Ecofia
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Ecofia Perilla Oil

PRODUCTION PROJECT

Executive Summary

Ecofia is an innovative agribusiness enterprise in Bangladesh focusing on the cultivation, processing, and commercialization of **Perilla frutescens,** a high-value oilseed crop rich in Omega-3 fatty acids. The project aims to establish a small-scale **cold-pressed Perilla oil production and packaging facility** that will supply premium edible oil to the domestic and international markets.

Perilla oil is considered a **health-focused edible** oil due to its high Alpha-Linolenic Acid (ALA) content and antioxidant properties. With increasing consumer demand for natural and plant-based oils, Ecofia aims to introduce a sustainable and profitable agro-processing model that integrates farming, processing, branding, and marketing.

The project will also create employment opportunities and empower local farmers through contract farming.

Company Overview

Company Name: Ecofia
Business Type: Agribusiness & Edible Oil Processing
Product: Cold-Pressed Perilla Oil

Ecofia is a forward-thinking agricultural enterprise pioneering the cultivation and commercialization of Perilla frutescens in Bangladesh. The company integrates the entire value chain—from seed cultivation and research to oil extraction, packaging, branding, and marketing.

The company's mission is to:

- Promote sustainable agriculture
- Reduce dependency on imported edible oil
- Empower rural farmers
- Introduce high-value agricultural products

Ecofia aims to position Bangladesh as a producer of premium plant-based Omega-3 oil.

Promoter / Founder

– Sayed Roknuzzaman

Founder & CEO

Sayed Roknuzzaman is an entrepreneur who transitioned from corporate life to agribusiness in order to promote sustainable agriculture and rural economic development.

Under his leadership:

- Perilla cultivation was initiated in northern Bangladesh
- Contract farming networks were developed
- Ecofia began producing premium Perilla oil

His vision is to establish Perilla oil as a **signature Bangladeshi health product.**

Project Objectives

The key objectives of the project are:

1. Establish a Perilla oil extraction and packaging facility
2. Produce premium cold-pressed edible oil
3. Promote sustainable farming practices
4. Generate rural employment
5. Create value-added agricultural products
6. Develop domestic and export markets

Product Description

Ecofia Perilla Oil

Perilla oil is a plant-based edible oil extracted from **Perilla frutescens seeds.**

Key characteristics:

- Up to **60% Omega-3 fatty acids**
- Rich in antioxidants
- Cholesterol free
- High nutritional value
- Light flavor suitable for cooking and salads

Uses include:

- Healthy cooking oil
- Nutritional supplements
- Functional food products
- Wellness and health markets

Project Cost Estimate

Item	Amount (BDT)
Seed Purchase & Transportation	1,000,000
Machine	40,000
Mill / Processing	30,000
BSCIC Approval	30,000
BSTI Certificate	20,000
EPB Certificate	30,000
Project Profile	100,000
Website Development	50,000
Domain & Hosting	25,000
Business Profile	15,000
Branding & Marketing	200,000
Bottle Cost	114,240
Label & Labour	28,560
Oil Production Labour	25,000
Workers	50,000
Factory Rent + utility Bill	144,000

Total Project Investment	1,901,800 BDT

Production Process

The production process consists of the following stages:

1. Seed procurement from farmers
2. Cleaning and drying of seeds
3. Cold-press oil extraction
4. Filtration and purification
5. Bottling and labeling
6. Packaging and distribution

Cold-press technology ensures maximum preservation of nutrients and natural flavor.

Production & Revenue Estimation

Oil Production	
Oil Production	1700 liters
Selling Price	1450 BDT per liter
Revenue from Oil	1428 × 1450
	2,465,000 BDT

Oil cake production	
Oil cake production	4300 kg
Selling price	35 BDT per kg
Revenue from Oil Cake	4300 × 35
	150,500 BDT

Total Revenue (Annual)	
Oil Sales	**2,465,000**
Oil Cake Sales	**150,500**
Total Revenue	**2,615,500 BDT**

Annual Profit Estimation

Total Revenue	2,615,500 BDT
Total Cost	1,901,800 BDT
Net Profit	**713,700 BDT per year**

Five-Year Financial Projection

(Revenue growth assumed at 10% annually)

Year	Revenue	Expense	Net Profit
Year 1	2,615,500	1,901,800	713,700
Year 2	2,877,050	1,544,000	1,333,050
Year 3	3,164,755	1,544,000	1,620,755
Year 4	3,481,230	1,544,000	1,937,230
Year 5	3,829,353	1,544,000	2,285,353
Total 5-Year Profit			**7,890,088 BDT**

ROI Calculation

ROI Formula:
ROI = (Annual Profit ÷ Investment) × 100
ROI = 713,700 ÷ 1,901,800 × 100
ROI ≈ 37.5%

Payback Period

Payback Period	=	Investment ÷ Annual Profit
		1,901,800 ÷ 713,700
Payback Period	≈	**2.6 Years**

Due to revenue growth, the practical payback period is expected within 3 years.

Employment Generation

The project will create employment opportunities for:

- Production workers
- Packaging staff
- Marketing personnel
- Distribution staff

Direct employment: 8–10 people

Indirect employment:

- Farmers through contract farming
- Agricultural supply chain workers

Economic & Social Impact

The project will contribute to:

- Reducing edible oil imports
- Increasing farmer income
- Promoting sustainable agriculture
- Creating rural employment
- Introducing a premium Bangladeshi health oil

Conclusion

Ecofia’s Perilla Oil Project represents a **high-value agro-processing opportunity** with strong market demand, sustainable farming practices, and attractive financial returns.

With an ROI of approximately **37.5%** and increasing market demand for healthy plant-based oils, the project is financially viable and suitable for **SME or agricultural bank financing.**

The requested bank loan will enable Ecofia to establish production capacity, strengthen branding, and expand into both domestic and export markets.

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