

#### 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

FICE D OUTGOING DATS NO.

November 03, 2022

#### **MEMORANDUM**

**FOR** 

The Regional Executive Director

1515 DENR by the Bay Building, Roxas Boulevard, Barangay 668

Ermita, Manila

THRU:

The OIC, Assistant Regional Director

For Technical Services

**FROM** 

The Provincial Environment

& Natural Resources Officer

SUBJECT

MONITORING REPORT ON SOCIALIZED INDUSTRIAL FOREST

MANAGEMENT AGREEMENT (SIFMA) AWARDED TO PALAWAN STATE UNIVERSITY (PSU) LOCATED IN BARANGAY CULASIAN,

RIZAL, PALAWAN

Respectfully forwarding is the memorandum dated October 07, 2022 from CENRO Quezon, Palawan with attached filed up monitoring forms and other enclosures, re: performance evaluation report conducted on the Socialized Industrial Forest Agreement (SIFMA) of Palawan State University (PSU) awarded on April 10, 2006 located at Barangay Culasian, Rizal, Palawan.

For your information and further instructions.

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

DAIF Ref. 2022-9395 TSD-RPS-Utilization HELIZARDO B. CAYATOC

DENR-PALAWAN
PENRO-RECORDS
RELEASED

By
Date: 0 NOV 2022 N 22-301





#### 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

October 7, 2022

DENR PENRO

**MEMORANDUM** 

FOR:

The Provincial Environment and

Natural Resources Officer

Sta. Monica, Puerto Princesa City

**FROM** 

The Community Environment and

Natural Resources Officer

Quezon, Palawan

**SUBJECT** 

MONITORING REPORT ON SOCIALIZED INDUSTRIAL

FOREST MANAGEMENT AGREEMENT (SIFMA) AWARDED TO PALAWAN STATE UNIVERSITY (PSU) LOCATED IN BGY.

CULASIAN, RIZAL, PALAWAN

Forwarded herewith the memorandum report dated September 28, 2022 of CENRO Quezon Compliance Monitoring Team relative to the above subject.

Please be informed that on September 6, 2022, the team conducted compliance monitoring on Socialized Industrial Management Agreement (SIFMA) awarded to Palawan State University (PSU) located in Bgy. Culasian, Rizal, Palawan. During the monitoring, the team found out that no further development and expansion of plantations undertaken and only harvesting of rubber latex was the only activity conducted by the holder. Then, the Holder is operating without Environmental Compliance Certificate (ECC) which is in violation of PD 1586 or the Environmental Impact Statement System and no material recovery facility and trash bins installed in the area. Lastly, the holder failed to pay the annual rental fee within the prescribed time as stated in the condition no. 25 of the agreement and no annual report was submitted to this Office for CY 2021, which are violations of the terms and conditions stipulated in the said agreement.

In this regard, this Office recommends that the Holder must secure Environmental Compliance Certificate from the Environmental Management Bureau (EMB). Also, they must construct material recovery facility and trash bins within the area for proper wastes segregation and management. Finally, the Holder must strictly comply with the terms and conditions stipulated in the agreement to avoid cancellation of their SIFMA.

10-10-27

SERIAL NO.09 SIGNATURE:

Attached is the duly accomplished Evaluation Form

For your information and further instruction.

LEONARD T. CALUYA

#### COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

National Highway, Bgy. Alfonso XIII, Quezon, Palawan Contact No.: 0917-160-4920 Email: cenroquezon@denr.gov.ph

September 28, 2022

#### **MEMORANDUM**

:

FOR

The Community Environment and

Natural Resources Officer

Ouezon, Palawan

**FROM** 

The Compliance Monitoring Team

**SUBJECT** 

MONITORING REPORT ON

MANAGEMENT **AGREEMENT** 

SIGNATURE: SOCIALIZED INDUSTRIAL

**AWARDED** 

TO

DENR-CENRO QUEZON, PALAWAN

(PSU) LOCATED IN BGY. PALAWAN STATE UNIVERSITY **CULASIAN, RIZAL, PALAWAN** 

(SIFMA)

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 September 6, 2022, the undersigned conducted Compliance Monitoring and Performance Evaluation on Socialized Industrial Management Agreement (SIFMA) awarded to Palawan State University (PSU) located in Bgy. Culasian, Rizal, Palawan. The following activities, findings, observations and recommendations are submitted, to wit;

#### I. **BASIC INFORMATION**

1. Name of Lessee

Palawan State University (PSU)

2. Address

Sta. Monica Heights, Puerto Princesa

City

3. Kind and Number of Lease

Socialized Industrial Management

Agreement (SIFMA)

4. Date of Issuance

April 10, 2006

5. Area (has)

321.92 has.

6. Location

Palawan

a. Province of b. Municipality

Rizal

c. Barrio

Culasian

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#### II. ACTIVITIES CONDUCTED

- Inspection of establishments/facilities on Nursery Sites and determination of activities conducted within the nursery;
- Inspection of rubber and fruit bearing tree plantations and determination of activities undertaken in the said plantations;
- Inspection and geo-tagging 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 rubber and fruit bearing 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 the agreement.

#### III. FINDINGS/OBSERVATIONS

- That, there are nine (9) infrastructures/facilities [tribal hall (1), staff house (3), kitchen (1), stockyard (3) and potting shed (1)] built in the camping site/bunkhouse that are made of light materials;
- That, within the nursery site, seedlings of Durian, Badak (Native jackfruit), Para Rubber, Rambutan and Abaca were raised;
- That, there were no maintenance activities such as weeding and other silvicultural practices were conducted in the nursery for the past years until recently, before the scheduled conduct of inspection;
- That, no collection/harvesting of rubber latex were observed during the monitoring because of materials/ingredients needed for the harvesting ranout:
- That, application of anti-termites and pesticides in their plantations were conducted to prevent pests and diseases,
- That, illegal cutting of Ipil tree was observed within the SIFMA area during the conduct of monitoring;

Jark XZ &



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- That, their forest protection activities are not effective due to the illegal activities within and adjacent area of SIFMA;
- That, the Holder did not comply in the condition 1 of the agreement which states that "The SIFMA Holder shall plant forest tree species and/or non-timber species such as rattan, bamboo, etc. or at least ninety (90%) percent of the plantable area, more specifically on open and denuded land and brushland portions of SIFMA Area";
- That, no expansion and new established plantations observed in the area;
- That, submission of proposal for their Bamboo Plantation Establishment along riverbanks is still on the process;
- That, the area has no established firelines and firebreaks;
- That, the road networks going to the area are not properly maintained;
- That, no Material Recovery Facility (MRF) and other amenities for solid wastes and hazardous wastes built in the area;
- That the Holder is operating without Environmental Compliance Certificate (ECC) and other related permits/clearances issued by the Environmental Management Bureau (EMB);
- No annual report for C.Y. 2021 submitted to this Office;
- No rental payment as of C.Y. 2022 and;
- That, the management of the said SIFMA is recently transferred to the other department of the holder.

#### IV. BEST PRACTICES OF PALAWAN STATE UNIVERSITY (PSU)

• Organic practices and processes were performed/implemented in establishing and maintenance of their plantations.

#### V. AGREEMENT REACHED DURING THE EXIT CONFERENCE

- That, the Holder commit to be deputized as Environment and Natural Resources (DENROs) as well as their workers in the plantations to strengthen their forest protection activities;
- That, the DENR will provide technical assistance to the PSU in conducting timber inventory within the awarded area and other related matters; and
- That, the holder agreed to plant/establish bamboo plantation within their riverbanks for protection;

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#### V. RECOMMENDATIONS

- The PSU must secure Environmental Compliance Certificate (ECC) and other related permits/clearances from the Environmental Management Bureau (EMB) as soon as possible to avoid bigger penalty and/or termination of the agreement:
- That, they must build Material Recovery Facility (MRF) for proper segregation and management of their wastes;
- To strengthen the forest protection activities especially in deterring illegal activities within and adjacent areas of SIFMA;
- That, establishment of firelines and firebreaks must be done;
- That, weeding and proper care and maintenance must be done in their plantations;
- Improve/enhance the road networks going to the area for easier and convenient travel/venture;
- To plant more indigenous tree species, bamboo and rattan in denuded areas in accordance to the terms and conditions stipulated in the agreement;
- To fully developed the whole awarded area and manage it properly in accordance to the Memorandum of Agreement duly signed by the DENR and the holder;
- Strictly comply with the other terms and conditions stipulated in the agreement to avoid cancellation of it;
- Submit Annual Report for C.Y. 2021.

Attached herewith are geo-tagged photos of plantations, facilities and other infrastructures and duly accomplished compliance monitoring form for Socialized Industrial Forest Management Agreement (SIFMA)

For his information and record.

DJOANNAD. NATIVIDAD

Land Management Inspector

RYL'Č. BACAN

Forester I

KATHLEENE KHYE MOZO

Forester I

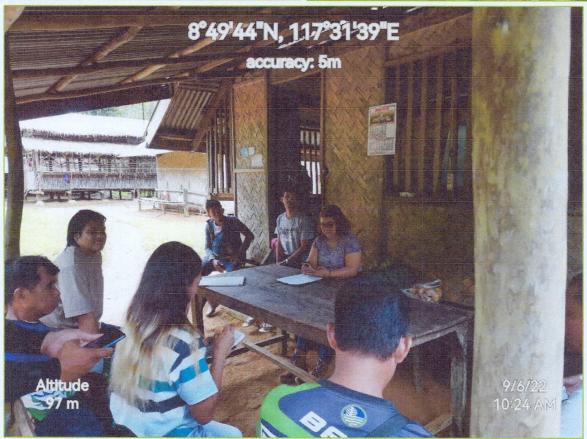


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Geotagged pictures above taken during the entry conference that was initiated by the personnel from DENR-CENRO Quezon in the lead of Forester Kathleene Khye Mozo, Compliance Monitoring Team Leader & participated in by representatives from Palawan State University (PSU) in the lead of Director Melissa Olit, Income Generating Projects (IGP).

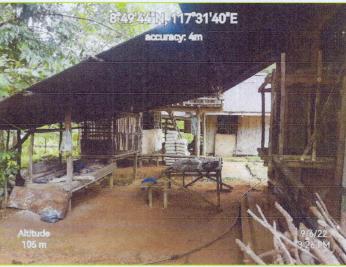


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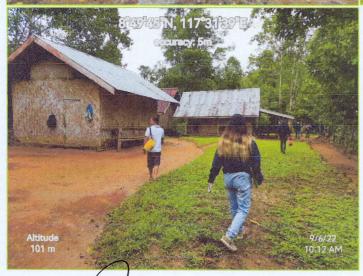
Email: cenroquezon@denr.gov.ph







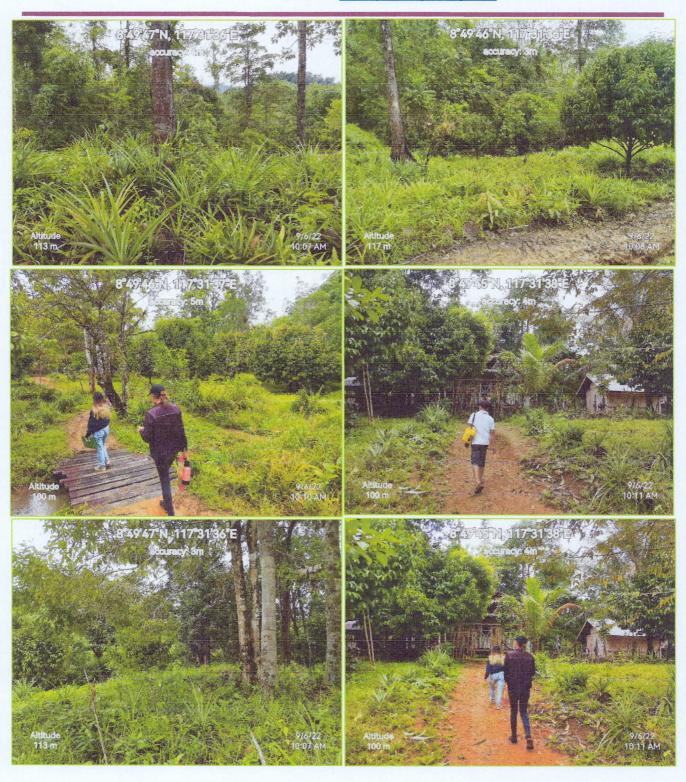




The geotagged pictures above showing the structures within the vicinity of the SIFMA, it was made of majority light materials.



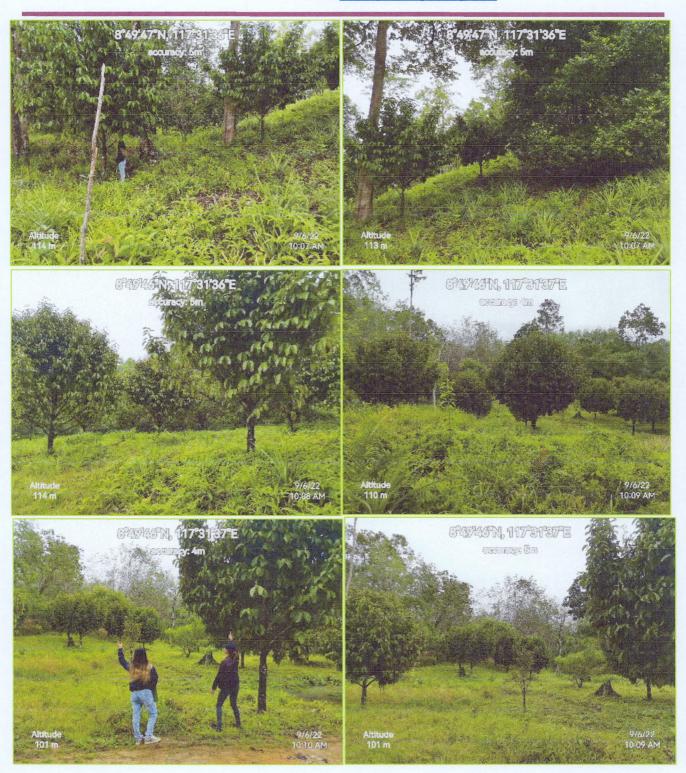
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Pineapple plantation of Palawan State University (PSU).



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Mangosteen Plantation of Palawan State University (PSU).



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Rubber Plantations of Palawan State University (PSU) under their SIFMA.





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Planted Ipil trees near the creek, in which dries up during oney season.



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Illegal activity observed inside the SIFMA, and it was already reported to Rizal Station.

## FOREST TENURE HOLDER PROFILE

| Holder Name:  | PALAWAN STATE UNIVERSITY   |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| Forest Tenure/ Pe   | ermit Type   |  |  |  |  |  |  |  |
| Integrated Forest<br>Management<br>Agreement (IFMA)             | Forest Landuse Agreement (FLAg) Special Land Use Permit (SLUP)   |  |  |  |  |  |  |  |
| Socialized Industrial<br>Forest Management<br>Agreement (SIFMA) |  |  |  |  |  |  |  |  |
| Forest land Grazing<br>Management<br>Agreement (FLGMA)          | Community-Based Forest Management Agreement (CBFMA)  Others:  please specify   |  |  |  |  |  |  |  |
| Holder Type: In   | dividual Corporation/ People's Organization Cooperative  |  |  |  |  |  |  |  |
| Instrument/ Permi   | t Code: R-IV-B-2006-PAL-006-QUE-001 Area (Hectares): 321.92  |  |  |  |  |  |  |  |
| Purpose: Establishment to support                               | nent and Management of Plantation of trees for the production of wood and other non-wood products manufacturing and processing facilities and/or to supply wood and energy requirements. |  |  |  |  |  |  |  |
| Date issued :   | 0 4 1 0 2 0 1 0 (Year)   |  |  |  |  |  |  |  |
| Date expired:   | 0 4 1 0 2 0 3 1 (Month) (Day) (Year)   |  |  |  |  |  |  |  |
| Date executed/<br>notarized :                                   | (Month) (Day) (Year)   |  |  |  |  |  |  |  |
| Annual Rental<br>(Php) :  | Government Share (Php) incurred  |  |  |  |  |  |  |  |
| Total Performance<br>Bond Deposit (Php)                         | Mode of Payment (Performance Bond)  Cash Bond: Surety Bond:  |  |  |  |  |  |  |  |
| Remarks:  |  |  |  |  |  |  |  |  |
| Location of the Fores   | st Tenure Area   |  |  |  |  |  |  |  |
| Region/s : M  | IMAROPA  |  |  |  |  |  |  |  |
| Province/s: P   | alawan   |  |  |  |  |  |  |  |
| Municipality/ies:   | Rizal  |  |  |  |  |  |  |  |
| Baranggays: Cul   | asian  |  |  |  |  |  |  |  |
| Sitio/s: Sumaga   | at,Tubaran and Dipanga   |  |  |  |  |  |  |  |

## HOLDER INFORMATION

| NOTE: for Individue                           | al Holders                     |   |               |  |             |
|---|--------------------------------|---|---------------|--|-------------|
| NAME OF THE<br>HOLDER                         | N/A                            | N/A   |               | N/A  |             |
|   | (First Name)                   |   | (Middle name) | (Last nam  | ne) (Suffix |
| SEX:  | Iale Female DAT<br>BIR         | TE OF TH  Month   | / Day         | /  | Year        |
| ADDRESS :                                     |                                |   |               |  |             |
|   | (Street)                       |   |               | (Barangay)   |             |
|   |                                |   |               |  |             |
|   | (City)                         |   |               | (Province)   | *           |
| REMARKS AND OTI                               | IER                            |   |               |  |             |
| Contact Information:                          |                                | ·····   |               |  |             |
| AUTHORIZE<br>REPRESENTATIVE                   |                                |   |               |  |             |
|   | (First Name)                   |   | (Middle name) | (Last nam  | ne) (Suffix |
| CELLPHONE NUMB                                | ER:                            |   | FAX NUMBER :  |  | ,           |
| EMAIL<br>ADDRESS:                             |                                |   |               |  |             |
| NOTE: Use this form                           | if the Holder is a Corporation | on/Association/Co   | operative     |  |             |
| NAME OF THE<br>CORPORATION /<br>ASSOCIATION : | PALAWAN STATE UNI\             | /ERSITY   |               |  |             |
| ADDRESS :                                     |                                | t to the Artificial Control of the State of Control of | Tiniguiban    | erry w noorda elem - ere prettier besome y en chants den de alemate en persona en autorio en |             |
|   | (Street)                       |   |               | (Barangay)   |             |
| Puer  | o Princesa City                |   | Palawan       |  |             |
|   | (City)                         |   |               | (Province)   |             |
| REGISTERING AGE                               | NCY:                           |   |               |  |             |
| REMARKS AND OT INFORMATION:                   | HER                            |   |               |  |             |
| Contact Information:                          |                                |   |               |  |             |
| AUTHORIZE<br>REPRESENTATIVE                   | Melissa Grace                  | Cata  | ain           | Olit   |             |
|   | (First Name)                   |   | (Middle name) | (Last name   | e) (Suffix) |
| CELLPHONE NUME                                | ER: 0997-602-8599              |   | FAX NUMBER:   |  |             |
| EMAIL<br>ADDRESS:                             | mgolit@psu.palawan.edu         | u.ph  |               |  |             |

|          | Plantin           | g Details         | 经基金债金 化丁基丁      | Proof       |                  |
|----------|-------------------|-------------------|-----------------|-------------|------------------|
| Activity | Forest<br>Species | Date<br>Conducted | Geotagged photo | Coordinates | Date photo taken |
| N/A      | N/A               | N/A               | N/A             | N/A         | N/A              |
|          |                   |                   |                 |             |                  |
|          |                   |                   |                 |             |                  |

| Nursery Operations   |        |                       |                    |             |                  |  |
|----------------------|--------|-----------------------|--------------------|-------------|------------------|--|
|                      |        |                       | Proof              |             |                  |  |
| Activity             | Number | Species               | Geotagged<br>photo | Coordinates | Date photo taken |  |
| Care and Maintenance |        | Abaca, Durian, Badak, |                    |             |                  |  |
|                      |        | Rubber and Rambutan,  |                    |             |                  |  |
|                      |        |                       |                    |             |                  |  |

| Forest Plantation Establishment |              |           |                  |         |                     |         |             |  |  |
|---------------------------------|--------------|-----------|------------------|---------|---------------------|---------|-------------|--|--|
|                                 |              |           | Planting Details |         |                     |         |             |  |  |
| Activity                        | sub activity | Area (Ha) | Date Planted     | Current | No. of<br>Seedlings | Spacing | Coordinates |  |  |
| N/A                             | N/A          | N/A       | N/A              | N/A     | N/A                 | N/A     | N/A         |  |  |
|                                 |              |           |                  |         |                     |         |             |  |  |

| Harvestin | g Operati | ion          |                |      | Harvesting De | taile   |                                    |   |       | Proof       |                     |
|-----------|-----------|--------------|----------------|------|---------------|---------|------------------------------------|---|-------|-------------|---------------------|
| Species   | Area (ha) | No. of trees | Volume<br>(m³) | ACC/ | Balance vol   | Spacing | Type of<br>Harvesting<br>Operation | Source<br>Inventory<br>and Permit,<br>if applicable | photo | Coordinates | Date photo<br>taken |
| Rubber    | 7.8       | 3, 900       |                |      |               |         |                                    |   |       |             |                     |
|           |           |              |                |      |               |         |                                    |   |       |             |                     |
|           |           |              |                |      |               |         |                                    |   |       |             |                     |

| Staff Information |          |     |  |  |  |  |  |  |
|-------------------|----------|-----|--|--|--|--|--|--|
| NAME              | Position | Sex |  |  |  |  |  |  |
|                   |          |     |  |  |  |  |  |  |
|                   |          |     |  |  |  |  |  |  |
|                   |          |     |  |  |  |  |  |  |
|                   |          |     |  |  |  |  |  |  |
|                   |          |     |  |  |  |  |  |  |

| Technical Assistance                   |                    |  |  |  |  |  |  |
|--|--------------------|--|--|--|--|--|--|
| Technical Assistance                   | Type Of Assistance |  |  |  |  |  |  |
| Forester (Agency or Consultant):       |                    |  |  |  |  |  |  |
| Other Environmental Officer or Agency: |                    |  |  |  |  |  |  |
| Other Necessary Agency/ Assistance:    |                    |  |  |  |  |  |  |

| Structural Improvements |          |         |                 |             |            |  |  |  |  |
|-------------------------|----------|---------|-----------------|-------------|------------|--|--|--|--|
| Description             | Area     | (Has.)  | Proof           |             |            |  |  |  |  |
| Description             | Previous | Current | Geotagged photo | Coordinates | Date taken |  |  |  |  |
|                         |          |         |                 |             | N/A        |  |  |  |  |
|                         |          |         |                 |             |            |  |  |  |  |
|                         |          |         |                 |             |            |  |  |  |  |
|                         |          |         |                 |             |            |  |  |  |  |
|                         |          |         |                 |             |            |  |  |  |  |
|                         |          |         |                 |             |            |  |  |  |  |

| Livestock Production |         |                |              |                 |             |                  |  |  |
|----------------------|---------|----------------|--------------|-----------------|-------------|------------------|--|--|
|                      | No. of  | No. of Animals |              | Proof           |             |                  |  |  |
| Species              | Current | Previous       | Total Amount | 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.)  |              | Proof           |             |                  |
|                 | Previous | Current | Total Amount | 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 | Damanka |  |  |  |  |  |
|   | Planted     | Maintained | Method/Practice | Remarks |  |  |  |  |  |
| N/A   | N/A         | N/A        | N/A             | N/A     |  |  |  |  |  |
|   |             |            |                 |         |  |  |  |  |  |
|   |             |            |                 |         |  |  |  |  |  |

| Pest and Disease         |                          |              |         |
|--------------------------|--------------------------|--------------|---------|
| Type of Pest and Disease | Method of Control        | Diagnosed By | Remarks |
| Termite                  | Application of Pesticide |              |         |
|                          |                          |              |         |
|                          |                          |              |         |

Grazing System Used (FLGMA)

| Rotational          | Cut and Carry |  |  |  |  |  |  |
|---------------------|---------------|--|--|--|--|--|--|
| Area of paddock     | Date          |  |  |  |  |  |  |
| No. of heads        | Species       |  |  |  |  |  |  |
| No. of grazing days | Weight        |  |  |  |  |  |  |

## COMPLIANCE DOCUMENTARY REQUIRMENTS

| CONDITIONS   | YES | NO | REMARKS   |
|--|-----|----|---|
| NCIP/ Certificate of Pre-condition   | 1   |    |   |
| Free and Prior Informed Consent  | 7   |    |   |
| Compliant to ECC-PD 1586,<br>Philippine Environmental Impact<br>Assessment/DAO 2003-30 |     | 口  | Operating without Environmental Compliance Certificate (ECC)              |
| Compliant to RA 6960, Toxic and<br>Hazardous Waste Act of 1999/DAO 1992-29             |     |    | Not registered/accredited as Hazardous<br>Wastes Generator                |
| Compliant to RA 8749,<br>Clean Air Act of 1999/ DAO 2000-81                            |     |    | N/A   |
| Compliant to RA 9003,<br>Ecological Solid Waste Management Act of<br>2000/ DAO 2001-34 |     | 口  | No Material Recovery Facility and trash bins installed/built in the area. |
| Compliant to RA 9275<br>Clean Air Act of 2004 / DAO 2003-10                            |     | 7  | No discharge permit   |
| Compliant to Water Code of the Philippines / Article No. 51 - PD 1067                  |     |    | N/A   |
| a) Within 3 meters in Urban Areas  |     |    |   |
| b) Within 20 meters in Agricultural Land   |     |    |   |
| c) Within 40 meters in Timberland Areas  |     |    |   |
|  |     |    |   |
|  |     |    |   |
|  |     |    |   |

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

|                      |        | Validity            | Remarks |  |  |
|----------------------|--------|---------------------|---------|--|--|
| Permit/Certification | Agency | Approval Expiration |         |  |  |
|                      |        |                     |         |  |  |
|                      |        |                     |         |  |  |
|                      |        |                     |         |  |  |
|                      |        |                     |         |  |  |
|                      |        |                     |         |  |  |
|                      |        |                     |         |  |  |
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| submitte               | he CDM<br>ed to DEI               |                                |              | (Month)  |                  | (Day)                       |   | THE PERSON NAMED OF THE PERSON    | (Year)                    |                    |  |  |  |  |  |  |
|------------------------|-----------------------------------|--------------------------------|--------------|--|------------------|-----------------------------|---|-----------------------------------|---------------------------|--------------------|--|--|--|--|--|--|
| Date of t              | he CDM                            | P approval                     |              | (Month)  |                  | (Day)                       |   |                                   | (Year)                    |                    |  |  |  |  |  |  |
| SUM                    | MAR                               | YOFAF                          | PRO          |  | REA              | (Day)                       |   |                                   | (lear)                    |                    |  |  |  |  |  |  |
| Present                | t vegeta                          | tive cover                     |              | Production Forest (Ha.)  |                  | (Prot                       | tection Forest (Ha  | 1.)                               | Others (inland            | water, roads etc.) |  |  |  |  |  |  |
| Development Activities |                                   |                                |              | (File attachment for the summary of plan and schedules per development activities) |                  |                             |   |                                   |                           |                    |  |  |  |  |  |  |
| Area (H                | las.) and                         | d Мар                          |              | (file attachment tab for map of the area)  |                  |                             |   |                                   |                           |                    |  |  |  |  |  |  |
| Plan Re<br>(if appl    |                                   |                                |              |  | (file            | attachmer                   | nt tab for ma   | ap of the a                       | area)                     |                    |  |  |  |  |  |  |
| DEVE                   | ELOP                              | MENT                           | AND          |  |                  |                             | YST   | EM                                |                           |                    |  |  |  |  |  |  |
|                        |                                   |                                |              | Tim  | ber Inver        | ntory                       |   |                                   |                           |                    |  |  |  |  |  |  |
| Species                | Species group Diameter class (cm) |                                |              | otal No.<br>of trees   | Total Vo         | lume                        | Geota   |                                   | Proposed Area Coordinates | Date photo taken   |  |  |  |  |  |  |
|                        |                                   |                                |              |  |                  |                             | Pill  |                                   |                           | tuncii             |  |  |  |  |  |  |
|                        |                                   |                                |              |  |                  |                             |   |                                   |                           |                    |  |  |  |  |  |  |
|                        |                                   |                                |              |  |                  |                             |   |                                   |                           |                    |  |  |  |  |  |  |
|                        |                                   |                                |              |  |                  |                             |   |                                   |                           |                    |  |  |  |  |  |  |
|                        |                                   |                                | A            | ctual Per  | manent li        | mprov                       | ement   |                                   |                           |                    |  |  |  |  |  |  |
|                        |                                   |                                |              |  |                  |                             | Cilicit   |                                   |                           |                    |  |  |  |  |  |  |
|                        | nfrastruc                         | cture                          | Area         |  |                  |                             |   | gged                              | Proposed Area             | Date photo         |  |  |  |  |  |  |
| Ir                     | nfrastruc                         | cture                          |              |  | Details          |                             | Geota <sub>g</sub>  |                                   | Proposed Area Coordinates | Date photo taken   |  |  |  |  |  |  |
| Ir                     | nfrastruc                         | cture                          | Area         |  |                  |                             | Geota   |                                   |                           |                    |  |  |  |  |  |  |
| Ir                     | nfrastruc                         | cture                          | Area         |  |                  |                             | Geota   |                                   |                           |                    |  |  |  |  |  |  |
| Ir                     | nfrastruc                         | cture                          | Area         |  |                  |                             | Geota   |                                   |                           |                    |  |  |  |  |  |  |
| Ir                     | nfrastruc                         | cture                          | Area         |  |                  |                             | Geota   |                                   |                           |                    |  |  |  |  |  |  |
| Ir                     | nfrastruc                         |                                | Area<br>(Ha) |  | Details          |                             | Geotag<br>pho   | to                                | Coordinates               |                    |  |  |  |  |  |  |
|                        | Do                                | Ac<br>evelopment               | Area<br>(Ha) |  | Details          |                             | Geotag<br>pho   | to                                | Coordinates               |                    |  |  |  |  |  |  |
| Year                   | Do                                | Ac                             | Area<br>(Ha) | nagemer  | Details          |                             | Geotag<br>pho<br>pment  | Activ                             | Coordinates               | taken              |  |  |  |  |  |  |
|                        | Do                                | Ac<br>evelopment               | Area<br>(Ha) | nagemer  | Details          |                             | Geotag<br>pho<br>pment  | Activ                             | Coordinates               | taken              |  |  |  |  |  |  |
|                        | Do                                | Ac<br>evelopment               | Area<br>(Ha) | nagemer  | Details          |                             | Geotag<br>pho<br>pment  | Activ                             | Coordinates               | taken              |  |  |  |  |  |  |
|                        | Do                                | Ac<br>evelopment               | Area<br>(Ha) | nagemer  | Details          |                             | Geotag<br>pho<br>pment  | Activ                             | Coordinates               | taken              |  |  |  |  |  |  |
|                        | Do                                | Ac<br>evelopment               | Area<br>(Ha) | nagemer  | Details          |                             | Geotag<br>pho<br>pment  | Activ                             | Coordinates               | taken              |  |  |  |  |  |  |
|                        | Do                                | Ac<br>evelopment               | Area<br>(Ha) | nagemer  | nt and D         | evelo                       | Geotag<br>pho<br>pment  | Activ                             | Coordinates               | taken              |  |  |  |  |  |  |
|                        | Do                                | Ac<br>evelopment               | Area (Ha)    | nagemer  | nt and D         | evelo                       | Geotag<br>pho<br>pment<br>M   | Active                            | ity and/or Strates        | taken              |  |  |  |  |  |  |
| Year                   | Do                                | Ac<br>evelopment<br>nagement A | Area (Ha)    | I Harvest  Rubbe from M  | nt and Dod Cover | evelo  arted three lesday a | pment  Metalogical description of the metalogical description | Active thod ities nd/or norning a | Coordinates               | taken<br>By        |  |  |  |  |  |  |

| Monitoring and Quality Control |                        |  |  |  |  |  |  |
|--------------------------------|------------------------|--|--|--|--|--|--|
| Activity                       | Method and/or Strategy |  |  |  |  |  |  |
|                                |                        |  |  |  |  |  |  |
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|         | MARKETING ASPECT |                      |             |               |  |  |  |  |  |  |  |  |
|---------|------------------|----------------------|-------------|---------------|--|--|--|--|--|--|--|--|
| Product | Quantity         | Estimated Price/ Qty | Total Sales | Market Outlet |  |  |  |  |  |  |  |  |
|         |                  |                      |             |               |  |  |  |  |  |  |  |  |
|         |                  |                      |             |               |  |  |  |  |  |  |  |  |
|         |                  |                      |             |               |  |  |  |  |  |  |  |  |
|         |                  |                      |             |               |  |  |  |  |  |  |  |  |
|         |                  |                      |             |               |  |  |  |  |  |  |  |  |

| Actual Production and Sales for 25-Year Operation |         |                       |               |                    |  |  |  |  |  |  |
|---|---------|-----------------------|---------------|--------------------|--|--|--|--|--|--|
| Year  | 医 建 等 意 | Production            |               |                    |  |  |  |  |  |  |
| 1 eai   | Species | Quantity              | Volume (sq.m) | Projected Sales    |  |  |  |  |  |  |
| Year2017  | Rubber  | 13, 000 kilograms     |               |                    |  |  |  |  |  |  |
| Total   |         |                       |               | 910, 000.00 php    |  |  |  |  |  |  |
| Year2018  | Rubber  | 20, 000.00 kilograms  |               |                    |  |  |  |  |  |  |
| Total   |         |                       |               | 1, 100, 000.00 php |  |  |  |  |  |  |
| Year2019  | Rubber  | 19,298.09 kilograms   |               |                    |  |  |  |  |  |  |
| Total   |         |                       |               | 1, 312, 268.76 php |  |  |  |  |  |  |
| Year2022  | Rubber  | 65, 000 kilograms     |               |                    |  |  |  |  |  |  |
| Total   |         |                       |               | 3, 331, 250.00 php |  |  |  |  |  |  |
| Year  |         |                       |               |                    |  |  |  |  |  |  |
| Total   |         | 117, 298.09 kilograms |               | 6, 653, 518.76 php |  |  |  |  |  |  |

| GANTT     | GANTT CHART OF ACTIVITIES FOR THE TWENTY FIVE (25) YEAR OPERATION UNDERTAKEN |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|-----------|--|----------------------|-----|-----|--|-----|----|-----|------|---|------------|--|--|--|---|----|----|-----|---|---|------------|--|--|---|--|
| Component |  | Development Timeline |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
| Activity  |  | YF                   | 2 1 | - 5 |  | ,   | YR | 6 - | - 10 | ) | YR 11 - 15 |  |  |  | Y | 'R | 16 | - 2 | 0 | Y | YR 21 - 25 |  |  | 5 |  |
|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|           |  |                      |     |     |  | 792 |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
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|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |
|           |  |                      |     |     |  |     |    |     |      |   |            |  |  |  |   |    |    |     |   |   |            |  |  |   |  |