



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE
Bgy. Sta. Monica, Puerto Princesa City, Palawan
Telfax No. (048) 434 - 8791
Email Add: penropalawan@denr.gov.ph

DENR MIMAROPA RECORDS SECTION
RECEIVED
27 OCT 2022
☒ INCOMING ☐ OUTGOING
BY: _____ DATE NO. _____

October 20, 2022

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA
1515 L&S Bldg.
Roxas Blvd., Manila

THRU : The OIC, Assistant Regional Director
For Technical Services

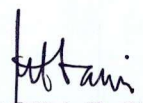
FROM : The Provincial Environment
& Natural Resources Officer

SUBJECT : **MONITORING REPORT ON JOINT VENTURE AGREEMENT (JVA)
AWARDED TO LIONHEART FARMS (PHILIPPINES)
CORPORATION (LFPC) LOCATED IN BARANGAYS RANSANG,
CULASIAN & CANDAWAGA, RIZAL, PALAWAN**

Respectfully forwarding is the memorandum dated September 12, 2022 from CENRO Quezon, Palawan with enclosures, re: performance evaluation report of the monitoring team composes of personnel of the above cited CENR field office on the Joint Venture Agreement (JVA) awarded to Lionheart Farm Philippines Corporation (LFPC) on August 10-12, 2022 in Barangays of Ransang, Culasian and Candawaga, Rizal, Palawan.

For your information and records.

For the PENRO:


RHODORA B. UBANI
Supervising ECOMS / Chief CDS
Office In-Charge

Copy Furnished:
The Community Environment and
Natural Resources Officer
Quezon, Palawan

DAIF Ref. 2022-9016 27/1
TSD-RPS-Utilization
rac

DENR-PALAWAN
PENRO-RECORDS
RELEASED
By: _____ Date: 24 OCT 2022
22-20419



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Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
National Highway, Bgy. Alfonso XIII, Quezon, Palawan
Email: cenroquezon@denr.gov.ph

September 12, 2022


MEMORANDUM

FOR : The Provincial Environment and Natural Resources Officer
Sta. Monica, Puerto Princesa City

FROM : The Community Environment and Natural Resources Officer

SUBJECT : **MONITORING REPORT ON JOINT VENTURE AGREEMENT (JVA) AWARDED TO LIONHEART FARMS (PHILIPPINES) CORPORATION (LFPC) LOCATED IN BGYS. RANSANG, CULASIAN & CANDAWAGA, RIZAL, PALAWAN**

**DENR PENRO
PALAWAN RECORDS
RECEIVED**

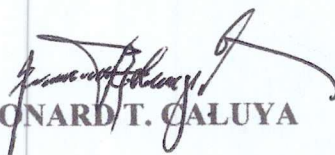
BY: 
DATE: 09-27-2022 22-8711

Respectfully forwarded the memorandum dated September 1, 2022 of the Compliance Monitoring Team of DENR – CENRO Quezon, Palawan re: above – cited subject.

Please be informed that on August 10 – 12, 2022, the team conducted Compliance Monitoring and Performance Evaluation on Joint Venture Agreement (JVA) awarded to *Lionheart Farms (Philippines) Corporation (LFPC)* represented by Carl Christian Moeller, President of LPFC located in Bgys. Ransang, Culasian and Candawaga, Rizal, Palawan.

Attached is the report together with its corresponding documents like geotagged pictures of plantations, facilities and other infrastructures, and duly accomplished monitoring form for Joint Venture Agreement (JVA).

For your information and record.


LEONARD T. CALUYA





Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
National Highway, Bgy. Alfonso XIII, Quezon, Palawan
Contact No.: 0917-160-4920
Email: cenroquezon@denr.gov.ph

September 1, 2022

MEMORANDUM

FOR : The Community Environment and Natural Resources Officer
Quezon, Palawan

FROM : The Compliance Monitoring Team

SUBJECT : **MONITORING REPORT ON JOINT VENTURE AGREEMENT (JVA) AWARDED TO LIONHEART FARMS (PHILIPPINES) CORPORATION (LFPC) LOCATED IN BGYS. RANSANG, CULASIAN AND CANDAWAGA, RIZAL, PALAWAN**



This pertains with the Office target for C.Y. 2022 under the Compliance Monitoring and Performance Evaluation of Tenure Holders.

Please be informed that on August 10-12, 2022, the undersigned conducted Compliance Monitoring and Performance Evaluation on Joint Venture Agreement (JVA) awarded to Lionheart Farms (Philippines) Corporation (LFPC) represented by Carl Christian Moeller, President of LFPC located in Bgys. Ransang, Culasian and Candawaga, Rizal, Palawan. The following activities, findings, observations and recommendations are submitted, to wit;

I. BASIC INFORMATION

- | | | |
|-----------------------------|---|--|
| 1. Name of Lessee | : | Lionheart Farms (Philippines) Corporation (LFPC) |
| 2. Address | : | Bgy. Punta Baja, Rizal, Palawan |
| 3. Kind and Number of Lease | : | Joint Venture Agreement (JVA) |
| 4. Date of Issuance | : | October 29, 2018 |
| 5. Area (has) | : | 3, 500.0000 has. |
| 6. Location | : | |
| a. Province of | : | Palawan |
| b. Municipality | : | Rizal |
| c. Barrio | : | Ransang, Culasian and Candawaga |



II. ACTIVITIES CONDUCTED

- Inspection of establishments/facilities on Nursery Sites and determination of activities conducted within the coconut and tree nurseries;
- Inspection of coconut and tree plantations and facilities/structures built thereat;
- Inspection of Solid Waste Management Facilities such as trash bins, material recovery facility (MRF), and alike;
- Evaluation of performance of the holder on compliance with the terms and conditions stipulated in the agreement;
- Identification of other significant accomplishments/best practices introduced;
- Geo-tagging of permanent and temporary infrastructures and other facilities within the nurseries and plantations;
- Geo-tagging of Solid Waste Management Facilities such as trash bins, material recovery facility (MRF), and alike
- Geo-tagging of coconut and tree plantations within the subject area; and
- Conduct of Entry and Exit Conference reiterating the purpose of the compliance monitoring and informed the holder the observed non-compliance of the terms and conditions stipulated in their ECC and in the agreement.

III. FINDINGS/OBSERVATIONS

- That, there are two nurseries built thereat however, the area for tree nursery is not included in the JVA, which is ground for termination/cancellation of the agreement under Section 6.2.6 of the terms and conditions stipulated in the agreement;
- That, within the coconut nursery, there are water sprinkler installed for coconut seedlings;
- That, there are other structures observed/found within the coconut nursery such as one (1) guard post, (1) comfort room, (1) fertilizer storehouse and six (6) irrigation hose;
- That, within the tree nursery site, the Micro Production and Service Office Farm Operation Department was established. It was intended for the production of organic fertilizer such as Foliar and Granular Fertilizer;
- That, there are other structures observed/found within the tree nursery site such as two (2) water tanks, one (1) motor pool, three (3) gasoline tanks and one (1) rice hull facility;



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- That, it was found out that the Rice Hull Facility is operating without Permit to Operate which is in violation with the terms and conditions stipulated in their Environmental Compliance Certificate (ECC), however during the conduct of compliance monitoring the said facility was not operational;
- That, during the compliance monitoring in their forested area within the JVA particularly in So. Malutok, Bgy. Ransang, Rizal, Palawan, series of illegal activities were observed such as under brushing, cutting of trees for charcoal making and girdling of trees;
- That, their forest protection activities are not effective due to the illegal activities observed during the compliance monitoring;
- That, based on the monitoring conducted within their tree plantation establishment, it was successful and commendable;
- That, their coconut plantations were established based on advanced method;
- That, the plantation within the JVA of LFPC is not yet productive and their source of products being processed is from the rented plantation outside JVA;
- That, their road networks within the plantations also served as fire lines;
- That, the LFPC is not yet accredited as hazardous waste generator however, there is an on-going application for the said permit/clearance, and;
- Their Material Recovery Facility (MRF) was built with the prescribed standard.

IV. BEST PRACTICES OBSERVED BY THE LIONHEART FARMS (PHILIPPINES) CORPORATION (LFPC)

- The LFPC produced their own organic fertilizer using rice, carbonized rice hull, rice compost and animal manure specifically from carabao and cow;
- Their road networks served also as firelines, and;
- They used indigenous tree species and bamboo in their tree plantation establishments.

V. AGREEMENT REACHED DURING THE EXIT CONFERENCE

- That, the DENR will assist the LFPC upon their request in conducting Information Education Campaign (IEC) regarding forest protection in So. Malutok, Bgy. Ransang, Rizal, Palawan, where illegal activities mentioned above took place, and;



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- That, the DENR will provide technical assistance to LFPC in conducting inventory, scaling and investigation relative to the illegal activities within the JVA area.

V. RECOMMENDATIONS

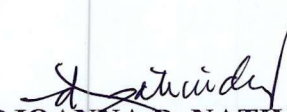
- The LFPC must apply for another tenurial instrument for their tree nursery site to avoid further violation;
- The LFPC must secure necessary permits such as permit to operate and alike and strictly adhere on the terms and conditions stipulated in the ECC;
- The LFPC must apply for the accreditation as hazardous waste generator;
- Strengthen the forest protection activities within and adjacent area of the JVA to deter illegal activities thereat and ascertain the perpetrator and file a case against them;
- Weeding and proper care and maintenance must be done in their coconut and tree plantations;
- Strictly comply with the terms and conditions stipulated in the agreement and ECC, and;
- Issue a Notice of Violation for the non-compliance with the terms and conditions stipulated in the agreement.

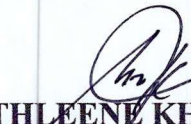
Attached herewith are geo-tagged photos of plantations, facilities and other infrastructures and duly accomplished compliance monitoring form for Joint Venture Agreement (JVA).

For your information and record.


JUVY A. TABAQUE
Forest Technician I

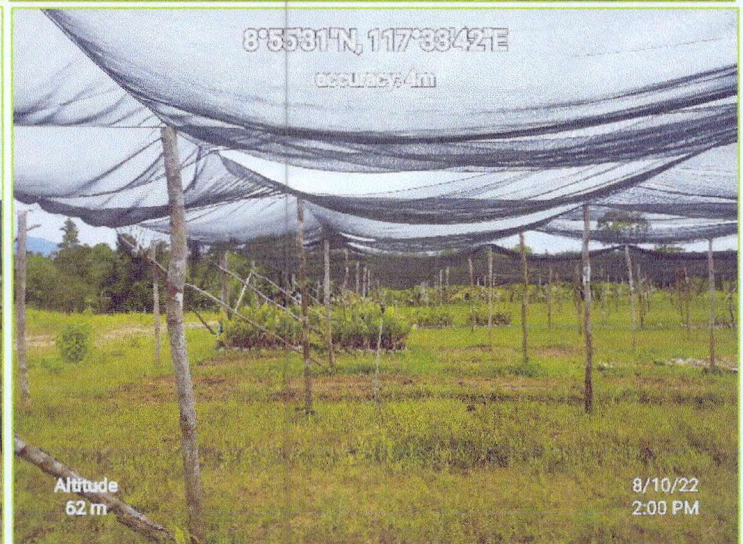
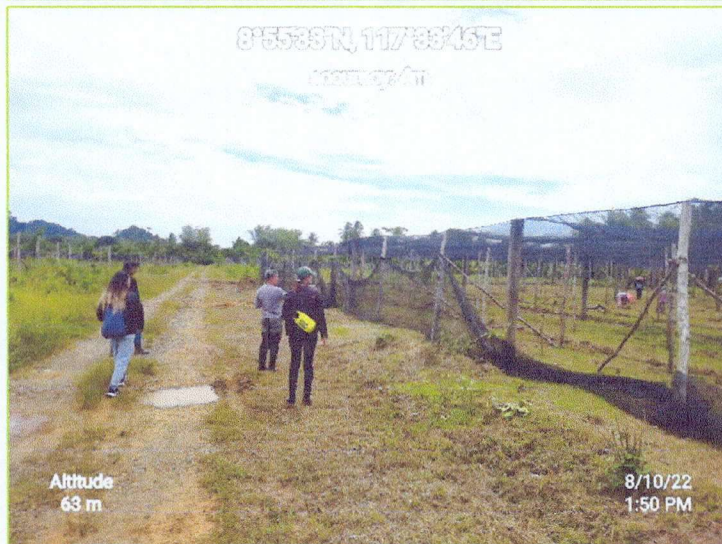

SHERYL C. BACAN
Forester I


DJOANNA D. NATIVIDAD
Land Management Inspector


KATHLEENE KHYE MOZO
Forester I



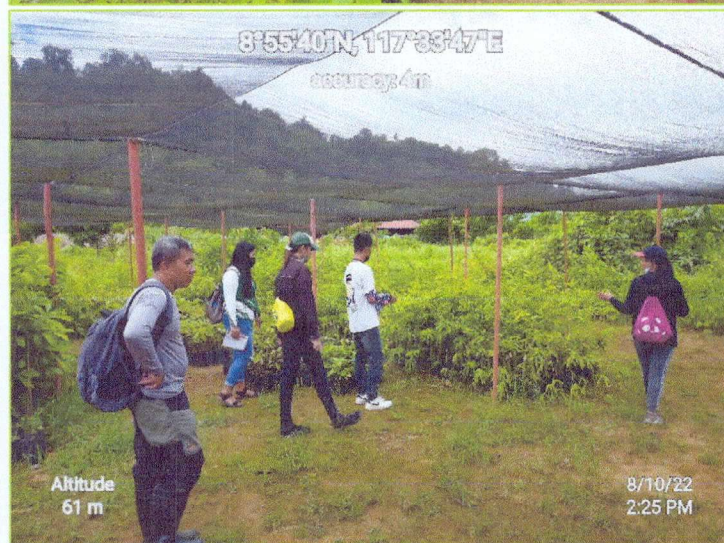
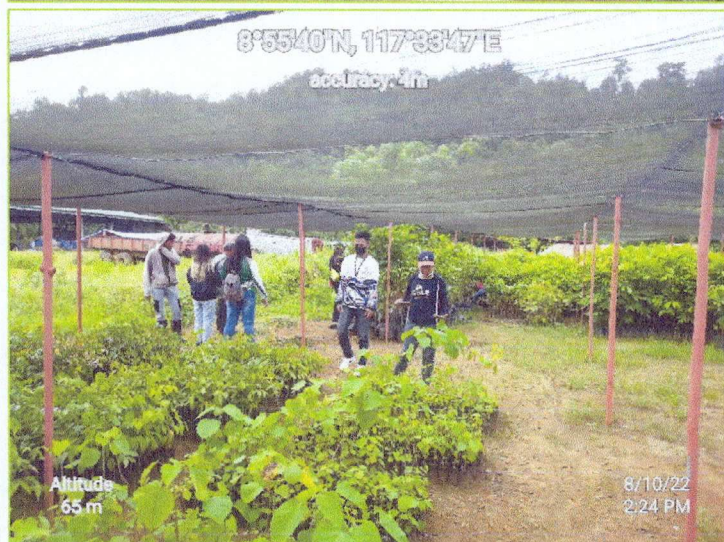
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Geotagged pictures showing the nursery of coconut seedlings of Lionheart Farms Philippines Corporation established inside JVA located in Bgy. Ransang, Rizal, Palawan.



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Geotagged pictures showing the nursery of tree seedlings of Lionheart Farms Philippines Corporation established within JVA located in Bgy. Ransang, Rizal, Palawan.

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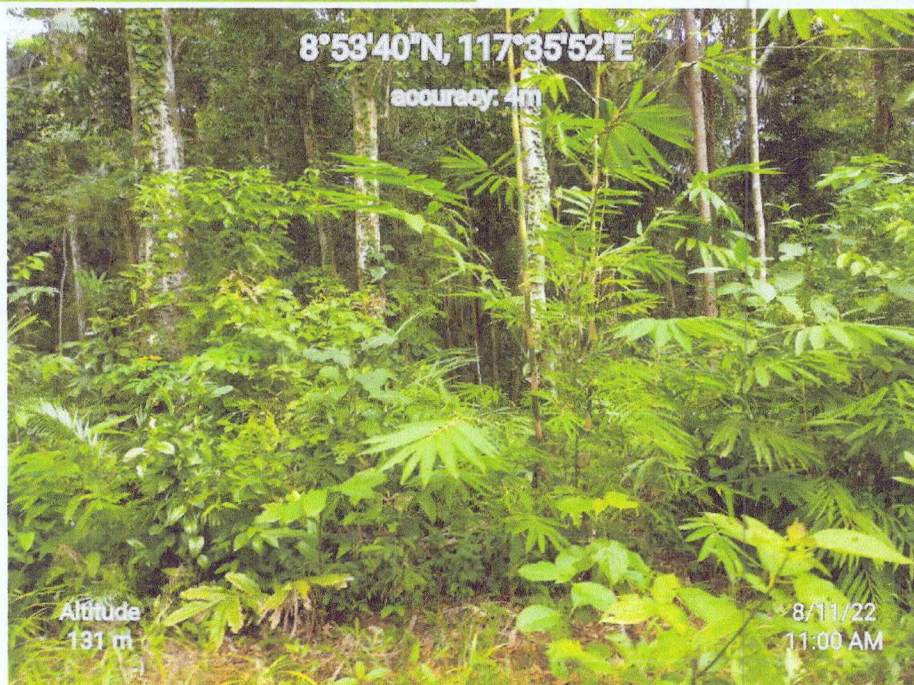
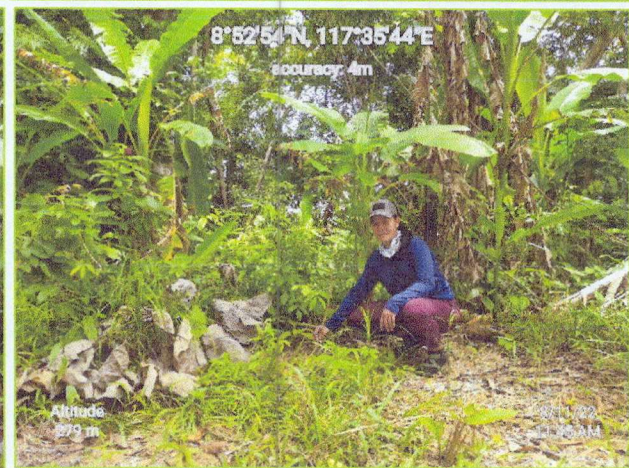
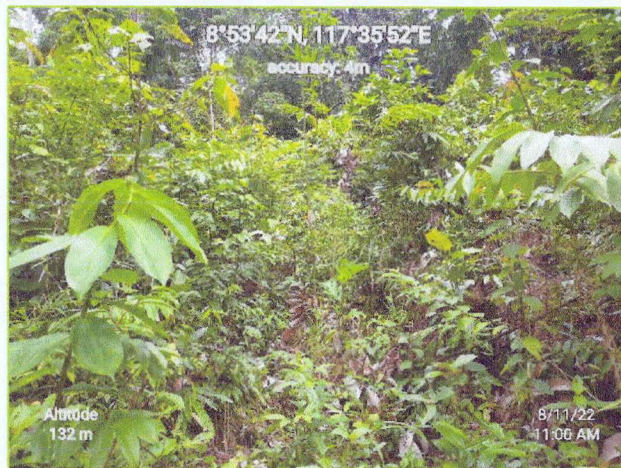
Geotagged pictures showing the coconut plantations of Lionheart Farms Philippines Corporation.

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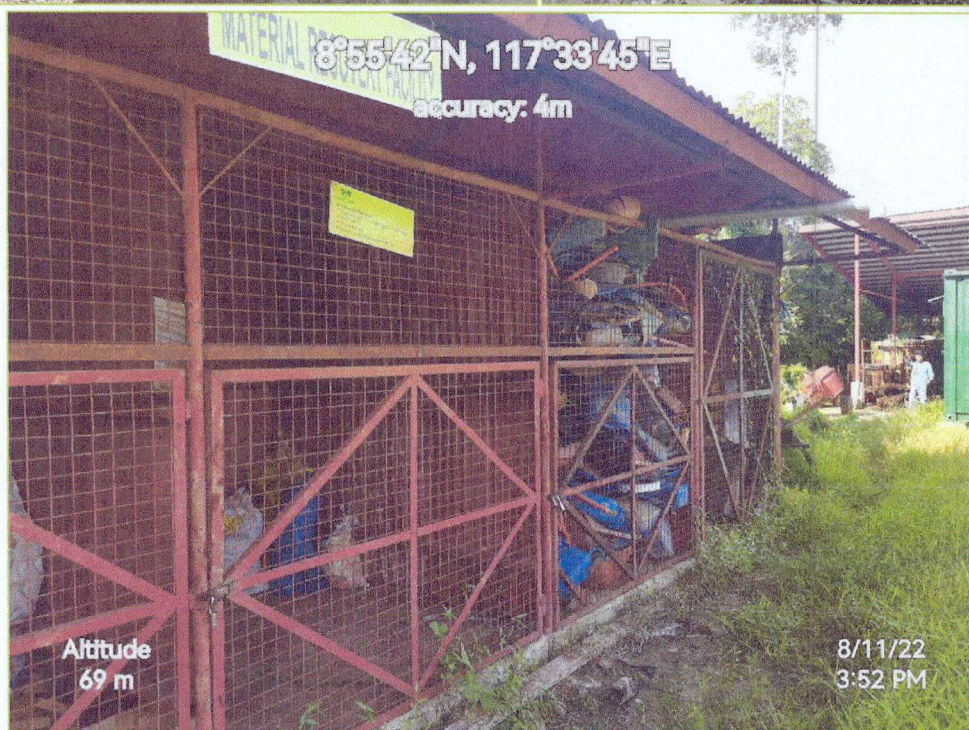


Geotagged pictures showing the tree & bamboo plantations of Lionheart Farms
Philippines Corporation

SAITHE GON



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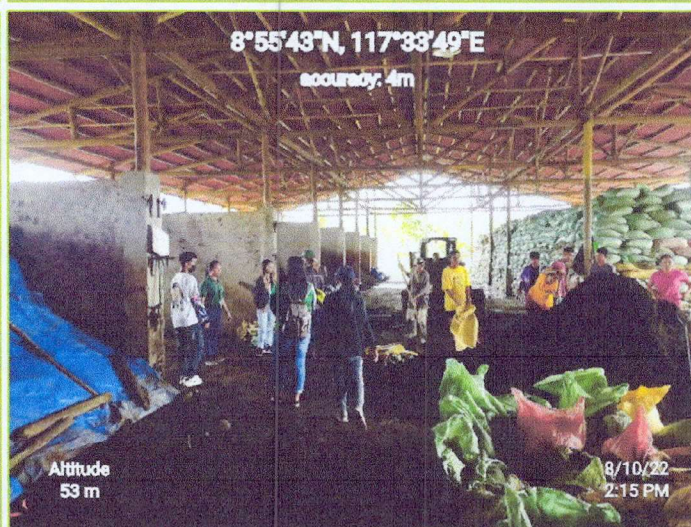
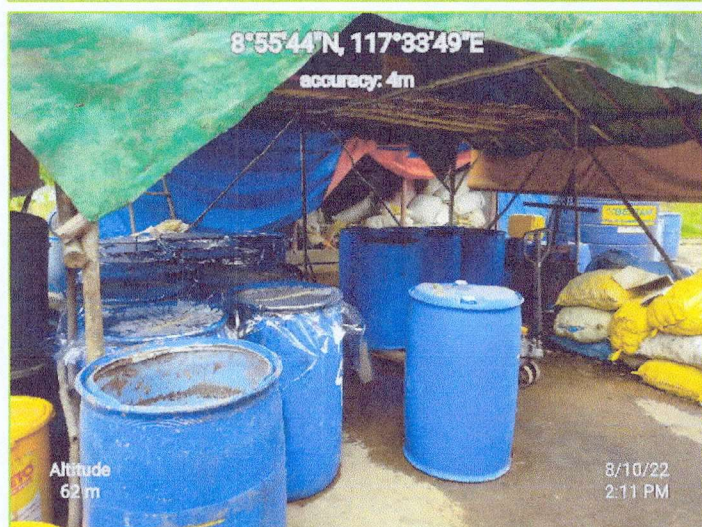
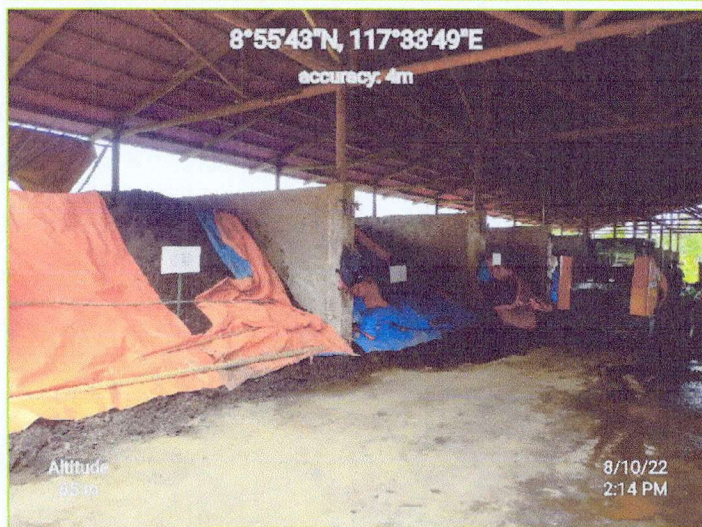


Materials Recovery Facility (MRF)

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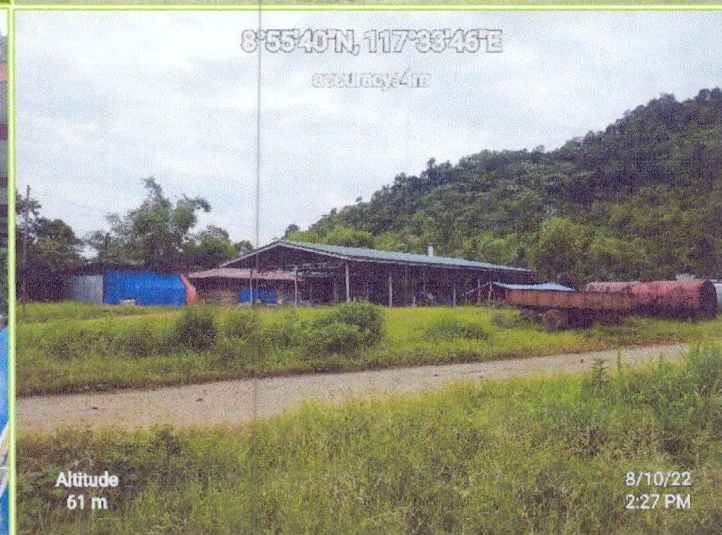
Geotagged pictures showing the Micro Production and Service Office Farm Operation Department intended for production of organic fertilizer such as Foliar and Granular Fertilizer.

[Signature] J. A. T. Enriquez

[Signature]



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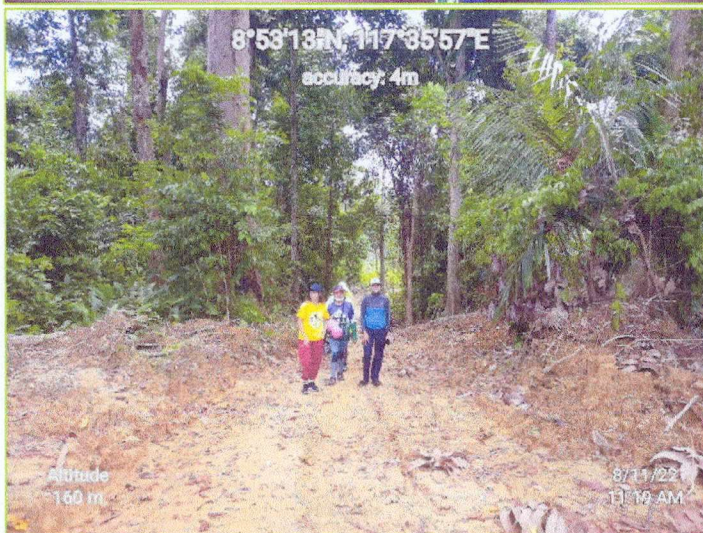
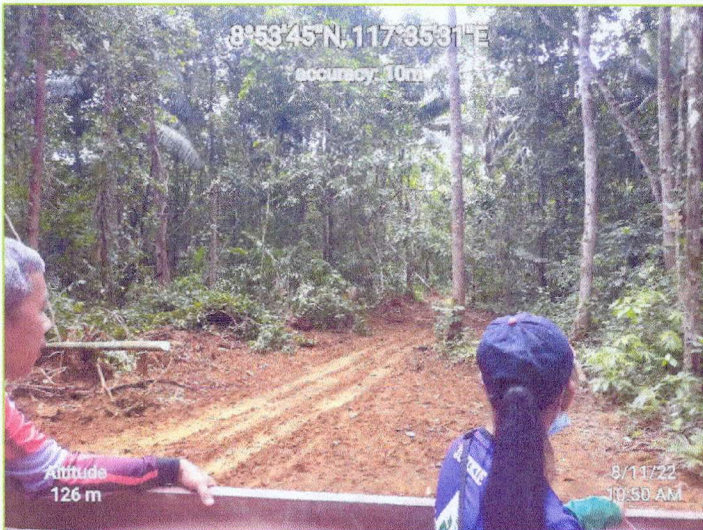
Structures within JVA of Lionheart Farms Philippines Corporation

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[Handwritten signatures] Road networks/Firebreaks *[Handwritten signature]*



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Geotagged pictures showing observed illegal activities such as under brushing, tree girdling & charcoal making during the monitoring inside the area of JVA.

[Signature]
J. S. Roque

[Signature]

FOREST TENURE HOLDER PROFILE

Holder Name:

LIONHEART FARMS (PHILIPPINES) CORPORATION (LFPC)

Forest Tenure/ Permit Type

Integrated Forest
Management
Agreement (IFMA)

☐

Forest Landuse
Agreement (FLAg)

☐

Special Land
Use Permit
(SLUP)

☐

Socialized Industrial
Forest Management
Agreement (SIFMA)

☐

Forest Landuse
Agreement for
Tourism (FLAgT)

☐

Provisional
Agreement (PA)

☐

Forest land Grazing
Management
Agreement (FLGMA)

☐

Community-Based
Forest Management
Agreement (CBFMA)

☐

Others:
Upland Agroforestry Project
please specify

Holder Type:

Individual

☐

Corporation/
Association/
Cooperative

☒

People's
Organization

☐

Instrument/ Permit Code:

Joint Venture Agreement

Area (Hectares):

3, 500

Purpose :

To establish Hybrid Coconut Plantation

Date issued :

1

0

(Month)

2

9

(Day)

2

0

1

8

(Year)

Date expired :

1

0

(Month)

2

9

(Day)

2

0

4

3

(Year)

Date executed/
notarized :

1

0

(Month)

2

9

(Day)

2

0

1

8

(Year)

Annual Rental
(Php) :

N/A

Government
Share (Php) incurred

N/A

Total Performance
Bond Deposit (Php)

Mode of Payment (Performance Bond)

Cash Bond: ☐

Surety Bond: ☐

Remarks :

No government share/annual rental fee will be paid until LFPC starts their harvesting operation.

Location of the Forest Tenure Area

Region/s :

MIMAROPA

Province/s :

Palawan

Municipality/ies :

Rizal

Baranggays :

Candawaga and Ransang

Sitio/s :

Balen-balen, Malutok, Sumurom, Pandan, Pinagkubuan, Dinakpan, Suminanga, Tawa-tawa, Maruso and Tigkawayan

HOLDER INFORMATION

NOTE: for Individual Holders

NAME OF THE
HOLDER

--	--	--	--

(First Name)

(Middle name)

(Last name)

(Suffix)

SEX:

☐

Male

☐

Female

DATE OF
BIRTH

--	--

Month

--	--

Day

--	--	--

Year

ADDRESS :

--	--

(Street)

(Barangay)

--	--

(City)

(Province)

REMARKS AND OTHER
INFORMATION :

--

Contact Information:

AUTHORIZE
REPRESENTATIVE

--	--	--	--

(First Name)

(Middle name)

(Last name)

(Suffix)

CELLPHONE NUMBER :

--

FAX NUMBER :

--

EMAIL
ADDRESS:

--

NOTE: Use this form if the Holder is a Corporation / Association / Cooperative

NAME OF THE
CORPORATION /
ASSOCIATION :

Lionheart Farms (Philippines) Corporation (LFPC)
--

ADDRESS :

Purok Pagkakaisa	Punta-baja
------------------	------------

(Street)

(Barangay)

Rizal	Palawan
-------	---------

(City)

(Province)

REGISTERING AGENCY:

Securities and Exchange Commission (SEC)
--

REMARKS AND OTHER
INFORMATION :

--

Contact Information:

AUTHORIZE
REPRESENTATIVE

Christian	Eyde Pentz	Moeller	N/A
-----------	------------	---------	-----

(First Name)

(Middle name)

(Last name)

(Suffix)

CELLPHONE NUMBER :

09190087040

FAX NUMBER :

N/A

EMAIL
ADDRESS:

--

Forest Protection Activities					
Activity	Planting Details		Proof		
	Forest Species	Date Conducted	Geotagged photo	Coordinates	Date photo taken
Enrichment Planting	Instia bijuga				
On-site Monitoring		Whole Year 2021			

Nursery Operations					
Activity	Number	Species	Proof		
			Geotagged photo	Coordinates	Date photo taken
Seedling Production	7, 161	Instia bijuga			
	1, 681	Swietenia macrophylla			
	2, 179	Gmelina arborea			
	67, 190	Cocos nucifera			

Forest Plantation Establishment							
Activity	sub activity	Planting Details					Proof
		Area (Ha)	Date Planted	Current	No. of Seedlings	Spacing	Coordinates
Tree Plantation		8.0287	1st and 2nd Quarter 2021	8.0287	7, 025	4mx4m	
Bamboo Plantation		17.002	1st and 2nd quarter 2021	17.002	5, 365	7mx7m	
Coconut Plantation		604	1st and 3rd quarter 2021	604	105, 737	10mx10m	

Harvesting Operation											
Species	Area (ha)	Harvesting Details							Proof		
		No. of trees	Volume (m ³)	ACC/ Authorized volume (m ³)	Balance vol	Spacing (m)	Type of Harvesting Operation	Source Inventory and Permit, if applicable	Geotagged photo	Coordinates	Date photo taken
N/A											

Staff Information		
NAME	Position	Sex

Technical Assistance	
Technical Assistance	Type Of Assistance
Forester (Agency or Consultant): _____	
Other Environmental Officer or Agency: DENR-CENRO, Quezon, Palawan and PCSD _____	IEC, On-Site Monitoring and Trainings
Other Necessary Agency/ Assistance: _____	

Structural Improvements					
Description	Area (Has.)		Proof		
	Previous	Current	Geotagged photo	Coordinates	Date taken
Firebreaks/Fireline	16.8	12.5			
Farm Station	1	0.54			
Roads	19	23			

Livestock Production						
Species	No. of Animals		Total Amount	Proof		
	Current	Previous		Geotagged photo	Coordinates	Date photo taken
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Food Production						
Crop Species	Area (Has.)		Total Amount	Proof		
	Previous	Current		Geotagged photo	Coordinates	Date photo taken
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Practices Undertaken to Increase/Improve Production					
Species	Area (Has.)		Method/Practice	Remarks	
	Planted	Maintained			
Kudzo	10	6	Planted in between coconut	To eliminate the weeds	
Centrosema	10	6	Planted in between coconut	Nitrogen fixing plant	
Madre de Cacao	49.2	49.2	Planted along the boundary lines	Nitrogen fixing plant	

Pest and Disease			
Type of Pest and Disease	Method of Control	Diagnosed By	Remarks
Brontispa	Cultural Method	Drying patches of young leaves	
Rhinoceros beetle	Trap Method	Holes with chewed fiber sticking out at the central spindle	

Grazing System Used (FLGMA)			
Rotational		Cut and Carry	
Area of paddock		Date	
No. of heads		Species	
No. of grazing days		Weight	

COMPLIANCE DOCUMENTARY REQUIREMENTS

CONDITIONS	YES	NO	REMARKS
NCIP/ Certificate of Pre-condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Free and Prior Informed Consent	<input type="checkbox"/>	<input type="checkbox"/>	
Compliant to ECC-PD 1586, Philippine Environmental Impact Assessment/DAO 2003-30	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not compliant with the terms and conditions stipulated in their ECC.
Compliant to RA 6960, Toxic and Hazardous Waste Act of 1999/DAO 1992-29	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not registered as Hazardous Waste Generator
Compliant to RA 8749, Clean Air Act of 1999/ DAO 2000-81	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operating without Permit to Operate
Compliant to RA 9003, Ecological Solid Waste Management Act of 2000/ DAO 2001-34	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Compliant to RA 9275 Clean Air Act of 2004 / DAO 2003-10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operating without Discharge Permit
Compliant to Water Code of the Philippines / Article No. 51 - PD 1067	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
a) Within 3 meters in Urban Areas	<input type="checkbox"/>	<input type="checkbox"/>	
b) Within 20 meters in Agricultural Land	<input type="checkbox"/>	<input type="checkbox"/>	
c) Within 40 meters in Timberland Areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Permits Obtained From Other Agencies Necessary for the Operation Over the Tenured Area

Permit/Certification	Agency	Validity		Remarks
		Approval	Expiration	
Certificate of Pre-Condition	NCIP	9/24/2020	9/24/2045	
SEP Clearance	PCSD	8/31/2017	8/31/2042	
Upland Agroforestry Project/Joint Venture Agreement	DENR	10/29/2018	10/29/2043	
Environmental Compliance Certificate (ECC)	DENR	10/31/2018		
Mayor's Permit	LGU Rizal	1/24/2022	12/31/2022	
Barangay Resolution	Bgy. Ransang	12/11/2015		
	Bgy. Candawaga	03/08/2016		
	Bgy. Culasian	12/14/2015		
Sangguniang Bayan Endorsement	LGU Rizal	06/16/2016		
Municipal ECAN Board Resolution	LGU Rizal	04/17/2017		
Provincial Resolution	Province of Palawan	05/08/2018		

Annual Rental/Government Share Payments Made

[illegible]

Other fees (i.e. Performance Bond, Administrative Fees, Forest Charges)

Type of Fee	Amount	Official Receipt No.	Date of Payment	Payment Made to:	Proof of Payment	Remarks
Surety Bond	500, 000.00	8408828	August 24, 2021	NCIP Region IV	Official Receipt	
Monitoring and Evaluation	50, 000.00	8408818	August 29, 2021	NCIP Region IV	Official Receipt	

Date of the CDMP
submitted to DENR

0	4
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(Month)

1	2
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(Day)

2	0	1	9
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(Year)

Date of the CDMP approval

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(Month)

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(Day)

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(Year)

SUMMARY OF APPROVED AREA

Present vegetative cover

3, 004.31

Production Forest (Ha.)

454.86

(Protection Forest (Ha.)

40.84

Others (inland water, roads etc.)

Development Activities

(File attachment for the summary of plan and schedules per development activities)

Area (Has.) and Map

(file attachment tab for map of the area)

Plan Revision
(if applicable)

(file attachment tab for map of the area)

DEVELOPMENT AND MANAGEMENT SYSTEM

Timber Inventory

Species group	Diameter class (cm)	Total No. of trees	Total Volume	Proposed Area		
				Geotagged photo	Coordinates	Date photo taken

Proposed Permanent Improvement

Infrastructure	Area (Ha)	Details	Proposed Area		
			Geotagged photo	Coordinates	Date photo taken
Field Office	10	Farm Operation Office			
Drip Irrigation	2, 800	Coconut Plantation Irrigation			
Access Road	120	Farm to Market Road and Plantation Road			
Farm/Cooking Station	6	Sap Boiling in each block			
Watch Tower	2	Tower in each Farm			
Fireline/Firebreak	3, 500	Plantation Area			

Target/Projected Management and Development Activity

Year	Development and Management Activity	Land Cover	Method and/or Strategy
2018-2024	Establishment of Forest Tree Nursery & Plantation	Open Forest	Tree Plantation, Seedling Production and Care and Maintenance
2018-2024	Establishment of Hybrid Coconut Nursery & Plantation	Shrubs	Seedling Production, Planting and Care and Maintenance
2021-2024	Enrichment Planting	Inland Water	Planting of Hybrid Coconut, Indigenous trees, Bamboo and Rattan
2022-2024	Establishment of Agroforestry (SALT)	Annual	Planting of Annual Crops
2022-2024	Establishment of Perennial Crops Plantation	Perennial	Planting of high value crops and hybrid coconut

Harvesting Activities

Year	Harvesting	Method and/or Strategy
2023-2043	Harvesting of Coconut sap	Select bearing trees, collection of sap every 5 hours and processing of raw materials
2025-2043	Harvesting of Bamboo	Selection of straight and mature bamboos

Monitoring and Quality Control	
Activity	Method and/or Strategy
Project Implementation and Monitoring	Compliance Monitoring w/ the terms and conditions stipulated in JVA, ECC and other permits
LFPC Internal Monitoring and Evaluation	Implementation of Administrative and Technical Activities with efficient monitoring and evaluation
Managerial Strategies	Spell-out its overall objectives, set concrete and measurable goals

MARKETING ASPECT				
Product	Quantity	Estimated Price/ Qty	Total Sales	Market Outlet

Target/Projected Production and Sales for 25-Year Operation				
Year	Production			Projected Sales
	Species	Quantity	Volume (sq.m)	
Year				
Total				
Year				
Total				
Year				
Total				
Year				
Total				
Year				
Total				

GANTT CHART OF ACTIVITIES FOR THE TWENTY FIVE (25) YEAR OPERATION

Component Activity	Development Timeline																								
	YR 1 - 5					YR 6 - 10					YR 11 - 15					YR 16 - 20					YR 21 - 25				
Hybrid Coconut (Planting)	2019	2020	2021	2022	2023																				
Harvesting of Coconut sap						2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Bamboo Plantation (Planting)			2021	2022	2023																				
Harvesting of Bamboo						2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
SALT (Planting)			2021	2022	2023																				
SALT (Harvesting)							2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Agri-crops (Planting and Harvesting)				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Tree Plantation Establishment					2023	2024																			
(Harvesting)															2033										2043
Planting of nitrogen fixing plants (Madre de cacao, Centrosema and Kudzo)		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043