

BUTTERFLY FARMING PROJECT
Initial Environmental Examination (IEE) Report

for

(Project Name or Title)

Below is the IEE Report Checklist for butterfly farming project proponents. Read the questions carefully before answering in the space provided. Use additional sheets if necessary, and indicate this in the appropriate space.

Misleading or erroneous answers can be a ground for legal action and/ or denial of the Environmental Compliance Certificate (ECC).

PROJECT LOCATION : _____

(Complete Address : Street, Barangay, Municipality/City, Province)

NAME OF PROPONENT : _____

ADDRESS : _____

(Complete Address : Street, Barangay, Municipality/City, Province)

TELEPHONE : _____

FAX : _____ E-MAIL : _____

A. GENERAL INFORMATION

1. Project Ownership (Attach supporting document as **Annex 1**)

- Single Proprietorship
- Partnership
- Corporation
- Cooperative
- Partnership/Joint Venture

2. Capitalization and Project Cost

Capitalization: _____ *Pesos* Date Started : _____
Project Cost : _____ *(Pesos)*

Mode of Financing : In-house Bank Others _____

3. Project Ownership

List of Owners (for partnership/corporation, list top 5 partners/shareholders with largest holdings)			
Name/ Position	Citizenship	Address	% Share/holdings

Other related businesses (List down similar projects undertaken/ handled by proponent, both local and international)			
Project Name	Date (inclusive)	Project Description	Involvement/ Experiences

B. PROJECT OBJECTIVES

General :

Specific :

C. PROJECT DESCRIPTION

1. **Land Ownership** (attach photocopies of documents in the space provided)

Total land area (sq. m.)

Land Area to be developed (sq. m.)

Period of Possession (yrs.)

Basis for Land Possession
(please check appropriate box)

ownership of the land by virtue of
OCT or TCT # _____
(Attach photocopy of document as **Annex 2a**)

stewardship of land by virtue of

(Attach photocopy of document as **Annex 2b**)

lease of the land by virtue of

(Attach photocopy of document as **Annex2c**)

pending application for _____
(Attach photocopy of document as **Annex 2d**)

Others, please specify _____
(Attach photocopy of document as **Annex2e**)

2. Land Use

Existing Land Use : _____

Approved Land Use :

- Residential
- Commercial
- Industrial
 - Light
 - Heavy
- Institutional
- Built-Up
- Agricultural
- Conversion Approved by DAR Yes No
- Forest Land

Comprehensive Land Use Plan : Approved No

Locational Clearance : Granted No
(Attach as **Annex 3**)

Issued by : HLURB Deputized Zoning Administrator

3. Brief Description of Operation

(Attach schematic diagram of process flow as **Annex 4**)

4. Project Area

Panoramic View of Project Site

(Picture)

Front View of Project Site

(Picture)

Left Side View of Project Site

(Picture)

Right Side View of Project Site

(Picture)

Rear View of Project Site

(Picture)

5. Project Components/ Activities
(Attach Site Development Plan as **Annex 5**)

Ref. No.	Components/ Activities	Brief Description
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		

6. Project Scale

a. Schedule of Project Development (Attach Gantt Chart of Project Timetable as **Annex 6**)

b. Production Capacity

Type	Size	Volume

c. Source of Raw Materials

No.	Name of Concessionaire	Address	Location of Quarry	ECC No.	Volume Supplied

7. List of Equipment/ Facilities (Attach photos as **Annex 7**)

Ref. No.	Equipment/ Facilities	Specification/ Description
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

8. Water Utilities (Attach photo/layout)

No. of units	Source/ Methods	Volume Capacity (cu. m.) / Depth (m.)
	Rainwater, collected in storage tank (indicate tank capacity)	
	Rainwater, collected in reservoir/impounding structure (indicate tank capacity)	
	Groundwater, open dug well (indicate depth)	
	Groundwater, dug well close with manual pump (indicate depth)	
	Groundwater, dug well close with motor pump (indicate depth/HP)	
	Groundwater, drilled well with manual pump (indicate depth)	
	Groundwater, drilled well close with motor pump (indicate depth/HP)	
	Natural Spring	
	Surface Water	
	Local Water District	
	Others, please specify	
Total volume of water extracted /utilized per day (maximum)		

Water requirement :

Development Phase : _____cu. m./day

Operation Phase : _____cu. m./day

NWRB Permit : Approved No

Water Treatment

Is there provision for water treatment ?

Chlorination Filtration Others, _____

Photo of Water Utilities

(Picture)

9. Power Utilities

No. of units	Source/ Methods	Capacity
	Generator for electricity (indicate HP/ number of hours of operation or use)	
	Local electric utility (indicate monthly consumption - kW-Hr, maximum)	
	Kerosene/Gas (maximum monthly consumption in liters)	
	LPG (maximum monthly consumption)	
	Others, please specify	

Photo of Power Utilities

(Picture)

10. Manpower Profile

(Use additional sheets, if necessary)

Total number of manpower : _____

Age/ Gender	Male	Female
< 15		
16-20		
21-25		
26-30		
31-35		
36-45		
> 45		

Classification of Employees/ Workers	Number
<i>Indigenous people</i>	
Aetas	
<i>Vulnerable groups</i>	
Children	
Handicapped	

- How many of the staff are local residents?
- How many of the staff are migrant workers?

Salary Profile (Php/ month)	Male	Female
< 2,000		
2,001 - 3,000		
3,001 - 4,000		
4,001 - 5,000		
5,001 - 7,000		
7,000 - 10,000		
> 10,000		

Educational Attainment	Male	Female
None		
Elementary		
High school		
College		
Vocational		
Others		

- Are there health facilities (clinic, etc.) within the project site? Yes No
- Do the staff receive the necessary benefits provided by the Labor Code and other applicable regulations? Yes No

D. DESCRIPTION OF ENVIRONMENTAL SETTING

1. PHYSICAL ENVIRONMENT		ANSWER	
Components/ Parameters	Description	Y	N
Terrain	Is the terrain flat or level ?		
	Is the terrain undulating ? If yes, what's the slope ? θ 3 - 18% (rolling) θ 18 - 30 % (moderately steep) θ 30 - 50 % (steeply mountainous) θ Above 50% (very steeply mountainous)		
Forest Reserve/Watershed	Is the project site located near or within a forest reserve/watershed/protected area? If yes, how near? _____ meters.		
Caves	Are there caves, limestone caverns or sinkholes at the project site? If yes, describe features under Annex 8)		
Coastal	Is the project site located along coastal area/tidal zone? If yes, how near? _____ m. Is the project site prone to storm/tidal surges?		
Geology	Is the area prone to soil erosion? If yes, status? θ slight θ moderate θ severe		
	Are there existing natural hazards in the area? (e.g. landslides, gullyng, subsidence) If yes, describe :		
Hydrology	Are there natural drainageways/creeks within the area draining towards communities downstream?		
	Is the site within a recharge area of springs downstream?		
	Is the project site located in the vicinity of a water supply source? If yes, please specify _____ _____		
	Is the site situated along a flood prone/storm surge area?		
Surface Water	Are there water bodies along or near the project site? If yes, identify: _____ Classification: _____		

- How deep is the water table during the dry season? (meters)
- How deep is the water table during the wet season? (meters)
- What is the quality of water?
 - θ Fresh
 - θ Brackish
 - θ Saline/Salty

2. NATURAL/ BIOLOGICAL ENVIRONMENT		ANSWER	
Components/ Parameters	Description	Y	N
Natural Ecosystem	Is the project site located immediately adjacent		

	to a natural ecosystem? If yes, please check on the appropriate box(es) : <input type="checkbox"/> Forest <input type="checkbox"/> Grassland <input type="checkbox"/> Coastal/Marine <input type="checkbox"/> Mangrove <input type="checkbox"/> Marshland <input type="checkbox"/> Wetland <input type="checkbox"/> Others, pls. specify		
Wildlife	Had you observe any wildlife in the area? If yes, please identify and enumerate : 1. 2. 3. 4. 5.		
Vegetation	Are there important trees/vegetation within the project area? If yes, please identify and enumerate. 1. 2. 3. 4. 5.		
3. SOCIO-ECONOMIC ENVIRONMENT		ANSWER	
Components/ Parameters	Description	Y	N
Land Use	Is the project site located in accordance with approved land use plan?		
Settlement	Are there existing settlements/tenants within or along the project area? If yes, how many? _____		
Archaeology/Heritage	Is the project site located along an area of historical/archaeological significance? If yes, please identify and enumerate. 1. 2. 3. 4. 5.		
Aesthetics	Is the project site located within a potential or existing tourist spots?		
Housing	What are existing dwellings made of ? <input type="checkbox"/> Temporary <input type="checkbox"/> Semi-permanent <input type="checkbox"/> Permanent		

A. PROJECT IMPACTS

Degree of Impact						
+	Positive	H	High Impact	D	Direct	R Reversible

(Use additional sheets, if necessary)

IEE Checklist Report for Butterfly Farming Project

-	Negative	Ma	Major Impact	I	Indirect	Ir	Irreversible
o	No Impact	Mo	Moderate Impact	C	Cumulative	LT	Long Term
		N	Negligible Impact	S	Synergistic	ST	Short Term
		U	Unknown Impact				

<i>Activity/ Components/ Parameters</i>	<i>Answer</i>		<i>Degree of Impact</i>	<i>Description of Impacts</i>	<i>Description of Mitigating/ Enhancement Measures</i>
	Yes	No			
Site Development Phase					
Land clearing					
Vegetation/Tree Cutting/ Removal					
Earthworks					
Excavation/ Backfilling					
Aggregates Quarrying					
Drilling/Boring and Hammering Activities					
Slope Modification/ Ground Leveling					
Air Quality					
Noise					
Water Quality					

Traffic Volume					
Traffic/ Public Access					
Economic Activity					
Employment Opportunities					
Displacement of Inhabitants/ Settlers					
Encroachment on Ancestral Domain					
Indigenous People					
Women/ Vulnerable Groups					
Solid Waste Generation					
Wastewater Generation					
Water Demand					
Surface Run-off					
Ground Infiltration Rate					
Landscape					
Chemical Contamination					
Hazardous Waste Generation					

Population Migration					
Public Access					
Construction Phase					
Air Quality					
Noise					
Water Quality					
Traffic Volume					
Traffic/ Public Access					
Economic Activity					
Employment Opportunities					
Solid Waste Generation					
Wastewater Generation					
Water Demand					
Surface Run-off					
Ground Infiltration Rate					
Chemical Contamination					
Hazardous Waste Generation					

Population Migration					
Public Access					
Operation Phase					
Air Quality					
Noise					
Water Quality					
Traffic Volume					
Traffic/ Public Access					
Economic Activity					
Employment Opportunities					
Solid Waste Generation					
Wastewater Generation					
Water Demand					
Surface Run-off					
Ground Infiltration Rate					
Chemical Contamination					

Hazardous Waste Generation					
Population Migration					
Values					
Public Access					
Abandonment Phase (Attach Abandonment Plan as Annex 9)					
Demolition Wastes					
Noise					
Re-vegetation					
Disposal Site Rehabilitation					

F. ENVIRONMENTAL IMPACT MITIGATING MEASURES

1. Description of Wastes Generated

Waste Stream	Type (Solid, Liquid, or Hazardous)	Quantity	Method of Handling/ Storage/ Treatment/ Disposal

2. Description of Waste Water Treatment Facility (Attach schematic diagram of treatment scheme as **Annex 10**)

Components	Pollutant of Concern	Size/ Volume	% Reduction of Pollutant

3. Solid Waste/ Sludge Management

Collection by LGU Sanitation Unit :

Volume per Collection : _____ cu. m.
 Frequency of collection : _____/week

Burning :

Volume per burning : _____ cu. m.
 Frequency of burning : _____/week

Composting

Volume per composting : _____ cu. m.
 Frequency of composting : _____/week

Landfill

Volume per burial : _____ cu. m.
 Frequency of burial : _____/week

Others, please specify

Volume per cycle : _____ cu. m.
 Frequency of cycle : _____/week

4. Air Pollution Control System

Air Pollution Source	Air Pollutant of Concern	Concentration Level	Pollution Control System

5. Noise Emission Control System

Noise Emission Source	Noise Emission Level	Noise Control System/ Measures

G. ENVIRONMENTAL MONITORING PROGRAM

Project Activity	Parameter	Location	Frequency	Responsibility	Cost
Site Development	TSP				
	Noise Level				
	Solid Waste				
	Vegetation				
Plant Operation	TSP				
	TSS				
	TS				
	pH				
	Sludge				
	Solid Waste				
Post Operation	Raw Material				
	Trees Planted				
	Disposal Site Rehab				

H. PROPONENT’S COMMITMENTS

Are you committing yourself to ...	YES	NO	BUDGET ALLOCATION
1. Comply with existing environmental rules and regulations, guidelines and criteria			
2. Participate or support multi-partite monitoring efforts			
3. Construct, maintain and operate properly appropriate wastewater treatment facility			
4. Provide adequate facilities to ensure proper management of solid wastes			
5. Maintain cleanliness and good housekeeping of your general surrounding			
6. Extend social benefits to the community			
7. Disseminate to all plant personnel the conditions of the ECC, commitment and agreements made in relation to this project.			
8. Others, please specify.			

I. ATTACHMENTS

1. Supporting Documents

	Attached?
Letter of Application	
Location/Vicinity Map	
Survey Plan	
SEC Registration and Article of Incorporation	Annex 1
Photocopy of TCT/OCT/TD	Annex 2
Locational Clearance	Annex 3
Process Flow Schematic Diagram	Annex 4
Site Development Plan	Annex 5
Schedule of Project Implementation	Annex 6
Pictures of Equipment and Facilities	Annex 7
Other details/features	Annex 8
Abandonment Plan	Annex 9
Wastewater Treatment Scheme	Annex 10
Others	

2. Government Permits and Clearances

	Attached?
Endorsement from Local Government Units Concerned	
Barangay	
Municipal	
NWRB Permit	
Others	

ACCOUNTABILITY STATEMENT

This is to certify that all the information and commitments in this Initial Environmental Examination (IEE) Report are true, accurate and complete. Should I /we learn of any information which would make the IEE inaccurate, I/we shall bring said information to the attention of the Environmental Management Bureau & Protected Areas Sector (EMPAS) of DENR (Region VI) Regional Office.

I/We hereby bind myself/ourselves jointly and solidarily for any penalties that may be imposed arising from any misrepresentations or failure to state material information in the IEE.

In witness whereof, we hereby set out hands this _____ day of _____
_____ at _____.

Project Proponent

Title/Designation

ACKNOWLEDGEMENT

BEFORE ME this _____ day of _____, 19____ at _____ personally appeared _____
With Community Tax Certificate No. _____ issued on _____
At _____ in his/her capacity as _____
_____ of _____ and
acknowledged to me that this IEE Report is voluntary act and deed, and the voluntary act and deed of the entity he/she represents. This document, which consists of _____ pages, including the page on which this acknowledgement is written, is an Initial Environmental Examination Report Checklist.

Notary Public

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

