

สสว **THAI SME-GP** **หอการค้าจังหวัดชัยภูมิ** **THAILAND BOARD OF INVESTMENT**

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The Community of Bio-Organic Fertilizer Plant Enterprise Chaiphum

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BIO ORGANIC **SUSTAINABLE** **GO GREEN**

ปุ๋ยอินทรีย์คุณภาพ เพื่อเกษตรกรรมยั่งยืน
 ส่งเสริมเศรษฐกิจชุมชน คืนความอุดมสมบูรณ์ให้แผ่นดิน

REVISED ENGLISH MASTER - DRAFT FOR DISCUSSION

BIO-NO BURN™ CBAM Readiness and Low-Carbon Agricultural Supply Chain

A field-based MRV, carbon-data and market-linkage initiative for Thailand-EU supply chains

Proponent	Community of Bio-Organic Fertilizer Plant Enterprise Chaiphum
Primary area	Phakdi Chumphon, Nong Bua Daeng and Kaset Sombun districts, Chaiyaphum Province
Document status	REVISED ENGLISH MASTER - DRAFT FOR DISCUSSION

Prepared on 11 August 2026

IMPORTANT: This proposal does not assert that the Community Enterprise or its products are automatically subject to, certified under, or compliant with CBAM. Product scope must be confirmed by HS/CN classification. Avoided burning, CSR outcomes and carbon credits cannot automatically be deducted from CBAM embedded emissions or certificate obligations.

Executive Summary

The Community Enterprise proposes a 12-month BIO-NO BURN™ CBAM Readiness and Low-Carbon Agricultural Supply Chain pilot. It converts existing field action - no-burn residue management, organic composting, soil restoration, PM2.5 reduction and plot traceability - into a measurable, reportable and verification-ready data system.

The Community Enterprise would act as a field implementation and carbon-data partner. It would not replace the legal responsibilities of an authorised EU CBAM declarant, installation operator, accredited verifier or customs adviser. Where CBAM does not directly apply, the same system can support corporate Scope 3 engagement, circular-economy programmes, carbon-footprint work and credible ESG reporting.

Proposed 12-month pilot outcomes

- HS/CN and CBAM screening for at least three products or supply-chain interfaces.
- An operational MRV manual and traceable monthly data records.
- A pilot organisational carbon footprint (CFO) and at least one product carbon footprint (CFP), subject to the selected standards and verification stage.
- A Thai-English Carbon Data Package for corporate and EU-facing partners.
- At least two formal collaboration pathways with technical institutions, companies, exporters or business networks.

1. Rationale and Regulatory Positioning

The EU Carbon Border Adjustment Mechanism prices embedded greenhouse-gas emissions in selected imported goods. Current scope includes certain goods in cement, iron and steel, aluminium, fertilisers, electricity and hydrogen identified by CN codes. The definitive regime applies from 1 January 2026. BIO-NO BURN™ is positioned as a readiness and supply-chain initiative, not as a CBAM offset project.

2. Canonical Baseline and Delivery Capacity

Canonical item	FY 2025/2026 result	FY 2026/2027 target / status
Area	2,500 rai under implementation	5,000 rai expansion target
Participants	About 200 households / approximately 500 people in the wider network	500 participating farmers; next-stage ambition 1,000 households
No-burn policy	100% policy announced for the pilot area	Maintain and independently document compliance
Organic compost model	1,000 tonnes at 2 tonnes per 5 rai	2,000 tonnes at 2 tonnes per 5 rai
Estimated net GHG reduction	1,237,995 kgCO ₂ e (94.14%)	2,475,990 kgCO ₂ e target-scale estimate (94.14%)
Evidence status	Project estimates; records still require reconciliation	Independent validation/verification pathway required

The figures above are the canonical website dataset. Reported reductions are project performance estimates, not issued carbon credits. Compost quantities must be reconciled against weighbridge tickets and production records before assurance-level use.

3. Objectives

1. Build an MRV system covering residues, production, energy, transport, plots and product use.

2. Determine direct or indirect CBAM relevance through HS/CN screening and production-route review.
3. Prepare the Community Enterprise for CFO, CFP and partner-facing carbon-data requirements.
4. Create a field pilot that companies can support through supply-chain, Scope 3, CSR or ESG cooperation.
5. Develop BIO-NO BURN™ as a low-carbon agriculture and circular-resource learning platform while protecting proprietary knowledge.

4. Workstreams

Workstream	Core activities	Output
A	Product composition review, HS/CN screening, destination and importer mapping	CBAM relevance and gap report
B	Registers for biomass, energy, fuels, transport, production, plots and evidence	MRV Manual and data system
C	Boundary setting, emission factors, CFO/CFP pilot and hotspot analysis	Carbon baseline and reduction plan
D	Data-quality review, corrective action and pre-verification	Verification-ready evidence file
E	Partner data pack, meetings and pilot-agreement development	Partnership pipeline and bilingual Carbon Data Package

5. Minimum MRV Dataset

Data category	Minimum fields	Evidence
Biomass	Type, source, weight, moisture and receipt date	Weighing record, geotag and delivery note
Production	Input-output balance, batch, yield and waste	Production and stock records; no secret formula
Energy	Electricity, fuel and operating hours	Bills, meters and fuel issue records
Transport	Origin, destination, distance, vehicle and load	Delivery note and GPS/map record
Plots	Coordinates, area, crop, former and new practice	Plot registry and before-after evidence
Governance	Recorder, reviewer, revision date and version	Audit trail and document register

6. Twelve-Month Implementation Plan

Timing	Main activities	Milestone
Months 1-2	Governance setup; product, HS/CN and data-gap screening	CBAM Screening Report
Months 3-4	Boundary setting, MRV forms and recorder training	MRV Manual v1
Months 5-7	Live data collection and monthly quality checks	At least 3 continuous months of data
Months 8-9	Pilot CFO/CFP calculation and hotspot analysis	Draft Carbon Baseline
Month 10	Reduction plan and Thai-English partner package	Carbon Data Package
Month 11	Expert pre-verification and corrective actions	Corrective Action Log
Month 12	Pilot report, partner review and scale-up decision	Pilot Completion Report

7. Key Performance Indicators

Indicator	Pilot target	Means of verification
Products screened	At least 3	Classification/adviser record
MRV completeness	At least 90% of mandatory fields	Data-quality review
Carbon accounting	1 CFO and at least 1 pilot CFP	Calculation and verification-stage report
Trained personnel	At least 20	Attendance and assessment
Traceable plots	Target fixed after Month 1 baseline	Plot register and sampling
Collaboration pathways	At least 2	LOI, MOU, service agreement or pilot contract

8. Indicative Budget Framework

Budget line	Indicative share	Purpose
HS/CN and CBAM technical screening	10%	Customs/classification and regulatory expertise
MRV system and data infrastructure	25%	Forms, tools, digital records and QA
Field survey and capacity building	20%	Plot survey, travel and training
CFO/CFP and verification preparation	25%	Calculation, expert review and verification
Partner package and matchmaking	10%	Bilingual materials and technical meetings
Project management and contingency	10%	Coordination, monitoring and justified contingencies

Proposed total budget: THB [to be agreed] | Funding/partner: [to be agreed] | Duration: 12 months

9. Governance, Safeguards and Claims Control

- Use “CBAM readiness” and “supporting low-carbon supply chains” until direct product scope is confirmed.
- Do not use “CBAM certified” as a general label for BIO-NO BURN™ or the Community Enterprise.
- Keep project impact accounts separate from CBAM embedded-emissions calculations and carbon-credit claims.
- State boundaries, year, method, evidence status and verification status whenever carbon figures are published.
- Protect farmer personal data, microbial know-how, formulations and confidential processes through access controls and written confidentiality terms.
- Land-use rights in the target plots must be checked individually; project information indicates use documents such as S.P.K., BDS.10 or BDS.07 rather than Chanote or Nor Sor 3.

10. Strategic Partnership and Engagement Plan

Priority partner group	Proposed request	Preferred result
TGO and qualified carbon/verification organizations	MRV, CFO/CFP, methodology, verifier route and training	Technical scoping and verification-readiness pathway
EABC, EU Delegation and Thailand-EU trade networks	Market guidance, EU introductions and technical roundtable	Importer/business network and market channel
Companies with supply-chain, Scope 3 or CBAM exposure	Defined field pilot, data requirements, funding and responsible procurement	LOI, MOU or funded pilot agreement
Mitr Phol and relevant agricultural value-chain companies	No-burn, residue circularity, soil improvement and traceable farmer data	Corporate use case and field implementation partner

Recommended engagement sequence

- Weeks 1-2: technical scoping with carbon and MRV bodies; prepare a two-page concept note.
- Weeks 3-5: trade-network introductions and costed technical proposals.
- Weeks 6-8: refine scope, governance, data rights, budget and confidentiality.
- Weeks 9-12: launch baseline survey and MRV training only after written roles and funding are agreed.

11. Proposed Partnership Offer

Community Enterprise contribution	Requested partner contribution
Farmer coordination and plot access	Technical standards and data requirements
Residue collection and BIO-NO BURN™ field implementation	Funding, equipment or expert support
Production and traceability records	MRV/CFO/CFP method and quality assurance
Demonstration, training and local communication	Market linkage and corporate use case
Evidence package and periodic reporting	Independent review or verification pathway

12. Intellectual Property and Confidentiality

BIO-NO BURN™ naming, project materials, field systems, documentation, datasets and proprietary know-how remain the property of the relevant rights holder. Disclosure does not transfer ownership. Microbial formulations, ratios, cultivation and propagation methods, confidential processes and farmer personal data are excluded from public datasets and require confidentiality and need-to-know controls. The ™ symbol indicates a trademark claim and is not proof of registration.

13. Decision Requested

1. Nominate one focal point from each party.
2. Select one to three pilot products or supply-chain interfaces.
3. Confirm the pilot area and farmer cohort.
4. Hold a technical scoping meeting with carbon and CBAM specialists.
5. Prepare the final concept note, work plan, budget, data-sharing and confidentiality terms.

Appendix A - Draft Outreach Email

Subject: Partnership proposal - BIO-NO BURN™ CBAM Readiness and Low-Carbon Agricultural Supply Chain pilot

Dear [Name/Organisation],

The Community Enterprise would like to explore a technical and/or pilot partnership under BIO-NO BURN™. Our field work supports avoidance of open burning and PM2.5, organic residue management, soil restoration and traceable low-carbon agriculture in Chaiyaphum.

We are developing an MRV and carbon-data system for CFO/CFP readiness, responsible Scope 3 engagement and, where product scope is confirmed, data preparation relevant to EU CBAM supply chains. We do not claim that our organization or products are automatically covered or certified under CBAM.

We would welcome a 45-minute scoping discussion on technical assistance, field implementation, industry matchmaking or pre-verification. Attached is our draft proposal.

Sincerely,

Suraput Muensrirach

President, The Community of Bio-Organic Fertilizer Plant Enterprise Chaiyaphum

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Appendix B - Principal Official Sources

- European Commission - CBAM: https://taxation-customs.ec.europa.eu/carbon-border-adjustment-mechanism_en
- European Commission - Definitive regime: https://taxation-customs.ec.europa.eu/carbon-border-adjustment-mechanism/cbam-definitive-regime_en
- European Commission - Verification: https://taxation-customs.ec.europa.eu/carbon-border-adjustment-mechanism/cbam-verification_en
- TGO - Thailand Greenhouse Gas Management Organization: <https://www.tgo.or.th/>
- TGO Carbon Label and CBAM resources: <https://thaicarbonlabel.tgo.or.th/>
- EABC Thailand contact: <https://www.eabc-thailand.org/contact-us/>
- BIO-NO BURN™ Official Performance Report and Expansion Plan, revised canonical data, 10 August 2026.

Regulatory and organizational information may change. Reconfirm all contact details, programme eligibility, verifier accreditation and applicable CBAM rules before engagement or contracting.