10	Isabela State University	has own area
11	Mabuwaya Foundation	has own area
12	PNOC Exploration Corp.	has own area
13	Irrigator's Association Federation	has own area
14	Palanan Station Hospital	has own area

Around 250,000 bamboo propagules/seedlings were distributed to different cities and municipalities of the province with priority to the above-mentioned planting areas. The propagules/seedlings were planted by volunteers during the tree planting day. Simultaneously, other institutions and organizations also conducted their own planting activity in their respective areas. These volunteers committed to plant around 787,885 propagules/seedlings.

Conduct of RTA: 1 Million Bamboos in 1 Day Tree Planting Project
on December 20, 2022





MARANA 2ND, CITY OF ILAGAN



CALAMAGUI 1ST, CITY OF ILAGAN



NAGULIGAN NORTE, CITY OF ILAGAN



STA. BARBARA, CITY OF ILAGAN



CALAMAGUI EAST, CITY OF ILAGAN



BACULUD, CITY OF ILAGAN



ARCON, TUMAUI



CARPINTERO, TUMAUI NI



STA. VISITACION, TUMAUNI



LAPOGAN, TUMAUNI



FERMELDY, TUMAUNI



FUGU SUR, TUMAUNI



MINANGA, TUMAUNI



ANNAFUNAN, TUMAUNI



STA. MARIA, ISABELA

MEETINGS, CONFERENCES, CONVENTIONS, TRAININGS AND OTHER EDUCATION PROGRAMS

ATTENDED

Date	Training/Seminar/Webinar/Workshop Title
February 8, 2022	RDC II Regional Committee on Devolution Virtual Meeting
February 10-11, 2022	Know Mine, Know Life: Elevating the Mission of Responsible Mining
February 17, 2022	Change and My Carbon Footprint
March 10-11, 2022	Energy Audit Capacity Building facilitated by the USAID Philippines.
March 19, 2022	Fuyot Spring Natural Park (FSNP) Protected Area Management Board (PAMB) Meeting
March 23-24, 2022	Stakeholders' Forum on Mining with the theme: "Know Mine, Know Life: A Forum on Responsible Mining"
March 20-April 10, 2022	ENR Academy Specialized Course on Environmental Law Enforcement
April 18-22, 2022	Attended Basic Pollution Control Officers' Training
April 20-22, 2022	Seminar/Training on "The Effective Approach in Records, Information and Data Management System: Standards and Best Practices for Business Continuity in the New Normal in Correlation to the Data Privacy Act (RA 10173) of 2012
May 4, 2022	Round Table Discussion on Energy Transition
May 18-19, 2022	Orientation and Planning Workshop on Risk Resiliency Program on Climate Change Adaptation and Mitigation Through Cash for Work conducted by DSWD Field Office 02
May 24, 2022	Provincial Environment Law Enforcement Council (PELEC) meeting and briefly presented the accomplishment report on related programs, projects and activities of the Provincial Government.
June 7, 2022	Energy Audit Preparatory Meeting
June 17, 2022	Soil Conservation Forum
June 21, 2022	Capacity Building for Local Government Units on RA 9003 otherwise known as Ecological Solid Waste Management Act of 2000
June 21-22, 2022	Training on Enhanced Local Climate Change Action Plan (ELCCAP) Formulation
June 28, 2022	Northern Sierra Madre natural Park (NSMNP), Protected Area Management Board (PAMB) En Banc Meeting
June 29, 2022	Provincial Statistics Committee-Isabela 4th Regular Meeting (2nd Quarter 2022)
June 29, 2022	Fuyot Spring National Park (FSNP)-Protected Area Management Board (PAMB) 2nd Quarter Meeting
July 4, 2022	Pre-Energy Audit Meeting
July 5-6, 2022	Capacity Building on Water and Air Quality Monitoring regarding full devolution of certain functions of the Executive Branch to Local Governments.
July 7, 2022	Post-Energy Audit Meeting (Exit Conference)
July, 27-28, 2022	Development of Response Plan for Northern Sierra Madre Natural Park
August 5, 2022	2nd Quarter MMT Report Finalization at Dinapigue Mining Corp.
August 10, 2022	Training on Basic Agroforestry System Concepts and Establishment

August 10, 2022	Regional Solid Waste Management Advocacy Campaign dubbed as "Pinas: The Basura Buster" (PBB)
August 17, 2022	3rd Quarter DMC-MRFC
August 24, 2022	Marine Protected Area Network (MPAM)
September 8, 2022	Isabela Provincial Cooperative Development Council (IPCDC) 3rd Quarter Meeting
September 27, 2022	Orientation on the Revised Comprehensive Land Use Plan/Zoning Ordinance Review by Approval Process
September 28-30, 2022	Multi-Partite Monitoring Team Tumauni River Multi-Purpose Project (MMT-TRMP) Capacitation Training & Workshop
September 30, 2022	3rd Quarter Provincial Environment Law Enforcement Council
October 12-14 2022	3-day Marine Protected Area Network - TWG Strategic Manning
October 20, 2022	Introductory Webinar on Circular Economy "A key element in Achieving Environment & Natural Resources Component on the Philippines" nationally determined contribution
November 7, 2022	Regional Spatial Development Framework Workshop
November 9, 2022	PAMB Meeting 4th Quarter
November 10-11, 2022	2022 Protected Area and Eco-Tourism Summit at Isabela Convention Center
November 16, 2022	Orientation cum Workshop on the Harmonization Roadmap Template
November 25, 2022	Attended Training on Soil Fertility and Integrated Pest Management
November 25, 2022	Resilience – Building among Smallholder Farmer of Selected Upland Farming Communities in the Province of Isabela
November 29, 2022	FSNP - PAMB Special Board Meeting
November 29, 2022	4th Quarter Regular Meeting re Provincial Environment Law Enforcement Council (PELEC)
December 2, 2022	Cagayan River Basin Management Council (CRBMC) 2nd Council Meeting for CY 2022
December 2, 2022	Calao – Delinquent – Diadi River System Water Quality Management Area (CDD-WQMA)
December 5, 2022	Public Hearing regarding the Amendments of SP. Ordinance No. 5 series of 2014
December 7-9, 2022	Records Management Principles and Functions: Their Importance to Government Offices' Operation
December 14, 2022	4th Quarter CY 2022 MMT Validation of Dinapigue Mining Corp
December 14, 2022	Technical Cooperation Project for the Capacity Development on Improving Solid Waste Management (SWM) through Advanced/Innovative Technology Project Final Dissemination Seminar conducted by Japan International Corporation
December 16, 2022	4th Quarter PSC Business Meeting
December 21, 2022	Devolution & Capacity Development with Values & Protocol Coaching
December 27, 2022	Unboxing: Protocol Pointers, Online Conduct to Learn & Socmed Phrases to Unlearn

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Ecclesiastes 4:9,12

*“Two are better than one because they have a good return for their labor:
Though one may be overpowered, two can defend themselves. A cord of three strands is not quickly
broken.”*

TREES

By: Joyce Kilmer

I think that I shall never see
A poem lovely as a tree.

A tree whose hungry mouth is prest
Against the earth's sweet flowing breast;

A tree that looks at God all day,
And lifts her leafy arms to pray;

A tree that may in summer wear
A nest of robins in her hair;

Upon whose bosom snow has lain;
Who intimately lives with rain.

Poems are made by fools like me,
But only God can make a tree.

