

RSPO PRINCIPLE AND CRITERIA PUBLIC SUMMARY REPORT

☑ Annual Surveillance Assessment (1_4)

☐ Recertification Assessment (Choose an item.)

⊠ Extension of Scope

Client Company Name / Parent Company: Lumnam Kadae Pattana Oil Palm Community Enterprise Group

Client Company / Parent Company Address:

57 Moo.5, Tungrang Sub-district, Kanchanadit District, Suratthani Province, 84290, Thailand

Certification Unit:

Lumnam Kadae Pattana Oil Palm Community Enterprise Group

Location of Certification Unit:

57 Moo.5, Tungrang Sub-district, Kanchanadit District, Suratthani Province, 84290, Thailand

Date of Final Report:

24/08/2024



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Section 1: Scope of the Assessment

1. Company Details						
Parent Company	Lumnam Kadae Pattana Oil P	alm Communit	y Enterprise Group			
RSPO Membership Number	1-0169-14-000-00	Membership	Approval Date	1 Nov 2014		
Address	57 Moo 5, Thungrang Sub-Dis 84290 Thailand	strict, Kanchan	adit District, Surat	thani Province		
Palm Oil Mill / Group Manager / Estate (Certification Unit)	Lumnam Kadae Pattana Oil P	alm Communit	y Enterprise Group			
Location / Address	57 Moo 5, Thungrang Sub-Dis 84290 Thailand	strict, Kanchan	adit District, Surat	thani Province		
Website	None.					
Management Representative	Ms. Auraiwan Phonphai / Group Manager					
Telephone	Phone: +66-7727-8600	Facsimile	+66-7731-0938			

2. Certification Informat	2. Certification Information					
Certificate Number	RSPO 781067	Certificat	te Start Date	15/09/2020		
Date of First Certification	21/05/2015 Certificate Expiry Date 14/09/2025					
Scope of Certification	Production of Sustainable Oil	Palm Fresh	Fruit Bunches of Ir	ndependent Smallholders		
Visit Objectives	Determination of the conformith audit criteria.	rmity of the	client's manageme	nt system, or parts of it,		
	Evaluation of the ability of t meets applicable statutory, re					
Assessment Cycle	☐ Pre Assessment (Choose a	an item.)				
	☐ Initial Assessment					
	⋈ Annual Surveillance Assess	sment (ASA	1_4)			
	☐ Recertification Assessment	(Choose a	an item.)			
Applicable Standards / Normative Reference	RSPO Certification System for ⊠ Independent Smallholder					
Supply Chain Module	☐ Identity Preserved; ☐ Mass Balance					
ISH certification Phase	□ Eligibility □ Milestone A ⋈ Milestone B □ Not Applicable					
Is this a remote audit or on-site audit	⊠ On-site audit (Option AI)	□ On-site	audit (Option AII)	☐ Remote audit (Option B)		



3. Other Certifications			
Certificate Number	Standard(s)	Certificate Issued by	Expiry Date
N/A	N/A	N/A	N/A

4. Location(s) of Mill & Supply Bases						
Name	Location	GPS Coordinates				
(Mill / Supply Base / Group manager / Smallholders)		Latitude	Longitude			
Lumnam kadae Pattana Oil Palm Conmmunity Enterprise Group (Total no. of the group members is 273)	Location: 57 Moo.5, T.Tungrang Sub-district, Kanchanadit District, Suratthani Province, 84290,Thailand	9° 5'1.92" N	99°25'44.81" E			

5. Description of Supply Base							
New Planting Development	⊠ No		□ Yes				
Estate / Smallholders	Total Planted (Mature +Immature) (ha)	HCV (ha)	Infrastructure & Other (ha)	Total Area (ha)	% of Planted		
Lumnam Kadae Pattana Oil Palm Community Enterprise Group (Total 273 members; 232 existing members and 41 new members)	1,362.65	0	146.62	1,509.27	90.29		
Total	1,362.65	0	146.62	1,509.27			

Note:

- ASA 1_3: Last certificate 238 group members. Total land areas is 1,330.85 ha which; 1,217.76 ha of Oil palm planted area (Mature is 1,180.42 ha and immature is 37.34 ha)
- 2. ASA 1_4:
 - 6 Existing members resigned, Total land area is 51.145 ha with Oil Palm Planted area is 42.35 ha
 - 1 Existing member change (reduce) area, Total land area reduce is 0.95 ha
 - 41 new members, Total land area is 207.454 ha with Oil Palm Planted area is 165.13 ha
 - 10 existing members add oil palm plot, Total land area is 23.06 ha with Oil Palm Planted area is 23.06 ha (12 Oil Palm plot planted).

6. Plantings & Cycle						
Estate / Smallholders		Age (Years) - ha				Immature
	0 - 3	4 - 14	15 - 25	>25		



Lumnam Kadae Pattana O Palm Community Enterpris Group		566.60	619.77	96.29	1,282.66	79.99
Total (ha	79.99	566.60	619.77	96.29	1,282.66	79.99

Note: Only Mature area is considered as production area

7. Summary of Certified Tonnage of FFB (Own Certified Scope)							
Estate / Smallholders		Tonnage ((MT) / year				
	Estimated last year (15 Sep 2023 to	Act (1 Jun 2023 to	Forecast (15 Sep 2024 to 14				
	14 Sep 2024)	Previous license period (1 Jun 2023 to 14 Sep 2023)	Current license period (15 Sep 2023 to 31 May 2024)	Sep 2025)			
Lumnam Kadae Pattana Oil Palm Community Enterprise Group	29,594.25	6,826.36	20,473.79	32,066.45			
Total	29,594.25	27,300.15 32,066.45					

Note:

Forecast next certificate and next Palm trace license; yield 25.00 tFFB/ha (4.0 tFFB/Rai) (According to members have adopted effective methods for managing planting, such as understanding the costs involved, which affects the amount and timing of fertilization. Furthermore, the group management and committee have performed well in improving the management of the group members' gardens by using information from the internal audit results.)

8. Summary of Certified Tonnage of FFB (from other certified unit(s))							
Estate /		Tonnage (MT) / year					
Smallholders	Iholders Estimated last year Actual (key in period)			Forecast (key in period)			
		Previous license period (key in period covered)	Current license period (key in period covered)				
N/A		N/A	N/A				
Total							
Note: This table is not ann	licable for ISH. Fill un detail:	s in table 12 12A 13 and	1 134				

9. Summary of Non-Certified Tonnage of FFB (outside supplier — excluded from certificate)							
Out growers /	Tonnage (MT) / year						
smallholders	Estimated last year (key in period)	Actual (key in period)		Forecast (key in period)			
		Previous license period (key in period covered) Current license period (key in period covered)					
N/A	N/A	N/A	N/A	N/A			



Total			
Note: This table is not appli	cable for ISH. Fill up details	s in table 12, 12A, 13 and 13A.	

9A. I	9A. Monthly Records of Certified and Uncertified FFB Received since the last audit						
No.	Month - Year	Volume of FFB from certified supply base (mt)	Volume of FFB from uncertified supply base (mt)	Total FFB/Month (mt)			
N/A	N/A	N/A	N/A	N/A			
	TOTAL						

Note: This table is not applicable for ISH.

Estimated last year (key in period)		Actual (key in period)			Forecast (key in period)	
		Previous license period (key in period covered)		Current license period (key in period covered)		
FFB		FFB	FFB		FFB	
N/A		N/A	N/A N/A		N/A	
		TOTAL	N/A	•		
CPO (OER:	%)	CPO (OER:	%)		CPO (OER:	%)
N/A		N/A		N/A	N/A	
		TOTAL	N/A			
PK (KER:	%)	PK (KER:	%)		PK (KER:	%)
N/A		N/A		N/A	N/A	
		TOTAL	N/A			

10A. Monthly Records of Certified CPO & PK since the last audit							
No. Month - Year Certified CPO (MT) Certified PK (MT)							
1	N/A	N/A	N/A				
	TOTAL N/A N/A						
Note: This table is not applicable for ISH. Fill up details in table 12, 12A, 13 and 13A.							

11. Summary of Actual Volume sold	
Current License period (key in period)	



	DCDO Contified	Other Scher	nes Certified	Commentional	Total	
	RSPO Certified	ISCC	Others	Conventional	Total	
CPO (MT)	N/A	N/A	N/A	N/A	N/A	
PK (MT)	N/A	N/A	N/A	N/A	N/A	
Credits	N/A	N/A	N/A	N/A	N/A	
Previous Lice	ense period (key in peri	od)				
CPO (MT)	N/A	N/A	N/A	N/A	N/A	
PK (MT)	N/A	N/A	N/A	N/A	N/A	
Credits	N/A	N/A	N/A	N/A	N/A	

11A. Records of Certified CPO & PK Sold under PalmTrace since the last audit (if any)							
No.	Buyers Name	PalmTrace Trading License Number	Certified CPO Sold (MT)	Certified PK Sold (MT)			
N/A	N/A	N/A	N/A	N/A			
	TOTAL						
Note: Th	Note: This table is not applicable for ISH. Fill up details in table 12, 12A, 13 and 13A.						

11B. Records of certified CPO & PK Sold under other schemes since the last audit (if any)							
No.	Buyers Name	Scheme Name	Certified CPO Sold (MT)	Certified PK Sold (MT)			
N/A	N/A	N/A	N/A	N/A			
	TOTAL						
Note: Th	Note: This table is not applicable for ISH. Fill up details in table 12, 12A, 13 and 13A.						

11C. Records of CPO & PK Sold as conventional since the last audit (if any)							
No.	Buyers Name	CPO Sold (MT)	PK Sold (MT)				
N/A	N/A	N/A	N/A				
	TOTAL						
Note: 7	Note: This table is not applicable for ISH. Fill up details in table 12, 12A, 13 and 13A.						

11D. Records of Certified CPO Sold under RSPO Credits since the last audit (if any)						
No.	Buyers Name	PalmTrace Trading License Number	RSPO Credits of Certified CPO Sold			



N/A	N/A	N/A	N/A				
TOTAL							
Note: 7	Note: This table is not applicable for ISH. Fill up details in table 12, 12A, 13 and 13A.						

12. Inde	12. Independent Smallholders Certified Tonnage (MT) / Volume									
	Estimated last year (15 Sep 2023 to 14 Sep 2024)			(1 Jun 20	Actual (1 Jun 2023 to 31 May 2024)			Forecast (15 Sep 2024 to 14 Sep 2025)		
Dhace	Eligibility	MS A	MS B	Eligibility	MS A	MS B	Eligibility	MS A	MS B	
Phase	40%	70%	100%	40%	70%	100%	40%	70%	100%	
FFB			29,594.25			27,300.15			32,066.45	
IS-CSPO	-	-		-	-		-	-		
IS-CSPKO	-	-		-	-		ı	-		
IS-CSPKE	-	-		-	-		-	-		
CSPK	-	-		-	-		-	-		

12A. Monthly Records of Certified CPO, PK & PKE (equivalent) produced since the last audit									
No.	Month - Year	FFB (MT)	Certified CPO (MT)	Certified PK (MT)	Certified PKO (MT)	Certified PKE (MT)			
1	Jun-23	1,696.88	339.38	84.84	38.18	46.66			
2	Jul-23	1,836.67	367.33	91.83	41.33	50.51			
3	Aug-23	2,042.62	408.52	102.13	45.96	56.17			
4	Sep-23	2,641.13	528.23	132.06	59.43	72.63			
5	Oct-23	2,276.47	455.29	113.82	51.22	62.60			
6	Nov-23	2,498.76	499.75	124.94	56.22	68.72			
7	Dec-23	2,194.77	438.95	109.74	49.38	60.36			
8	Jan-24	2,045.85	409.17	102.29	46.03	56.26			
9	Feb-24	1,749.32	349.86	87.47	39.36	48.11			
10	Mar-24	2,537.88	507.58	126.89	57.10	69.79			
11	Apr-24	2,695.51	539.10	134.78	60.65	74.13			
12	May-24	3,084.29	616.86	154.21	69.40	84.82			
	TOTAL	27,300.15	5,460.03	1,365.01	614.25	750.75			



13. Independent Smallholders Actual Sold Tonnage / Volume										
	FFB	FFB Conventional	FFB Other schemes	IS-CSPO	CSPK	IS-CSPKO	IS-CSPKE			
Current Li	Current License period (15 Sep 2023 to 31 May 2024)									
Credits				0	0	0	0			
Physical	20,473.79	0	0							
Previous L	Previous License period (1 Jun 2023 to 14 Sep 2023)									
Credits				0	0	0	0			
Physical	6,826.36	0	0							

13A.	Records of Certified	FFB, CPO, PK & PKI	(including	g credits) sold	I since the las	st audit	
No.	Buyers Name	PalmTrace Trading License Number	FFB Sold (MT)	Certified CPO Sold (MT/credit)	Certified PK Sold (MT/credit)	Certified PKO Sold (MT/credit)	Certified PKE Sold (MT/credit)
1	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	1,696.87	0	0	0	0
2	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	1,836.67	0	0	0	0
3	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	541.24	0	0	0	0
4	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	121.56	0	0	0	0
5	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	1,379.82	0	0	0	0
6	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	2,641.13	0	0	0	0
7	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	958.28	0	0	0	0
8	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	2,276.47	0	0	0	0
9	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	3,735.25	0	0	0	0
10	S.P.O. AGRO-INDUSTRIES CO.,LTD. – Sichon POM	RSPO_PO1000004976	635.86	0	0	0	0
11	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	1,581.17	0	0	0	0
12	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	1,578.15	0	0	0	0
13	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	2,537.88	0	0	0	0
14	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	2,695.51	0	0	0	0
15	Seangsiri Agro-Industries Co., Ltd POM	RSPO_PO1000002411	3,084.29	0	0	0	0



TOTAL	27,300.15		

Note:

- 1. Lumnam Kadae Pattana Oil Palm Community Enterprise Group sold only physical FFB supply to factory
- 2. The data from Palm trace system shown as 27,300.15 MT, actual = 27,300.15 MT in period 1 Jun 2023 to 31 May 2024
- In period 15 Sep 2023 to 31 May 2024 (No. 7-15) Sold as Physical FFB via PT as 20,473.81 MT
- In period 1 Jun 2023 to 14 Sep 2023 (No. 1-7) Sold FFB as Physical FFB via PT as 6,826.35 MT
- 3. FFB Totally in period 15 Sep 2023 to 31 May 2024 = 27,300.15 MT, Sold = 27,300.15 MT.



Section 2: Assessment Process

Certification Body:

BSI Services Malaysia Sdn. Bhd. (ASI Accreditation Number: ASI-ACC-067) Suite 29.01 Level 29, The Gardens North Tower, Mid Valley City, Lingkaran Syed Putra, 59200 Kuala Lumpur, Malaysia.
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BSI is a leading global provider of management systems assessment and certification, with more than 92,000 certified locations and clients in over 193 countries. BSI is the UK's National Standards Body. BSI provides independent, third-party certification of management systems. BSI is ASI Accredited (ASI-ACC-067) to conduct RSPO assessment since 31/10/2014 with accredited office located at Kuala Lumpur, Malaysia.

2.1 Assessment Methodology, Programme, Site Visits

The on-site assessment was conducted on 24-28 Jun 2024. The audit programme is included as Section 2.3.

The approach to the audit was to treat the independent smallholders as an RSPO Certification Unit. A range of occupational health and safety, environmental, best practice management, and social factors were covered. This includes consideration of topography, palm age, proximity to areas with HCVs, declared conservation areas, local communities engagement and workers welfare and safety.

The Critical NC close out on-site assessment was conducted on **16 Aug 2024**. The audit programs are included in Section 2.3.

The methodology for collection of objective evidence included physical site inspections, observation of tasks and processes, interviews of staff, workers and their families and external stakeholders, review of documentation and monitoring data. Independent Smallholder Standard 2019 was used as the normative reference to assess compliance. The comments made by external stakeholders were also taken into account in the assessment.

The minimum sample size is four estates. Sample size for certification unit with more than four (4) estates were determined based on formula $N = (\sqrt{y}) \times (z)$ where y is the number of estates and where z is the multiplier defined by risk assessment. While, the sampling of smallholders were based on the formula $(\sqrt{y}) \times (z)$; where y is total number of group member and where z is the multiplier defined by the risk assessment. The sampled smallholder listed in Appendix E.

Meetings were held with stakeholders to seek their views on the performance of the certification unit with respect to the RSPO requirements and aspects where they considered that improvements could be made. At the start of each meeting, the interviewer explained the purpose of the audit followed by an evaluation of the relationship between the stakeholder and the company before discussions proceeded. The interviewer recorded comments made by stakeholders and these have been incorporated into the assessment findings.

Structured worker interviews with male and female workers and staff were held in private at the workplace in the mill and the estates. Fieldworkers were interviewed informally in small groups in the field. In addition, the wives of workers and staff were interviewed in informal group meetings at their housing. Separate visits were made to each of the local communities to meet with the village head and residents. Company officials were not present at any of the internal or external stakeholder interviews. A list of Stakeholders contacted is included as Section 3.4.

The non-conformities for this audit are detailed in Section 3.3 and unless it is stated in this section, all previous nonconformities including minor nonconformities are remains closed.

This report is structured to provide a summary of assessment finding as provided in Appendix A. The assessment was conducted based on risk based approach sampling and therefore nonconformities may exist.



For Initial, Re-certification and Extension of Scope assessment, the report was externally reviewed by approved external peer reviewer prior to certification decision by BSI.

For Annual surveillance assessment, the report was internally reviewed and approved by BSI qualified certification reviewer.

The following table would be used to identify the locations to be audited each year in the 5 year cycle

Assessment Program							
Name (Mill / Supply Base)	Year 1 (Recertification)	Year 2 (ASA1_1)	Year 3 (ASA1_2)	Year 4 (ASA1_3)	Year 5 (ASA1_4)		
Lumnam Kadae Pattana Oil Palm Community Enterprise Group	N/A	N/A	N/A	√	√		

Tentative Date of Next Visit: April 21, 2025 - April 25, 2025

Total Number of Mandays: 13.0

2.2 BSI Assessment Team

Name	Role	Competency
Supiwat Nentakong	Team Leader	Education: Bachelor of Science (Fisheries) KASETSART University, Thailand in 1998.
		Work Experience: He is oil palm plantation owner. Hence, he has more than 10 years' experience in working in the palm oil sector and more then 5 years working experience as RSPO P & C, RISH and SCC Auditor and 1 years working experience as RSPO Lead Auditor of P &C, RISH and SCC scheme before joining with BSI group.
		His knowledge in agriculture sector (oil palm) has been evaluated through interview and demonstrated by directly involved in managing oil palm belong to his family.
		Training attended: Completed ISO 9001 Lead Auditor Course, Endorsed RSPO P&C Lead Auditor Course, Endorsed RSPO P&C Lead Auditor Refresher Course and RSPO ISH Training (RISS 2019) as part of the qualification for RSPO Auditors in fulfilling the requirements of 4.8.6(f) of the RSPO Certification System 2020 on 14 -16 Mar 2022 by RSPO, Endorsed RSPO SCCS Lead Auditor course, ISO 14001 Lead Auditor course and ISO 45001 Lead Auditor course.
		Language proficiency: Fluent in Thai language and moderate in English
		Aspect covered in this audit:
		☐ ☑ Good Agriculture Practice ☑ Health and Safety ☑ Social ☑ Environmental
		oximes ISH context (ICS, internal audit, policy, business planning and trading system)
Chongrak Takard	Team Member	Education: Bachelor of Science: Plant Protection (Plant Pathology) from Maejo University, Thailand in 1998, and a Master of Arts: Human Resource Development (HRD) from Ramkhamhaeng University, Thailand in 2016.



1	N. I
	Work experience: More than 10 years of working experience where makes her familiar with local/regional knowledge of local laws, also undergone ISO9001, SA8000, TLS, SMETA, Social Second party audit (social audit), has been working in the agriculture sector for more than 10 years prior to joining BSI group. 5 years working experience as Sustainability Auditor for RSPO P & C, RISH and SCC Scheme.
	Training attended: Successfully completed the Quality Management System Auditor/Lead Auditor Course ISO9001:2015, ISO14001:2015 Lead auditor IRCA 14154 EMS, BS OHSAS 18001:2007 standard, CQI-IRCA Certified: PR356: OHSMS ISO 45001:2018 Lead Auditor Conversion Training Course, Thai Labour Standard TLS Lead auditor TLS 8001, SA8000 Basic auditor Course and SA8000 Advances Auditor Course, ESEP Lead auditor course, Endorsed RSPO P&C Lead Auditor Course, Refresher course for Endorsed RSPO P&C Lead Auditor, RSPO ISH Training (RISS 2019) as part of the qualification for RSPO Auditors in fulfilling the requirements of 4.8.6(f) of the RSPO Certification System 2020 and Endorsed RSPO SCCS Lead Auditor.
	Language proficiency: Fluent in Thai language and moderate in English.
	Aspect covered in this audit:
	 ☐ Good Agriculture Practice ☒ Health and Safety ☒ Social ☒ Environmental ☒ ISH context (ICS, internal audit, policy, business planning and trading system)
Team Member and TL under supervision	Education: Hold a Bachelor degree of Science (Fisheries), Kasetsart University, Thailand and Master degree of Science in Aquaculture and Aquatic Resources Management, Asian Institute of Technology, Thailand.
	Work Experience: Over 12 years of working experience as consultant/trainer of conformity assessment standards (e.g. ISO/IEC 17065, ISO/IEC 17021-1) and ICS for group certification of agricultural scope (Food crops, Rice, Aquatic animals) including certification of oil palm plantation. She also has audit experience and technical knowledge for audit GAP/Organic standards which according to ISO 19011.
	Training attended: Successfully completed the Quality Management System Auditor/Lead Auditor Course ISO 9001:2015, ISO 14001:2015, OHSAS 18001 (now ISO 45001), Endorsed RSPO P&C Lead Auditor Course, RSPO SCCS Lead Auditor course, RSPO ISH Training (RISS 2019) and also conformity assessment such as ISO/IEC 17020, ISO/IEC 17024, ISO/IEC 17065 and ISO/IEC 17021-1
	Language proficiency: Fluent in Thai language and moderate in English.
	Aspect covered in this audit:
	☑ Good Agriculture Practice ☑ Health and Safety ☐ Supply chain requirements
	☐ Social ☑ Environmental ☐ Market Communication and claim requirements
	☐ ISH context (ICS, internal audit, policy, business planning and trading system)
Peer Reviewer	Education:
. ss. never	Graduated from University Technology Mara (UiTM), Malaysia in Diploma in Science in 1990. He furthers his first degree in B.Sc (Hons) in Chemistry with Industrial Chemistry in 1995 from Liverpool University, England. He
	and TL under supervision



<u></u>	,
	later advances his study in Master in Business Administration (General) in 2002 and graduated in 2005 from University of Multimedia, Malaysia. Completed his PhD from University Science Islam Malaysia (Faculty of Economy and Muamalat - Management) under the supervision of previous University Vice Chancellor Dato' Mohd Muda.
	Work Experience:
	Worked with Hong Leong Group of Companies as a production executive cum TQM facilitator and continues to advance in his career as a manager and senior manager in management, production, training and quality for more than 11 years. During his tenure with Hong Leong Group of Companies, he heavily involved in strategic management decision issues such as developing SWOT analysis, Vision, Mission, Business and Corporate Strategy formulation, Acquisition and restructuring strategies. Strategic actions and implementation etc. Then he joint Kumpulan Guthrie and Sime Darby Group of Companies for more than 7 years as a manager, heads of department and Assistant Vice President in management, quality and training. Part of his duty is to strategies the departmental vision; mission, critical success factors and action plan into actions and support the corporate strategic plan.
	Training attended:
	1. ISO 9001:2015 Lead Auditor and Internal Auditor
	2. ASI reviewer training
	3. Safety and Health
	4. ISO 14001:2015 Standard
	5. RSPO Standards: RSPO P&C 2018 MY-NI 2019
	6. MSPO Standards: MS 2530:2013 part 1, 2, 3 and 4
	7. Problem Solving Technique: 8 D, ICC, QCC, Systematic PS
	8. HACCP MS 1480:2019
	9. GAP Standard: Global GAP, Euro GAP.
-	

Accompanying Persons:

Name	Role
NA	NA

2.3 Assessment Plan

The Assessment plan was sent to the client prior to the assessment

Date	Time	Subjects	SWN	JMG	СТА
Day (1) Monday, 24/06/2024	9:00-9:30	Description of activity for each day, including travelling/flight detail, opening meeting, documentation review, site visit, closing meeting, etc	√	√	✓



	9:30:17.30	Field visit at the 16 smallholders' plantations • Interview with smallholders Observation on harvesting, agrochemicals and fertilizers application, land use rights, land conflict, boundary demarcation, riparian zone protection, wastes management, occupational safety risk management, etc	√	√	√
	12.00-13.00	Lunch Break	√	√	√
	17.30 -18.00	Interim closing briefing of Day 1	\checkmark	√	√
Day (2) Tuesday 25/06/2024	9:30-17:30	Field visit at the 18 smallholders' plantations • Interview with smallholders Observation on harvesting, agrochemicals and fertilizers application, land use rights, land conflict, boundary demarcation, riparian zone protection, wastes management, occupational safety risk management, etc.	√	√	√
	12.00-13.00	Lunch Break	√	√	√
	17.30 -18.00	Interim closing briefing of Day 2	√	√	√
Day (3) Wednesday, 26/6/2024	9:00 – 11:00	Field visit at the 5 smallholders' plantations • Interview with smallholders Observation on harvesting, agrochemicals and fertilizers application, land use rights, land conflict, boundary demarcation, riparian zone protection, wastes management, occupational safety risk management, etc.	√	√	✓



11:00-17:30	Document Review: • Group Manager/Internal Control System Internal Control System Requirements for Smallholder Groups Review of members' profiles & key management documents Group Manager: ICS A- ICS D, and P1 - P4	√	√	√
	• Document Audit: Public documents, SOPs, Policies, LUCA & RaCP, PLU, Internal audit, Production & traceability requirements, FFB pricing, legal and other requirements, review on SEIA documents and records, wage records, complaint records, workers records, training records, permits, continual improvement plan, etc			
	Principle 1: Optimise productivity, efficiency, positive impacts and resilience			
	Principle 2: Ensure legality, respect for land rights and community wellbeing			
	Principle 3: Respect human rights, including workers' rights and conditions			
	Principle 4: Protect, conserve and enhance ecosystems and the environment			
12.00-13.00	Lunch Break	√	√	√
17.30 -18.00	Interim closing briefing of Day 2	√	√	√
18:00	Khun Chongrak go to Suratthani Airport			√



Date	Time	Subjects	SWN	JMG
Day (4), Thursday, 27/06/2024	9:00-12:00	Stakeholders'consultation (surrounding communities, government agencies, contractors, vendors, NGO, etc.) (Onsite or Phone)	√	√
		Subdistrict Administrative Organization President Chang Khwa		
		Kanchanadit District Agriculture		
		harvest contractors		
		Forest Resource Management Office		
		School Director		
	13:00-17:30	Document Review : • Group Manager/Internal Control System Internal Control System Requirements for Smallholder Groups Review of members' profiles & key management documents Group Manager: ICS A- ICS D, and P1 - P4	√	√
		• Document Audit: Public documents, SOPs, Policies, LUCA & RaCP, PLU, Internal audit, Production & traceability requirements, FFB pricing, legal and other requirements, review on SEIA documents and records, wage records, complaint records, workers records, training records, permits, continual improvement plan, etc		
		Principle 1: Optimise productivity, efficiency, positive impacts and resilience		
		Principle 2: Ensure legality, respect for land rights and community wellbeing		
		Principle 3: Respect human rights, including workers' rights and conditions		
		Principle 4: Protect, conserve and enhance ecosystems and the environment		
	12.00-13.00	Lunch Break	√	√
	17.30-18.00	Interim closing briefing of Day 4	√	√



Date	Time	Subjects	SWN	JMG
Day (5) Friday 28/06/2024	9:00-12:00	Document Review: • Group Manager/Internal Control System Internal Control System Requirements for Smallholder Groups Review of members' profiles & key management documents Group Manager: ICS A- ICS D, and P1 - P4	√	√
		• Document Audit: Public documents, SOPs, Policies, LUCA & RaCP, PLU, Internal audit, Production & traceability requirements, FFB pricing, legal and other requirements, review on SEIA documents and records, wage records, complaint records, workers records, training records, permits, continual improvement plan, etc		
		Principle 1: Optimise productivity, efficiency, positive impacts and resilience		
		Principle 2: Ensure legality, respect for land rights and community wellbeing		
		Principle 3: Respect human rights, including workers' rights and conditions		
		Principle 4: Protect, conserve and enhance ecosystems and the environment		
	13.00-17.30	Document Review: • Group Manager/Internal Control System Internal Control System Requirements for Smallholder Groups Review of members' profiles & key management documents Group Manager: ICS A- ICS D, and P1 - P4	✓	√
		• Document Audit: Public documents, SOPs, Policies, LUCA & RaCP, PLU, Internal audit, Production & traceability requirements, FFB pricing, legal and other requirements, review on SEIA documents and records, wage records, complaint records, workers records, training records, permits, continual improvement plan, etc		
		Principle 1: Optimise productivity, efficiency, positive impacts and resilience		
		Principle 2: Ensure legality, respect for land rights and community wellbeing		
		Principle 3: Respect human rights, including workers' rights and conditions		
		Principle 4: Protect, conserve and enhance ecosystems and the environment.		
	12.00-13.00	Lunch break	√	√
	17.30-18.00	Audit team discussion & preparation for closing meeting, Closing meeting (18.00 Travel to Airport)	V	√



NOTES:

Total group members = 273 (Existing = 232 & New member = 41, Existing with additional plots = 10)

Total of sampled group members = 39 (19 Existing members, 13 New members and 7 Existing members with additional plots).

					Location		GPS Co	ordinate	Oil	
No	Member's ID	Smallholder's Name	Plot No.	Sub- District	District	Province	Longitude	Latitude	Palm Plante d Area (Ha)	Auditor
1	29	Mr.Manoch Kerdtong	1	Chang Khwa	Kanchanadit	Suratthani	9° 6'4.41"	99°26'20.84"	1.32	SWN 24/06/2024
2	87	Mr.Thongbai Phetket	1	Thung Kong	Kanchanadit	Suratthani	9° 6'5.34"	99°24'18.90"	1.69	SWN 24/06/2024
3	103	Mr.Anan Kanhakaew	1	Chang Khwa	Kanchanadit	Suratthani	9° 6'53.41"	99°26'20.90"	3.04	SWN 24/06/2024
4	130	Mrs.Suphanee Sangsanthai	1	Chang Khwa	Kanchanadit	Suratthani	9° 5'43.75"	99°26'9.74"	1.88	SWN 24/06/2024
5	164	Mr.Chainarong Chumkhiao	1	Chang Khwa	Kanchanadit	Suratthani	9° 3'35.57"	99°26'21.46"	1.4	SWN 24/06/2024
6	246	Mrs.Wilawan Ditai	2	Chang Khwa	Kanchanadit	Suratthani	9° 7'6.50"	99°26'48.54"	1.55	SWN 24/06/2024
7	64	Mrs.Kanya Baoyam	1	Thung Kong	Kanchanadit	Suratthani	9° 7'57.36"	99°24'33.00"	1.89	SWN 25/06/2024
8	122	Mrs.Wannee Kongphayak	3	Chang Khwa	Kanchanadit	Suratthani	9° 4'27.28"	99°26'17.26"	3.00	SWN 25/06/2024
9	184	Mr.Amphon Suksanit	2	Chang Sai	Kanchanadit	Suratthani	9° 5'2.80"	99°28'5.76"	1.19	SWN 25/06/2024
10	175	Mr.Aunpachai Mueangmee	3	Chang Khwa	Kanchanadit	Suratthani	9° 4'16.04"	99°26'10.52"	1.91	SWN 25/06/2024
11	274	Mr.Suraporn Thueaksuban	2	changsai	Kanchanadit	suratthani	9° 5'25.88"	99°27'41.59"	6.17	SWN 25/06/2024
12	276	Mr.Sommai Kliangmuni	1	changsai	Kanchanadit	suratthani	9° 4'13.77"	99°29'18.51"	3.87	SWN 25/06/2024
13	298	Mr.Taweesit Kobvattanakul	1	changsai	Kanchanadit	suratthani	9° 5'19.38"	99°27'40.06"	2.16	SWN 25/06/2024
14	20	Mrs.Chayaporn Phetrod	1	Markham Tia	Mueang	Suratthani	9° 6'51.58"	99°22'29.27"	0.34	CTA 24/06/2024
15	50	Mr.Narin Khanawitthaya	1	Makham Tia	Mueang	Suratthani	9° 5'17.36"	99°22'54.21"	1.5	CTA 24/06/2024
16	54	Mr.Methasit Phonsithachinrit	3	Khun Thale	Mueang	Suratthani	9° 4'28.08"	99°20'31.50"	1.58	CTA 24/06/2024
17	59	Mr.Prasoet Romphothong	1	Makham Tia	Mueang	Suratthani	9° 5'44.44"	99°22'32.83"	0.80	CTA 24/06/2024
18	75	Mr.Authai Sribunrueang	2	Wat Pradu	Mueang	Suratthani	9° 3'21.48"	99°18'47.34"	0.45	CTA 24/06/2024
19	90	Mr.Banchong Wonhwichien	2	Khun Thale	Mueang	Suratthani	9° 2'59.99"	99°23'8.35"	3.60	CTA 24/06/2024
20	167	Mrs.Panitcha Kongphayak 2	2	changsai	Kanchanadit	suratthani	9° 4'27.67"	99°30'8.29"	1.99	CTA 24/06/2024
21	2	Mr.Amnual Saengwijitkul	1	Makham Tia	Mueang	Suratthani	9° 5'42.39"	99°22'29.95"	0.35	CTA 25/06/2024
22	90	Mr.Somkiat Siangchin	2	Makham Tia	Mueang	Suratthani	9° 5'48.78"	99°23'11.40"	3.61	CTA 25/06/2024
23	210	Mr.Teerasak Maneerat 3	3	Khun Thale	Mueang	Suratthani	9° 3'4.04"	99°23'16.93"	0.99	CTA 25/06/2024
24	296	Mr.Patompong Silapee	2	Krut	Kanchanadit	Suratthani	9° 7'37.50"	99°32'54.59"	2.88	CTA 25/06/2024



					Location		GPS Co	ordinate	Oil	
No	Member's ID	Smallholder's Name	Plot No.	Sub- District	District	Province	Longitude	Latitude	Palm Plante d Area (Ha)	Auditor
25	293	Mr.Thiwa Khanawitthaya	3	Krut	Kanchanadit	Suratthani	9° 6'57.49"	99°31'24.81"	5.23	CTA 25/06/2024
26	291	Mr.Montri Meeaupkran 1	1	Chang Khwa	Kanchanadit	Suratthani	9° 0'46.84"	99°28'1.96"	3.10	CTA 25/06/2024
27	183	Mrs. Kanchana Palanusorn	1	Thung Rang	Kanchanadit	Suratthani	9° 0'48.69"	99°24'18.91"	7.52	JMG- 24/06/2024
28	259	Mrs.Suniya Petkliang	2	Chang Khwa	Kanchanadit	Suratthani	9° 3'12.97"	99°27'12.98"	0.93	JMG- 24/06/2024
29	270	Mr. Pinyo Maithongngam	4	Chang Khwa	Kanchanadit	Suratthani	9° 1'17.76"	99°26'45.79"	2.14	JMG- 24/06/2024
30	280	Mrs.Nkhaya Kongsap	1	Chang Khwa	Kanchanadit	Suratthani	9° 1'3.17"	99°27'11.09"	4.96	JMG- 24/06/2024
31	284	Ms.Saifon Phinchu	1	Chang Khwa	Kanchanadit	Suratthani	9° 2'9.26"	99°26'6.48"	2.08	JMG- 24/06/2024
32	283	Mr.Phongpan Aiangrod	1	Thung Rang	Kanchanadit	Suratthani	9° 3'1.81"	99°24'23.59"	2.13	JMG- 24/06/2024
33	67	Mr.Somyod Krodsen	3	changsai	Kanchanadit	Suratthani	9° 5'4.38"	99°28'27.66"	1.33	JMG- 25/06/2024
34	71	Mr. Chayan Chaisuwan	2	Chang Sai	Kanchanadit	Suratthani	8°58'58.62	99°28'50.64"	1.69	JMG- 25/06/2024
35	261	Ms. Kanjanee Kongsup	2	Chang Khwa	Kanchanadit	Suratthani	9° 1'42.63"	99°25'43.19"	4.64	JMG- 25/06/2024
36	267	Mrs. Chutharat Kolaka	4	Chang Sai	Kanchanadit	Suratthani	9° 3'27.75"	99°28'49.52"	3.62	JMG- 25/06/2024
37	271	Mr.Sinnarong Narkpin	1	Chang Sai	Kanchanadit	Suratthani	9° 2'3.28"	99°28'14.95"	3.20	JMG- 25/06/2024
38	287	Mr.Rongroj Promprasit	1	Chang Sai	Kanchanadit	Suratthani	9° 3'56.91"	99°29'23.11"	4.80	JMG- 25/06/2024
39	300	Mr. Wichanon Ngamsa- nga	1	Pa Ron	Kanchanadit	Suratthani	9° 2'49.23"	99°33'45.75"	5.53	JMG- 25/06/2024

Assessment Plan Close Out NCRs Visit

Date	Time	Subjects	SWN
Friday, 16/08/2024	8:30-9:00	Description of activity for each day, including travelling/flight detail, opening meeting, documentation review, site visit, closing meeting, etc	~
	9:00- 17:00	 (NCR Close Out Visit Audit) to review from 1 major nonconformities 2505023-202406-M1 	~
	12.00- 13.00	Lunch Break	
	17:00- 17:30	Prepared closing meeting	



Date	Time	Subjects	SWN
	17:30- 18:00	Closing meeting and end of NCR Close Out Visit Audit	

Section 3: Assessment Findings

3.1 Multiple Management Units and Time Bound Plan

Requirement	Assessment	Compliance
Does the time bound plan include all current subsidiaries, estates and mills that is under the control and/or minor shareholding of the holding company?	Not applicable for ISH	Not Applicable
Have all the estates and mills certified within five (5) years after obtaining RSPO membership? If no, has RSPO Secretariat approval obtained? Was the submission according to the template as announced by the RSPO Secretariat on 21 December 202021	Not applicable for ISH	Not Applicable
Have there been any new acquisitions? If yes, the new acquisitions shall be certified within three (3) years from the date of acquisition. Certification plan for the new acquisition shall be available. If no, has RSPO Secretariat approval obtained? Was the submission according to the template as announced by the RSPO Secretariat on 21 December 202021.	Not applicable for ISH	Not Applicable
Any deviations from the maximum periods requires approval by the RSPO Secretariat.	Not applicable for ISH	Not Applicable
Have there been any changes to the time-bound plan since the last audit (both new acquisition and existing)? If yes, justification is required. Is this consistent with the ACOP reporting?	Not applicable for ISH	Not Applicable
Have there been any isolated lapses in implementation of the plan? If yes a Minor non-compliance shall be raised	Not applicable for ISH	Not Applicable
Have there been any fundamental failure (e.g. unable to justify delay in planning the assessments) to proceed with implementation of the plan? If yes a Major non-compliance shall be raised	Not applicable for ISH	Not Applicable
Un-Certified Units or Holdings		
No replacement of primary forest or any area required to maintain or enhance HCVs and HCS in accordance with RSPO P&C criterion 7.12.	Not applicable for ISH	Not Applicable



Any new plantings since January 1 st 2010 shall comply with the RSPO New Plantings Procedure.	Not applicable for ISH	Not Applicable
Any Land conflicts are being resolved through a mutually agreed process, such as RSPO Complaints System or Dispute Settlement Facility, in accordance with RSPO P&C criteria 4.4, 4.5, 4.6, 4.7 and 4.8.	Not applicable for ISH	Not Applicable
Any Labor disputes are being resolved through a mutually agreed process, in accordance with RSPO P&C criterion 4.2	Not applicable for ISH	Not Applicable
Any Legal non- compliance is being addressed through measures consistent with the requirements of RSPO P&C criteria 2.1	Not applicable for ISH	Not Applicable
Did the company conduct internal audit for those uncertified estates against the uncertified management units requirement and covering the RSPO P&C criterion 2.1 4.2, 4.4, 4.5, 4.6, 4.7, 4.8 and 7.12? If yes, a positive assurance statement shall be available and justified.	Not applicable for ISH	Not Applicable
Are there any Critical (Major) non-compliance raised against any of the RSPO P&C criterion 2.1 4.2, 4.4, 4.5, 4.6, 4.7, 4.8 and 7.12 during the last internal audit of the uncertified estates? If yes is the NC(s) actively addressed with RSPO?	Not applicable for ISH	Not Applicable
Have there been any stakeholder (including NGO) consultation conducted?	Not applicable for ISH	Not Applicable

3.2 Progress of scheme smallholders and/or outgrowers

Progress of scheme smallholders or outgrowers towards compliance with relevant standards				
Requirement	Remarks	Compliance		
Has 100% of scheme smallholders and/or scheme outgrowers comply with the standard within three years of the mill's initial certification?	Not applicable for ISH	Not Applicable		
OFI shall be raised if after one year where 100% of the scheme smallholders and scheme outgrowers are not in compliance, a minor NC after two years, and a major NC if this requirement is not met after three years.				



Approved Time Bound Plan

Not applicable for Independent Smallholders Certification.



3.3 Details of Nonconformities

The nonconformities are listed below. The findings summary of the assessment by criteria are listed in Appendix A.

During this Assessment there were 1 Critical; 0 Minor nonconformities and 0 OFI Opportunity For Improvement raised. The Lumnam Kadae Pattana Oil Palm Community Enterprise Group Certification unit submitted Corrective Action Plans for the nonconformity. Corrective action plans with respect to the nonconformity was reviewed by the BSI audit team and accepted.

The implementation of the Corrective Actions for the Critical Nonconformity(ies) has been verified for its effectiveness and closed accordingly. The below is the summary of the non-conformity raised during this assessment.

Non-conformity						
NCR Ref #	2505023-202406-M1	Issued Date	28 June 2024			
Due Date	27 August 2024	Closure Date	16 August 2024			
Indicator & Category (Critical / Minor)	ICS A.2.3 MS B/ Critical	ICS A.2.3 MS B/ Critical				
Statement of Nonconformity:	training but not can demo	Based on interviews and document verification, the field verification attended training but not can demonstrate understanding of the ISH Standard, group management and certification requirements including awareness on BMPs, HCV, environmental protection.				
Requirement Reference:	All members attended training and can demonstrate understanding of the ISH Standard, group management and certification requirements including awareness on BMPs, HCV, environmental protection, social welfare of workers and business operations.					
Objective Evidence:	Based on interviews and document verification, the field verification attended training founds smallholder member ID 175,276,270 could not demonstrate understanding of the ISH Standard, group management and certification requirements including awareness on BMPs, HCV, environmental protection and there was no mechanism for monitoring and improvement of group management as refer to the Group ICS manual.					
Corrections:	Operational Manager provide on-site refresh training RSPO standard issue BMPs, HCV, environmental protection training for members with ID 175, 276, and 270 on July 10, 2024 and There was the creation of materials, and communication was done through the Line app.					
Root Cause Analysis:	The group has received training according to RSPO standards, however members have hearing and literacy issues, which makes it lack for them to understand the group's communication during the training.					
Corrective Actions:	ICS and Internal Auditor carried out training program to monitor the smallholder member have hearing and literacy issues monitoring compliance related according to RSPO standards and on site verify visits were conducted after the training to assess whether the participants correctly understood and applied the practices.					
Assessment Conclusion:	During the On site verification, there is evidence of socialization from the ICS Manager to the Unit Lumnam Kadae Pattana Oil Palm Community Enterprise Group regarding the training requirements required by the indicators, BMPs, HCV, environmental protection was carried out on 16 Aug 2024, evidence the training and ICS mechanism for monitoring of BMPs, HCV, environmental protection was available at the time of the NCR Close Out Audit in namely of minutes meeting,					



attendance	list		training		materials.
	verification results,	it was	concluded	that findings	2505023-
202406-M1 can b	e closed.				

Opport	Opportunity for Improvements		
OFI#	Description		
OFI 1	nil		

Positiv	Positive Findings			
PF#	Description			
PF 1	nil			

3.3.1 Status of Nonconformities Previously Identified and Opportunity for Improvement

Previous Audit Critical (Major) Non-conformity					
NCR Ref #	2355799-202306-M1 Issued Date 16 Jun 2023				
Due Date	15 Sep 2023 Closure Date 14 Aug 2023				
Indicator & Category (Critical / Minor)	1.3 MS B/ Critical				
Statement of Nonconformity:	The groups smallholders not listed, according to the GAP of	•	listed pesticide use those		
Requirement Reference:	1.3 (MS. B) Smallholders implement good agricultural practices (GAP) on their farms. Smallholders have adopted GAP on their farms and are tracking productivity through, but not limited to, records of FFB sales.				
Objective Evidence:	,				
Corrections:	1. Check the chemicals used by members to be up to date by checking the database in the past 1 year, It was found that there were 3 members who used				



	herbicides in the palm plantation because there were too many overgrown grasses and couldn't cut them in time.
	2. Verify and collected all of chemicals used by members. It was found that there were additional herbicides. Glufosinate-Ammonium Made in the chemical register used by group members on 24/6/66 by Uraiwan Phappai (Group Manager)
	3. Prepare the MSDS of herbicides. Glufosinate-Ammonium on 24/6/2023 by Uraiwan Phapphai (Group Manager) in summary on methods of use, toxicity, prevention, storage, disposal, packaging, and other relevant including training and clarifying to members about the safety of using chemicals
Root Cause Analysis:	1. Members and groups lack awareness of the importance of recording and data collection of chemicals that is not controlled properly according group's guidelines on Good Agricultural Practices (GAP)
	2. Members do not keep records according to the guidelines specified by the group3. The group did not verify with the members whether there are unregistered chemicals used by the members in their plantations or not.
Corrective Actions:	1. Training subject Good Agricultural Practices (GAP) includes group requirements, adding more on raising awareness and understanding on the importance of recording and notifying the group in case of chemical use out from the list. Collected and trained to be consistent with the Group's GAP methodology.
	2. Require members to notify the group every time (by group line application, record in logbook and information via the changing requestion form) a new chemical is introduced other than the one registered by the group in order to collect and prepare MSDS documents and determine the subject related to safety from the use of chemical in the planting field.
	3. Appointment group manager to visiting smallholder, whenever members report that a chemical is used in order to verify the understanding of the members and update the group's database for preventing recurrence.
Assessment Conclusion:	Major NC offsite verification:
	Correction and corrective action have been implemented. The updated chemical list, the MSDS, and the record to inform members were already done on 26 Jun 2023. Training program Internal audits and inspections are carried out as mechanisms to prevent reoccurrence. The action plan by the group is effective, this non-conformity has been addressed and it is now closed.
Effectiveness Closure (for previous audit closed Critical NC):	The audit team made verification and found the group already conducted training for GAP including garden management and using of pesticide to all group member on 5 Aug 2023. The group manager and group committees provided information about the use of the new pesticide and informed group members via the group line application. Based on interviews with sampled members, they acknowledged receiving this information. Furthermore, found MSDS of herbicides Glufosinate-Ammonium, which was prepared by the Group manager and shared to related group members. Therefore this NC Major remains closed.

Previous Audit Critical (Major) Non-conformity					
NCR Ref # 2355799-202306-M2 Issued Date 16 Jun 2023					
Due Date	15 Sep 2023	Closure Date	14 Aug 2023		



Indicator & Category (Critical / Minor)	4.9 MS B /Critical
Statement of Nonconformity:	Methodology and application of integrated pest management (IPM) is still unclear.
Requirement Reference:	4.9 B; The group and smallholders manage pests, diseases, weeds and invasive introduced species using appropriate techniques, including but not limited to Integrated Pest Management (IPM) techniques. Milestone B: The group and smallholders maximize use of IPM approaches to minimize use of pesticides and herbicides on their farm.
Objective Evidence:	Group's IPM procedure was not covered and not clarified as follows
	 Defining or assessing risks when disease or insects are found in palm plantations. How much to control? or does it not affect the palm plantations or the produce of the oil palm planted?
	 Procedures/Work instruction for notifying members in case of disease or insects in the field for the group to acknowledge and take action on the next step of what to do?
	Action steps for members and groups on what to do. In case of encountering insects or pests in palm plantation
Corrections:	 Group has established the procedure of IPM as SOP Guidelines for controlling when diseases or insects are found in the planting fields Issued 27 Jun 2023. The procedure explain the process flow of integrated pest management plan and implementation and its recording.
	Training to educate members on integrated pest management and the process of communicating when diseases or insects found in palm plantations
	The group determines the notification and control procedures when a disease or insect is found in the field.
	Response Auraiwan Panpai (Group Manager) on June 27, 2023
Root Cause Analysis:	The group did not review the procedures in accordance with the actual operation among the members and did not have clear communication on notification procedures including members' lack of awareness of the impact when members find diseases or insects in the field.
Corrective Actions:	1. Specify such information In the group's internal control system manual, including
	- Risk assessment / investigate when disease or insects are found in palm plantations how much to control or do not affect the palm plantations or the produce of the farm
	- Identify steps for members and groups to take. In case of encountering insects or pests in palm plantation
	- Define notification procedures in case members find the disease. or insects in the field for the group to acknowledge and proceed to the next step what to do
	On June 27, 2023 by Uraiwan Panpai (Group Manager)
	2. Prepare a form to report the occurrence of diseases or insects in the palm plantation.
	3. Communicate to members at the next meeting on 5/8/23.
	4. Monitor the incidence of diseases and pests every year, along with internal audits of group members.



Assessment Conclusion:	Major NC offsite verification: Correction and corrective action have been implemented . The Group Manager has shown that correction and corrective action of this NC has been implemented consistently and effectively. The group manager established the IPM procedure and management procedures published the procedure via Group line application on 27 Jun 2023, training via annual meeting on 05 Aug 2023 of an IPM program such as conducting IPM training for members, elective spraying, Biological		
	technical control by planting Turnera subulata and monitoring of pests and plant diseases every 3 months. The action plan by the group is effective, this non-conformity has been addressed and it is now closed.		
Effectiveness Closure (for previous audit closed Critical NC):	The audit team made verification and found IPM procedure and management procedures for plant diseases and insects, including the guide for risk assessment when found plant diseases and insects destroy Oil palm trees. On site founds all members and then refresh training via annual meeting on 30 Jan2024. And reviewed the document as IPM procedure and management procedures for plant diseases and insects, including the guide for risk assessment to ensure all members acknowledgment and practice comply with requirement. The group distributed beneficial plants to members for IPM method in member plots. During the audit, it was found that there were no diseases or pest infestations. Interviews with members revealed that they understood IPM method and checks are made for any signs of diseases or pest infestations.		

Previo	Previous Audit Opportunity for Improvement			
OFI#	Description			
OFI 1	OFI Statement:			
	Criteria 2.1 : Smallholders have legal or customary rights to use the land in accordance with national and local laws, and customary practices ST.E. : Consideration of clear hardcopy of documented information related to evidence of ownership, or rights to use the land among smallholder members could be improved further.			
	Verification / Follow-up actions:			
	Based on the document review and interviews with sampled members, the audit team found the land ownership documents of all sampled members (e.g., Title Deed certificate, SorPorKor certificate, NorSor3Kor) are kept by the owners, while the Group Manager keeps copies at the office.			

3.3.2 Summary of the Nonconformities and Status

	Category (Critical / Minor)		Issued Date	Status & Date (Closure)
2355799-202306-M1	Critical	1.3 MS B	16 Jun 2023	14 Aug 2023
2355799-202306-M2	Critical	4.9 MS B	16 Jun 2023	14 Aug 2023
2505023-202406-M1	Critical	ICS 2.3 MS B	28 June 2024	16 Aug 2024



3.4 Stakeholders and previous land owner / user consultation

Stakeholder consultation involved internal and external stakeholders. External stakeholders were contacted by telephone to arrange meetings at a location convenient to them to discuss *Lumnam Kadae Pattana Oil Palm Community Enterprise Group* Certification Unit's environmental and social performance, legal and any known dispute issues.

Meetings were conducted with stakeholders to seek their views on the performance of the company with respect to the RSPO requirements and aspects where they considered that improvements could be made. At the start of each meeting, the interviewer explained the purpose of the audit followed by an evaluation of the relationship between the stakeholder and the company before discussions proceeded. The interviewer recorded comments made by stakeholders and later was verified with the management team. Any comment which is not complying to the RSPO ISH standard requirements have been incorporated as an assessment finding.

Structured worker interviews with male and female workers and staff were held in private at the workplace. Fieldworkers were interviewed informally in small groups in the field. In addition, the wives of workers and staff were interviewed in informal group meetings at their housing. Separate visits were made to each of the local communities to meet with the village head and residents. Company officials were not present at any of the internal or external stakeholder interviews. A list of Stakeholders contacted is included as below.

Stakeholders contacted				
Type of Stakeholder (e.g. Internal, Union, Contractor, Governmental Department, NGO, External, Communities)	Stakeholder name / organization	Means of communication (e.g. face to face interview, email, phone interview, comment from public notice)		
Governmental Department	Ms.Amporn P. and Ms.Siriya S. / Forest Resource Management Office No. 11, Muang District, Surat Thani Province.	Face to face interview		
Governmental Department	Mr.Apaipong K. / Kanchanadit District Agricultural Extension Office, Kanchanadit District, Surat Thani Province.	Face to face interview		
Contractor (casual worker)	Mr. Manit (Harvester)	Phone interview		
Contractor (Casual worker)	Mr. Thaweesak R. (Harvester)	Face to face interview		
Local NGO	Mr. Panchai P. /School director, Thaphet Community School	Face to face interview		
Governmental Department	Mr.Krit /S.Subdistrict Administrative Organization President Chang Khwa	Face to face interview		

Stakeholders comment

- **1 Feedbacks:** Director of the Forestry Promotion Division, Operational Forestry Specialist.
 - Communication and coordination with the Forestry Promotion Division will always be maintained and improved for further.
 - There are no complaints from local communities about land use and forest destruction by the group.
 - No land conflict on oil palm plantation was issued within area under control of the Forestry Promotion Division.



	 The Forestry Promotion Division intends to support the provision of tree seedlings to plant along the edge of the plot if the group is interested in further developing the application for T-VER standard certification.
	Audit Team verification and response:
	Positive feedback not required to follow-up.
	No land conflict on oil palm plantation.
2	Feedbacks: Chief of Kanchanadit District Agricultural Extension Office
	 The group has provided clear communication regarding the RSPO standards.
	 There are no complaints from local communities or group member about using of pesticide by the group members.
	 Knowledge regarding of RSPO standards is promoted by Kanchanadit District Agricultural Extension Officer, and attended the group meeting from time to time, latest in December 2023.
	Audit Team verification and response:
	Positive feedback not required to follow-up.
3-4	Feedbacks: Casual Contractor (Harvester representative)
	 They were informed by group members to understand and aware on labour, wage and benefit, working condition and safety, social and environment issue covering pesticide usage control, child labour, waste management, environmental protection (watercourse, soil, RTE, HCV), working details and condition, the procedure for grievance and complaint, etc.
	 The training on safe working and PPEs on oil palm plantation is useful for all workers to protect accident during working.
	 During working, they were supervised by group member who is employer to ensure that they can work properly and prevent the negative issue from their activity.
	They understood on Labor requirement and practical to comply with local law define and group regulation The all casual workers were registered to group members and group manager
	Audit Team verification and response:
	Management Responses:
	 Communication and coordination with casual worker will always be maintained and improved for further.
	 Provide Training program as Safety Environment, Labor and Chemical used were implement with casual workers
	 Communication and provided annual healthy check up to all worker and all members as who worked with chemical.
	Audit Team verification and response:
	Positive feedback not required to follow-up.
	Verified the Training record that has been implemented.
5	Feedbacks: School director, Thaphet Community School(Local NGO)
	 The group has provided clear communication regarding the RSPO standards.
	 There is no complaints issue from students and their parents about child labor using from the group.

No land conflict on oil palm plantation was issued within area under control of Pannaram

Community School.



• The group has supported the school implementation by provided scholarship support to the students.

Audit Team verification and response:

Positive feedback not required to follow-up

- **Feedback:** Subdistrict Administrative Organization President Chang Khwa
 - No conflict of land right. The boundaries of the plantation are clear and also, no complaint raised by people who lived surrounding the plantation.
 - The subdistrict has good relations with group members in terms of being a place to hold meetings on various meeting
 - Communication and coordination with the director will always be maintained and improved for further.
 - No conflict of land deed with the government.
 - For the last 2 years, there is no complaints issue from Government and all take holder.

Audit Team verification and response:

- Positive feedback not required to follow-up.
- Positive comments, in line with the explanation of the Subdistrict Administrative Organization President Chang Khwa. The auditor has verified on site and concluded in the report.
- Coordination and communication can be maintained properly.

List of land owner / user contacted					
Name	Years of ownership / used	Land area (ha)	Agreement (Yes / No)	Agreement base on FPIC (Yes/No)	Compliance on the agreement terms and conditions
PLU of Member ID 300	2008	4.29	Yes	Yes	Comply /It is for sale according to the wishes of the original owner about 16 years.
PLU of Member ID 259	2009	1.63	Yes	Yes	Transfer to inheritance with Father about 15 years.
PLU of Member ID 71	1988	2.05	Yes	Yes	Transfer to inheritance with mother about 36 years.
PLU of Member ID 287	2000	4.48	Yes	Yes	Transfer to inheritance with Father about 15 years.
PLU of Member ID 300	2001	5.53	Yes	Yes	Transfer to inheritance with mother about 23years.

Assessor Notes: Although the land acquisition is after November 2005 without HCV assessment, the LUCA process has been done by RSPO

Previous land owner / user comment

Feedbacks: : The land acquisitions were conducted participatory by both seller and buyer, witnessed and signed by surrounding lands-owners and village official. There is no coercion in land acquisition. There is no conflict during acquisition process and after land acquisition.



Audit Team verification and response:

There were no any negative issue. Land acquisition letters have been verified, also based on consultation with Village Head, it is concluded that the land acquisition processes have been conducted with FPIC manner and comply with the law of Department of Land. Moreover, there were no potency of dispute found in the field.

3.5 Impartiality and conflict of interest

During this assessment there was no circumstances or pressure that had influenced the independence or confidentiality of the assessment team.

Formal Signing-off of Assessment Conclusion and Recommendation

The audit objectives have been achieved and the certificate scope is appropriate. Based on the results of this audit, it is concluded that Lumnam Kadae Pattana Oil Palm Community Enterprise Group has complied with the Independent Smallholder Standard 2019 and audit criteria identified within the audit report. It is deemed that the management system has achieved its intended outcomes. Therefore, it is recommended that Lumnam Kadae Pattana Oil Palm Community Enterprise Group is remain certified.

Report prepared by	Acceptance of Assessment Conclusion
Name: Mr. Supiwat Nentakong	Name: Miss Aurainan Phonphai
Company Name: on behalf BSI Malaysia Services Sdn Bhd.	Company Name: Lumnam Kadae Pattana Oil Palm Community Enterprise Group
Title: Client Manager	Title: Group Manager
Signature: Supiwat Nentakong	Signature: Aurainan Phonphai
Date: 16/08/2024	Date: 16/8/2024



Appendix A: Summary of Findings

Criterion	/ Indicator	Assessment Findings	Compliance		
Principle 1: Optimise productivity, efficiency, positive impacts and resilience Implement professional and transparent operations to secure sustainable livelihood improvements.					
Criteria 1.1 Smallholders establish a legal entity which has organizational capacity to comply with the RSPO Independent Smallholder Standard.					
Eligibility	 Legally registered entities have documented evidence to include: Legal formation (as per country requirements) Fair and transparent decision making and governance Additional documents per requirements for Group Formation and Management. Signed or thumb printed Smallholder Declaration from all smallholder members, reference Annex 2 (see appendix 1 for details needed in declaration). 		Complied		



 The Group manager had prepared smallholder declaration letter for group members. All group members have signed a declaration letter acknowledging and understanding the terms for applying to become group members. Sampling the signed declaration letter as following;

Existing member:

- Member ID: 71 (Chayan C.) Joining group on 26 Aug 2020, Signed agreement and Smallholder Declaration letter on 24 Aug 2020.
- Member ID: 183 (Kanchana P.) Joining group on 12 Dec 2019, Signed agreement and Smallholder Declaration letter on 24 Aug 2020.
- Member ID: 261 (Kanjanee K.) Joining group on 29 May 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020.

Existing member with additional plot:

- Member ID: 71 (Chanya C.) Joining group on 26 Aug 2015, Signed agreement and Smallholder Declaration letter on 24 Aug 2020.
- Member ID: 267 (Chutarat K.) Joining group on 07 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020.

New member:

- Member ID: 270 (Pinyo M.) Joining group on 07 Jul 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023.
- Member ID: 271 (Sinnarong N.) Joining group on 03 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023.
- Member ID: 283 (Phongpan A.) Joining group on 16 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023.



Milestone A

Group manager and group members have an Internal Control System (ICS) that meets all the ICS Eligibility and MS A requirements (section 3.2 below) and complete training on oil palm pricing mechanisms, financial management, and best practices for smallholder organisations.

The group has implemented an internal control system by following the documents "The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" issued on 26 Dec 2023.

The organization structure of ICS, qualification and responsibilities of Group manager, group committee and group members as defined in "The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" pg. 3-9.

Based on document verification, group manager, group committee and group member who were sampled could show proof of their qualification as identified.

- Found revised appointment letter of the Group manager and ICS group committee (25 persons) on 30 Jan 2023 as indicate in group committee announcement of Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Responsibilities of the Group manager and other positions (e.g. Group manager, Sustainability department, Occupational health and safety department, Garden management department, Social and Labor department) are defined in the ICS manual.
- Found application form with personal documents of group members which had qualification as identified and signed declaration letters e.g. Suniya P. (signed application on 22 Feb 2020, signed declaration letter on 29 May 2020), Nkhaya K (signed application on 13 Feb 2023, signed declaration letter on 07 July 2023).

Group has implemented ICS process as identified in "The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" such as;

- New member registration
- Document and Record control
- Training

Complied

bsi.

		 Internal Audit Complaint and grievances Monitoring and sorting products The Group manager established plan for implementation of ICS at least once a year, which was conducted as Business plan for Y2023 and the latest Business plan for Y2024-2025 which was specified training during Jan - Dec of every year, such as: ICS RSPO ISH standard GAP, BMPs, IPM Occupational health and safety. Training on oil palm pricing mechanisms, financial management, and best practices for group members was conducted in annual group meeting on 17 Feb 2024 with 273 participants. Based on document verification and interviewed sampled members e.g. found that member ID: 183 (Kanchana P.), member ID: 261 (Kanjanee K.) have 	
Milestone B	Smallholder groups are operating in accordance to best management practices for groups, including: • Fair and transparent decision-making and governance • Sustainable financial management	 attended this training course. The fair and transparent decision-making and governance is demonstrated through various activities such as; Group members can perceive related information e.g., performance of the last year, current status of group, changing of group regulation through group meetings or other communication e.g. line application, face to face. Decisions are reached through group consensus during group meetings. Initially, the group committee organizes to establish criteria. Subsequently, they hold a meeting with group members to present and ask their opinions, allowing for adjustments to be made. If there are no objections, the established criteria are then announced. 	Complied

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		In terms of sustainable financial management, the document review revealed that Lumnam Kadae Pattana Oil Palm Community Enterprise Group demonstrated positive performance. The group's performance shows that the group was able to recruit new members as planned and receive continuous support in purchasing FFB products by Seang Siri Agro Industries Co., Ltd. as reported in annual group meeting on 17 Feb 2024.	
Criteria 1. Smallholde	rs have the capacity to effectively manage their farm.		
Eligibility	Not Applicable	Not applicable	Not Applicable
Milestone A	Smallholders complete training on farm business operations, monitoring and planning. The training includes capacity building on record keeping for production, including inputs and yields, transactions, and variety.	 Lumnam Kadae Pattana Oil Palm Community Enterprise Group has held trainings related to palm oil business. The trainings have been conducted as follows: Training on Agricultural Management which presented by Mr.Teeraphong Channiyom (agricultural expert) from Oil Palm and Palm Oil Research and Innovation Institute, Prince of Songkla University on 05 Aug 2023, with 80 participants. Training on Group management, RSPO ISH standard and data collection by Ms. Auraiwan Phonphai, Group manager on 07 Jul 2023, with 57 participants, and 17 Feb 2024 with 273 participants. Based on interview, all member had recorded their production information in the forms which were prepared by group and then submitted their forms to the group's facilitator to verify and gather into the database every year. 	Complied
Milestone B	Smallholders are managing their farms effectively and maintain records of production and transaction data of all FFB sale	Based on field observation to sampling group members, found that group members are managing their farm effectively and maintain records of production and transaction data as follow; • FFBs were sold to Seang Siri Agro Industries Co., Ltd.	Complied

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		 Records of production and sale of FFB by individual members have consistently record the FFB production and sales. Sample seen of transaction data of FFB sale: Weighing receipt from Seang Siri Agro Industries Co., Ltd. to Kanchana P. regarding sales of FFB on 20 Jun 2024, total weight 2,430 kg. received 12,636 baht. Weighing receipt from Seang Siri Agro Industries Co., Ltd. to Kanjanee K. regarding sales of FFB on 16 Jun 2024, total weight 1,120 kg. received 5,600 baht. 	
Criteria 1	.3		
Smallholde	rs implement good agricultural practices (GAP) on their farms.		
Eligibility	Smallholders commit to implementing good agricultural practices on their farms. (Reference Smallholder Declaration, 1.1.E, Annex 2).	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has developed an application form and smallholders declaration letter which outlines the necessity to implement good agricultural practices in their farms.	Complied
		The Smallholders' Declaration form signifies members' commitment to implementing Good Agricultural Practices (GAP) on their farms, and it is signed by each member. Currently, there are 273 group members. Examples of these members can be found in the group's documents, as follows: • Member ID: 183 (Kanchana P.) Joining group on 12 Dec 2019, Signed agreement and Smallholder Declaration letter on 24 Aug.	
		Signed agreement and Smallholder Declaration letter on 24 Aug 2020. • Member ID: 261 (Kanjanee K.) Joining group on 22 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020.	
		 Member ID: 271 (Sinnarong N.) Joining group on 03 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. 	

		Member ID: 300 (Wichanon N.) Joining group on 27 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2024.	
Milestone A	Smallholders complete training on Good Agriculture Practices (GAP).	From verified the training year plan of 2023 and interviewed sample members found the group provide training as follows:	Complied
		 Training on Agricultural Management (including GAP) which presented by Mr.Teeraphong Channiyom (agricultural expert) from Oil Palm and Palm Oil Research and Innovation Institute, Prince of Songkla University on 05 Aug 2023, with 80 participants. Training on Group management, RSPO ISH standard and data collection (including GAP) by Ms. Auraiwan Phonphai, Group manager on 07 Jul 2023, with 57 participants, and 17 Feb 2024 with 273 participants. The training courses were conducted by the Group manager and agricultural expert. Most of trainers have a competence of each topic to training. 	
Milestone B	Smallholders have adopted GAP on their farms and are tracking productivity through, but not limited to, records of FFB sales.	Based on field observations conducted in group member areas, such as those of member IDs 71,183, 259, 270, 283 and 300, it was evident that smallholders are effectively managing their farms and diligently maintaining records of production and transaction data. Moreover, they have implemented GAP in accordance with the procedure in "The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" and training that has been delivered such as not applying blanked spraying, not using paraquat, and conducting pest and disease control properly.	Complied
		Additionally, the auditor noted that the weed condition and garbage management in several plots were satisfactory, indicating good farm management practices across various areas within the group.	

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Comply wi	th the law and respect communities' rights						
Criteria 2 Smallholde	.1 It is have legal or customary rights to use the land in accordance with nation	onal and local la	ws, and	d custom	nary practices		
Eligibility	Smallholders provide the coordinates or maps of their plots and evidence of ownership, or rights to use the land (refer to appendix 1).	established a call group men address, ID co status, plantin gathered from membership ap	comprehabers, ode, and year specificopplication	nensive of encomp dencomp dencording to coording to coordinate to coordina	Palm Community Enterprise database containing the land assing member details such ate points, along with land total area. This information ent data in various formats, it and related documents such a submitted by the members	d holdings of th as name, d ownership n has been including the as copies of	Complied
Milestone A	Smallholders can demonstrate legal ownership or native and/or customary rights to use the land or demonstrate that they are in the process of legalisation of that right.			Complied			
	process of regulation of analysis	Smallholder	Plot	ID	Land title type and No.	Area (Ha)	
		Chayan C.	2	71	SorPorKor Plot no 3429	1.69	
		Kanchana P.	5	183	SorPorKor Plot no 3228	7.53	
		Chutarat K.	4	267	SorPorKor Plot no 3268	3.62	
		Pinyo M.	4	270	SorPorKor Plot no 1820	3.82	
		Phongpan A.	1	283	NorSor3Kor Plot no.886	2.13	
		Wichanon N.	1	300	Title Deed No. 39760	5.53	
Milestone B	Smallholder plots are clearly and visibly demarcated and maintained, and the smallholders are operating only within these boundaries.	2.1 MS A) show maintained. Al	v that a I smallh	ll land bo	the example smallholder (roundaries are clearly present an display their land bounda ed always indicates the leg	t, visible and aries e.g. for	Complied

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		and the concrete pillar numbers. The concrete pillars provided by related organizations, such as the Department of Land, were marked as the boundary of the land. Moreover, based on stakeholder consultation to interested parties, there is no boundary overlapping with other landowner.	
Criteria 2.	2		
Smallholder approach.	rs have not acquired lands from indigenous peoples, local communities o	r other users without their free, prior and informed consent, based on a s	simplified FPIC
Eligibility	For existing plots, smallholders can demonstrate that they have not acquired land without free, prior and informed consent of indigenous peoples, local communities or other users (refer to appendix 1).	Based on document verification, land acquisition of all members was found as both of land title deeds and a certificate from the related government department, however the smallholder never acquires land from indigenous peoples, local communities, or other users without their Free, Prior and Informed Consent (FPIC) based on a simplified FPIC approach.	Complied
Milestone A	For existing plots, smallholders can demonstrate that they have not acquired land without free, prior and informed consent of indigenous peoples, local communities or other users (refer to appendix 1).	Based on document verification, land acquisition of all members was found as both of land title deeds and a certificate from the related government department, however the smallholder never acquires land from indigenous peoples, local communities, or other users without their Free, Prior and Informed Consent (FPIC) based on a simplified FPIC approach.	Complied
Milestone B	For existing plots, smallholders can demonstrate that they have not acquired land without free, prior and informed consent of indigenous peoples, local communities or other users (refer to appendix 1).	Based on document verification, land acquisition of all members was found as both of land title deeds and a certificate from the related government department, however the smallholder never acquires land from indigenous peoples, local communities, or other users without their Free, Prior and Informed Consent (FPIC) based on a simplified FPIC approach.	Complied
Criteria 2.			
The right to	o use the land is not disputed by indigenous peoples, local communities	or other users	

Eligibility	Smallholders declare any existing disputes on the land commit to resolving said disputes and provide information on the current status of those disputes (if any) (refer to appendix 1)	Based on document verification found that all group members hold land deeds and land utilization certificates for their land used of oil palm cultivation and no evidence of any land claim, dispute, or	Complied
	of those disputes (if any) (refer to appendix 1).	complaints raised from the indigenous, stakeholders, community leaders, governmental officer, therefore the customary right was not applied.	
		Based on interviewed of sample members, head of village and related stakeholder organization found currently there are no land disputes between group members or with indigenous peoples, local communities or other users.	
		Apart from that, they also have a land conflict resolution mechanism which member has been perceived by smallholder declaration and communicated these mechanism to members by training e.g. Social and Environmental including FPIC training course on 17 Feb 2024 by Mr.Thitinai Pongpiriyakit, STA Senior master trainer with 273 participants.	
Milestone A	There is an absence of disputes among indigenous peoples, local communities or other users, regarding land, resource-use and access rights; or where there is a dispute, dispute resolution processes are implemented, and the process is accepted by all parties involve	Based on document verification and interviews with sample members, there is no evidence of any land claims, disputes, or complaints raised by indigenous people, stakeholders, community leaders, government officers, or local communities. Furthermore, from stakeholder consultations, no disputes were found among indigenous peoples, local communities, or other users.	Complied
Milestone B	There is an absence of disputes among indigenous peoples, local communities or other users, regarding land, resource-use and access rights; or where there is a dispute, dispute resolution processes are implemented, and the process is accepted by all parties involve	Based on document verification and interviews with sample members, there is no evidence of any land claims, disputes, or complaints raised by indigenous people, stakeholders, community leaders, government officers, or local communities. Furthermore, from stakeholder consultations, no disputes were found among indigenous peoples, local communities, or other users.	Complied
Criteria 2.	4		



Smallholde Interpretat		tected areas, as defined by national, regional or local law or as specific	ed in National
Eligibility	as Smallholder plots are located outside of areas classified as national parks or protected areas defined by national, regional or local law, or as specified in National Interpretations (refer to appendix 1).	The result of the document review and interviewing during the audit found all plots of group members are located outside of areas classified as national parks or protected areas as defined by national, regional, or local law or as specified in National Interpretation.	Complied
Milestone A	Smallholder plots are located outside of areas classified as national parks or protected areas as defined by national, regional or local law, or as specified in National Interpretations (refer to appendix 1).	Furthermore, the latest Land Use Change Analysis report dated 09 Apr 2024, indicated that the Lumnam Kadae Pattana Oil Palm Community Enterprise Group's area consists of five land cover types: Oil Palm,	Complied
Milestone B	Smallholder plots are located outside of areas classified as national parks or protected areas as defined by national, regional or local law, or as specified in National Interpretations (refer to appendix 1).	Open Land, Agriculture, Rubber, and Shrub. The Final Conservation Liability (FCL) value applied is 0.00 ha.	Complied
communitie	es and/or other users , based on a simplified FPIC approach.		
Eligibility	For new oil palm planting, smallholders commit not to clear or acquire land from indigenous people, local communities, or other users without their free, prior and informed consent, based on a simplified FPIC	These criteria are not applicable because the group has no plans for new oil palm planting or the development of new areas. All sampled members have checked their plot coordinates and maps to confirm	Not Applicable
	approach (refer to appendix 1).	their boundaries and oil palm planted areas and interviewed about	
Milestone A	A Smallholders complete training on how to conduct a simplified FPIC approach.	previous landowner and land used. Furthermore, the auditor has verified related documents, such as the new planting plan of the group to confirm the information from site verification.	Not Applicable
Milestone B	Based on a simplified FPIC approach, smallholders jointly agree on a plan with the affected indigenous peoples and/or local communities and/or other rights holders, including vulnerable groups, for new oil palm developments, if these involve land-use change.	However, all group members have signed the Smallholder Declaration, committing not to clear or acquire land from indigenous people, local communities, or other users.	Not Applicable

Complied



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Principle 3: Respect human rights, including workers' rights and conditions

Safeguard human rights and protect workers' rights, ensuring safe and decent working conditions.

Criteria 3.1

There is no use of forced labour.

Eligibility

Smallholders commit to no use of forced labour and ensure that any use of forced labour on the farm is terminated at Eligibility. They provide information on the source of labour on the farm, including family, contract and hired labour (refer to appendix 1).

The group already established Policy and the information as prohibited forced labour Discrimination, and Trafficking to ensure that any use of forced labour on the farm is terminated. The policy was state at page no. 2 of 56 of Internal control system manual of Lumnam Kadae Pattana Oil Palm Community Enterprise Group Rev. 26 Dec 2023, that also include related source of worker, gender, type of activity, etc. Based on an interview with Ms. Uraiwan P. (Group manager) and sampling 39 members, they provide information on the source of labour on the farm, including family, contract and hired labour requirements found that they were able to show a signed declaration regarding not using workers from forced labor practices and that the casual worker conducts the job voluntarily.

Sampling signed declaration by members as follows:

Existing member:

- Member no. 75; commit to no use of forced labour and ensure that any use of forced labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 26 Aug 2015 and signed the declaration on 24 Aug 2020
- Member no. 54; joining date 29 Oct 2013, commit to no use of forced labour and ensure that any use of forced labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 29 Oct 2013 and signed the declaration on 24 Aug 2020

Existing member with additional plot:

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		 Member ID 210; joining date 11 Dec 2019, commit to no use of forced labour and ensure that any use of forced labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 11 Dec 2019 and signed the declaration on 24 Aug 2020 Member ID 77; joining date 26 Aug 2015, commit to no use of forced labour and ensure that any use of forced labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 26 Aug 2015 and signed the declaration on 24 Aug 2020 	
		 New member: Member ID 293 #3; joining date 24 Feb 2023, Orientation on date 7 Jul 2023, commit to no use of forced labour and ensure that any use of forced labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders and signed the declaration on 7 Jul 2023. Member ID 296 #3; joining date 24 Feb 2023, Orientation on date 7 Jul 2023, commit to no use of forced labour and ensure that any use of forced labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders and signed the declaration on 7 Jul 2023. 	
Milestone A	Smallholders complete training on free and fair labour and implement measures to ensure that all work is voluntary, and the following practices are prohibited: Retention of identity documents including but not limited to passports; Payment of recruitment fees by workers; Contract substitution; Involuntary overtime;	Lumnam Kadae Pattana Oil Palm Community Enterprise Group, has provided refresh training to all members and their casual workers (Harvesters, fertilizers and sprayers) on 17 Feb 2024 was attended by 273 members. The material provided at the training includes: RSPO requirement - Prohibition of Discrimination, Forced Labor and Trafficking - Prohibition of employing minors and prohibition of Using Child labor - Prohibited of Retention of identity documents including but not limited to passports, Payment of recruitment fees by workers,	Complied

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	 Lack of freedom of workers to resign; Penalty for termination of employment; Debt bondage; Withholding of wages 	 Contract substitution, Involuntary overtime, Lack of freedom of workers to resign, Penalty for termination of employment, Debt bondage, Withholding of wages Manpower socialization, including: workers' rights, work contracts, standardization of wages, working overtime, termination of employment in accordance with applicable laws and regulations. Base on interviewed employees to gather their feedback and understand their perspectives on the training and labor practices. They scheduled follow-up audits to check for sustained compliance and ongoing effectiveness of the training. 	
Milestone B	Workers on the farm, including their families, have unrestricted access to their identity documents, have freedom of movement and can declare that their employment is freely chosen.	All workers in the plot, including their families, have the right of access to obtain the casual work agreement. For all casual workers no need the issued the contract agreement. - Based on interviews and verified the acknowledgment with harvest workers during field visit to confirm they no use of forced labour i.e. Existing member: Member no. 75 and Member no. 54 - Existing member add plot planted: Member ID 210 and Member ID 77 - New member: Member ID 293 and Member ID 296 - Casual worker: Mr. Manit and Mr. Teerasak That they were given the freedom to access or to services to all farmers and could freely option for the jobs and other employer.	Complied

Criteria 3.2

Children are not employed or exploited. Work by children is acceptable on family farms, under adult supervision and when not interfering with education programmes. Children are not exposed to hazardous working conditions.



Eligibility

Smallholders are aware of what defines child labour and ensure that any child labour in the farm operations is terminated at Eligibility. Awareness of child labour and commitment to no child labour includes:

- 1. Compliance with the minimum age of workers and as defined by local, state, or national law,
- 2. Not exposing children to hazardous work.
- 3. Providing adult supervision of young people working on the farm.
- 4. Ensuring the practice of children's rights to education is unrestricted and respected.

(Refer to appendix 1).

Lumnam Kadae Pattana Oil Palm Community Enterprise Group has a policy regarding the prohibition of Child labour, the policy was state at page no. 2 of 56 of "The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" issued on 26 Dec 2023.

- 1) For Group members not to employ children under 18 years of age.
- 2) And for children aged 15-17 years, if they work in the field with the aim of helping their parents (family worker), it must be under parental supervision, and not do risky jobs such as picking the dropped fruit.

All members were signed declaration to commit to not use child labour since register group members.

Sampling signed declaration by members as follows:

Existing member:

- Member no. 75; commit to no use of child labour and ensure that any use of child labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 26 Aug 2015 and signed the declaration on 24 Aug 2020
- Member no. 54; joining date 29 Oct 2013, commit to no use of child labour and ensure that any use of child labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 29 Oct 2013 and signed the declaration on 24 Aug 2020

Existing member with additional plot:

- Member ID 210; joining date 11 Dec 2019, commit to no use of child labour and ensure that any use of child labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 11 Dec 2019 and signed the declaration on 24 Aug 2020
- Member ID 77; joining date 26 Aug 2015, commit to no use of child labour and ensure that any use of child labour on the farm by acknowledge and signed the agreement for Sustainable Palm

Complied

		 oil smallholders on 26 Aug 2015 and signed the declaration on 24 Aug 2020 New member: Member ID 293 #3; joining date 24 Feb 2023, Orientation on date 7 Jul 2023, commit to no use of child labour and ensure that any use of child labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders and signed the declaration on 7 Jul 2023. Member ID 296 #3; joining date 24 Feb 2023, Orientation on date 7 Jul 2023, commit to no use of child labour and ensure that any use of child labour on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders and signed the declaration on 7 Jul 2023. 	
Milestone A	 Group managers and smallholders implement measures to protect children as follows: There are no workers on smallholder farms under the age of 15 or under the minimum age defined by local, state or national law, whichever is higher. Children are only permitted to help on family farms and are not permitted to perform dangerous, hazardous or heavy work. If young workers are employed, their work is not mentally or physically harmful and does not interfere with their schooling, if applicable. 	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has a policy regarding the prohibition of Child labor, the policy was state at page no. 2 of 56 of Internal control system manual of Lumnam Kadae Pattana Oil Palm Community Enterprise Group Rev. 26 Dec 2023. The result of interviewed and filed observation with 39 sample members and 2 casual workers revealed that there was no child labour under 18 years of age who were employed. Based on verifying the casual workers' lists of the Y2023 and Y2024 period, it is known that there are no workers under 18 years of age. The youngest worker (casual worker), born in May 2000, is currently 24 years old.	Complied
Milestone B	Group managers and smallholders implement measures to protect children as follows: 1. There are no workers on smallholder farms under the age of 15 or under the minimum age defined by local, state or national law, whichever is higher.		Complied

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	 Children are only permitted to help on family farms and are not permitted to perform dangerous, hazardous or heavy work. If young workers are employed, their work is not mentally or physically harmful and does not interfere with their schooling, if 		
	applicable.		
Criteria 3	.3		
Workers' p local regula		lards as defined by national law or collective bargaining, whichever takes	priority in
Eligibility	Smallholders commit to pay workers according to minimum legal requirements or mandatory industry standards (Refer to appendix 1).	The group was able to show a signed declaration regarding providing workers wages in accordance with the minimum requirements in applicable laws and the Thai Labor Protection Act BE 2541 announced on 1 Jan 2024. Minimum wage at Suratthani Province is 345 Baht/day.	Complied
		Based on document of Logbook and weighing Billing record in accordance with the type of work they do:	
		- Harvest work of 700-1,000 Baht per ton, including transportation to factory	
		- Pruning work on average 15-20 baht per tree	
		- fertilization work of 50 baht per bag	
		- Spraying work of 150 baht per litter	
		- Weed control by manual (using machinery) of 10 baht per tree	
Milestone A	Workers receive payments as expected and agreed in accordance with at least the legal minimum wage rate (excluding overtime premiums) and without discrimination against vulnerable groups, including	At the time of this audit conducted a document (Record payment / receipt) verification, based on the verification of harvesters' wages/pay record for the period of Jan-Jun2024 such as	Complied
	women.	Record payment of wages on : 9 Jun 2024	
Milestone B	Workers receive payments as expected and agreed in accordance with at least the legal minimum wage rate (excluding overtime premiums)	On behalf of: Mr. Jakrit T. On behalf of: Mr. Jakrit T.	Complied
ט	at least the legal minimum waye rate (excluding overtime premiums)	Plot owner/Farmer: Member ID 054 The state of the s	
		Type of Work: harvesting	

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	and without discrimination against vulnerable groups including women.	 Total Weight: 3.20 MT Wages received by workers: 1,600 Baht (500 baht/MT) for 4 casual worker (400 baht/person/day) The payment of harvest wages is in accordance with the agreement in the harvester's employment contract and also has not been identified as discrimination against workers both men and women. Based on the harvester's wage payment record above, Farmers provides worker's wages above the Minimum wage. During the field assessment interviews were conducted with Casual workers members and verified the record that the payment had been made fairly and no discrimination. 	
Criteria 3.		discrimination.	
	nderstand their rights and freedom to file a complaint/grievance to Group	manager or relevant third parties, including RSPO.	
Eligibility	Smallholders commit to respect the rights of workers to file a complaint/grievance (Refer to appendix 1).	The group member signed a declaration to respect worker's rights to file a complaint/grievance. Verified the sampling member who signed a declaration to commit that respect the rights of workers to file a complaint such as members.	Complied
Eligibility		file a complaint/grievance. Verified the sampling member who signed	Complied



Existing member with additional plot:

- Member ID 210; joining date 11 Dec 2019, commit to respect the rights of workers to file a complaint/grievance by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 11 Dec 2019 and signed the declaration on 24 Aug 2020
- Member ID 77; joining date 26 Aug 2015, commit to respect the rights of workers to file a complaint/grievance by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 26 Aug 2015 and signed the declaration on 24 Aug 2020

New member:

- Member ID 293 #3; joining date 24 Feb 2023, Orientation on date 7 Jul 2023, commit to respect the rights of workers to file a complaint/grievance on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders and signed the declaration on 7 Jul 2023.
- Member ID 296 #3; joining date 24 Feb 2023, Orientation on date 7 Jul 2023, commit to respect the rights of workers to file a complaint/grievance on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders and signed the declaration on 7 Jul 2023.

The manual has explained the mechanism for handling complaints from members and workers. Based on the document verification related manual of Lumnam Kadae Pattana Oil Palm Community Enterprise Group that the worker can submit the complaint to the group on many channels for example the complaint box, Group telephone number, and via LINE application.

From verified by sampling members interviewed, including stakeholder interviewed on ASA 1_4 , there have been no complaints from either member farmers or workers including all stakeholders.

Milestone A	Smallholders complete training on workers' rights to file a complaints/grievance and communicate to workers the means to file a complaint/grievance.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has a mechanism of External and Internal Complaints state on Internal control system manual of Lumnam Kadae Pattana Oil Palm Community Enterprise Group Rev. 26 Dec 2023. This procedure explaining that: "members or other parties (external) can submit suggestions or complaints submitted to the Group manager (Ms.Auraiwan Phonphai/Group Manager.) in written form, complaints can also be submitted through the group Manager and Lumnam Kadae Pattana Oil Palm Community Enterprise Group office ". This procedure has been socialized to all farmers and all casual workers lasted on 17 Feb 2024 via annual meeting, The material provided at the training includes: 1) Prohibition of Discrimination, Forced Labour and Trafficking 2) Prohibition of employing minors and prohibition of Using Child Labour as well. 3) workers' rights, work contracts, standardization of wages, freedom of association, working overtime, termination of employment in	Complied
Milestone B	Workers are aware of and have access to an effective means for filing a complaint/grievance.	accordance with applicable laws and regulations. Result from interview with sampling 39 members and 2 casual workers representative confirmed that they are aware complaints and grievance mechanism. They can also demonstrate their understanding of the process for compliance and grievance. Also on interview with harvester, they said that they have been provided awareness to submit the grievance through suggestion box in the office of LUMNAM Group or phone all and Line application directly to Group manager. They also said that until current, there is no grievance/or complaint need to be submitted. The record on the farm record book showed no evidence of any dispute and complaints raised by stakeholder, community leader,	Complied

Criteria 3	5	governmental officers, and local communities even though they know the right to give the complaints and grievances regarding the group and group members activities. In period June 2023 to May 2024 no suggestions or complaints were posted through the suggestion box.	
Working co	inditions and facilities are safe and meet minimum legal requirements.		
Eligibility	Smallholders commit to providing safe working conditions and facilities (Refer to appendix 1).	The group established the Occupational health and safety stated on "The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" issued on 26 Dec 2023 including the smallholder declaration letter. The group members signed a declaration to provide safe working conditions and facilities for the workers. From sampling 39 members and 2 casual workers representative, found the PPE had to prepared by casual workers. The matrix PPE is the guide for workers when they are working in oil Palm plot plants such as Harvesters and chemical sprayers should be wearing Safety helmets, Safety boots, and Safety glasses, Spraying workers should be wearing aprons, Chemical masks, Rubber Hand gloves, Safety Glasses, etc. is guide for workers lasted group provide training on 31 Jan 2024 for 70 participate including casual workers.	Complied
Milestone A	Smallholders, workers, and family members complete training and aware of health and safety risks associated with farm work, (including that of pesticide use) and how to mitigate them	The group reviewed the risk assessment on occupational health and safety in the year 2024 for all member and casual workers on 17 Feb 2024, Identified risks on occupational health and safety by separate in each group, such as infrastructure & environment, Materials, equipment, tools, working equipment, the working person's behaviour and the health. The result of the risk assessment was no high-risk level for the medium risk. The group has an action plan to monitor during an internal audit and educated the group member yearly.	Complied

Milestone B	Workers, including smallholder family members, have access to safe working conditions and amenities that include: Safe and adequate housing, where applicable, Access to basic first aid supplies Health and safety equipment, including minimum personal protective equipment (PPE) if appropriate for the type of work. Adequate drinking water Access to toilets	Training for OHS and safety risk associated with farm work (including that of pesticide/paraquat usage and risk identification as well) and how to mitigate them has been conducted on 31 Jan 2024 for 70 participants 17 Feb 2024 for 273 participate, respectively. Including the group has monitored the accident case and investigation system related to the recording of work accidents in the form verification and monitoring interview with several farmers and harvester, there are no records related to work accidents from June 2023 to May 2024. Based on sampling 39 members and 2 casual workers to interviewed such Existing members: Member no. 75 and Member no. 54, Existing members add plot planted: Member ID 210 and Member ID 77, New member: Member ID 293 and Member ID 296 and Casual worker: Mr. Manit and Mr. Teerasak), they can demonstrate and safety equipment if appropriate for the type of work by themselves (casual workers). The workers arranged Adequate drinking water by themselves, farmers/group members provided only some soft drinks, and access to toilets was not restricted. During field observation, the first aid kit provided met the standard. Evidence of first aid kit provision is available. Casual workers including family members have access to safe working conditions and amenities. Each worker and smallholder has their housing. They can be demonstrated during an audit.	Complied
Criteria 3. There is no	discrimination, harassment, or abuse on the farm.		
Eligibility	Smallholders commit to no discrimination, harassment or abuse on the farm (Refer to appendix 1).	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has policies related to discrimination, violence, forced labour and abuses at work based on "The ICS manual Lumnam Kadae Pattana Oil Palm	Complied



Community Enterprise Group" issued on 26 Dec 2023 including the smallholder declaration letter.

The policy explains: "prohibition of discrimination gender, religion, political affiliation, ethnicity, and others), prohibition against forced labour, prohibition of detention. Worker's wages if the worker resigns and prohibits trafficking in persons / labour in any form".

This policy has been communicate to all members and all casual workers at of LUMNAM Group at the time with this policy was socialized to all members and workers at the time via annual meeting lasted on 17 Feb 2024. This socialization was attended by 273 members and casual workers, attendance lists and materials can be shown during the audit.

All of Smallholders have commit and signed the agreement and smallholder declaration statement which stated at point "No discrimination, harassment or abuse on the oil palm plantation".

For example

Existing member:

- Member no. 75; commit to no discrimination, harassment or abuse on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 26 Aug 2015 and signed the declaration on 24 Aug 2020
- Member no. 54; joining date 29 Oct 2013, commit to no discrimination, harassment or abuse on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 29 Oct 2013 and signed the declaration on 24 Aug 2020

Existing member with additional plot:

 Member ID 210; joining date 11 Dec 2019, commit to no discrimination, harassment or abuse on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 11 Dec 2019 and signed the declaration on 24 Aug 2020

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		 Member ID 77; joining date 26 Aug 2015, commit to no discrimination, harassment or abuse on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders on 26 Aug 2015 and signed the declaration on 24 Aug 2020 New member: Member ID 293 #3; joining date 24 Feb 2023, Orientation on date 7 Jul 2023, commit to no discrimination, harassment or abuse on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders and signed the declaration on 7 Jul 2023. Member ID 296 #3; joining date 24 Feb 2023, Orientation on date 7 Jul 2023, commit to no discrimination, harassment or abuse on the farm by acknowledge and signed the agreement for Sustainable Palm oil smallholders and signed the declaration on 7 Jul 2023. 	
Milestone A	Smallholders complete training on workplace discrimination, harassment and abuse and are aware of need for a safe workspace.	LUMNAM group had to provided training on workplace discrimination, harassment and abuse and are aware of need for a safe workspace for all group members and casual workers as follows - 41 New members trained on 7 Jul 2023 via orientation program - 70 casual workers trained on 31 Jan 2024 - And all members refresh training on 17 Feb 2024 via annual meeting The attendance lists and materials can be shown during the audit. Based on sampling members and casual worker to interviewed such - Existing member: Member no. 75 and Member no. 54 - Existing member add plot planted: Member ID 210 and Member ID 77 - New member: Member ID 293 and Member ID 296 - Casual worker: Mr. Manit and Mr. Teerasak.	Complied



		They can demonstrate and there is no practices of discrimination, harassment and abuse on workplace.	
Milestone B	Workers freely express that they are working in a place that is free from discrimination, harassment or abuse.	Based on sampling members and casual worker to interviewed such - Existing member: Member no. 75 and Member no. 54 - Existing member add plot planted: Member ID 210 and Member ID 77 - New member: Member ID 293 and Member ID 296 - Casual worker: Mr. Manit and Mr. Teerasak, They can demonstrate on workers freely express that they are working in a place that is free from discrimination, harassment or abuse. Furthermore, there is no record of discrimination, harassment or abuse submitted through the complaint/grievance procedure, village head or local government.	Complied

Principle 4: Protect, conserve and enhance ecosystems and the environment

Protect the environment, conserve biodiversity, enhance ecosystems and ensure sustainable management of natural resources.

Preamble

High Conservation Value (HCVs) and High Carbon Stock (HCS) forests

This Independent Smallholder Standard is pursuing the objective of the RSPO Smallholder Strategy to increase smallholder inclusion, prioritise improved practices which also benefit smallholder livelihoods, whilst also upholding the core sustainability requirements. This includes the protection of areas of HCV and HCS forests. The RSPO has developed a simplified HCV methodology for identifying, protecting and managing HCVs that provides guidance for both existing and new planting (see here).

Aligned with the new HCS requirements in the RSPO 2018 P&Cs, the RSPO, in consultation with the HCSA Steering Group, intends to develop a simplified combined HCV-HCS approach to identify and protect HCS forests. The simplified and combined HCV-HCS approach for independent smallholders will be open to public consultation and will be published no later than November 2020.

In the meantime, independent smallholders are not allowed to clear any primary forests or any areas required to protect or enhance HCVs and HCS forests, as committed by signing the Smallholder Declaration. Until the simplified combined HCV-HCS approach and tool for independent smallholders is available, new plantings will only be permitted in low risk areas. The definition and procedure for identification of low risk areas will be defined by a Smallholder No Deforestation Task Force.



Remediation and Compensation Procedure (RaCP)

Remediation and compensation are required for any clearance since November 2005 without prior HCV assessment (see criterion 4.2) and any clearance since November 2019 without prior HCS assessment.

The requirements as outlined in the RaCP (2015) is not fully applicable for independent smallholders. For independent smallholders, this RSPO ISH Standard is focused on developing an appropriate RaCP mechanism such as on-site remediation (with funding mechanisms to be determined) as this is contextually appropriate to the scale of independent smallholder production and enables independent smallholders to maximise positive environmental impact on-site. The requirement means that quantified liability is disclosed and assessed through a land use change analysis (LUCA) supported by the RSPO Secretariat.

Criteria 4.1

High Conservation Values (HCVs) on the smallholder plot or within the managed area and High Carbon Stock (HCS) forests identified after November 2019 using the simplified combined HCV-HCS approach, are managed to ensure that they are maintained and/or enhanced.

Simplified combined they free approach, are managed to choose that they are maintained and/or childrened			
Eligibility	Smallholders commit to protect HCVs and HCS forests through the precautionary practices approach (Refer to appendix 1).	During ASA1- year 2024, there no change information related to HCVs and HCS. Lumnam Kadae Pattana Oil Palm Community Enterprise Group and all smallholder members have committed to protect HCV area and maintain HCV area. HCV assessment has been conducted in 07 Nov – 15 Dec 2023 by internal assessor from ICS Lumnam Kadae Pattana Oil Palm Community Enterprise Group and Facilitator GIZ. Internal assessor has been trained by facilitator from GIZ.	Complied
		The LUCA assessment report "Lumnam Kadae Pattana Oil Palm Community Enterprise Group /High Conservation Value (HCV) Lumnam Kadae Pattana Oil Palm Community Enterprise Group " dated 09 April 2024.	
		- This report calculates the compensation liability for Lumnam Pattana Oil Palm Community Enterprise Group (KADAE) for 78 plots The spatial data submitted to RSPO has been processed, and all the smallholder areas consisted of vegetation coefficient 0.00 in November 2005. The total area of all assessed plots is 232.66 ha.	
		The total area of raw liability for this ISH group is 226.13 ha. However, since the land clearing was involved with only 0.00 vegetation coefficient, the Final Conservation Liability (FCL) value applied to	

		Lumnam Kadae Pattana Oil Palm Community Enterprise Group is 0.00 ha. - Remediation area identified in KADAE due to the peatland area is 25.73 ha, due to steep slope (>40%) is 0 ha, and due to river buffer is 0.03 ha (overlap with small river buffer). Hence, the total area is 25.76 ha. - Consider the summary points above; the reviewer concluded that LUC Analysis of Lumnam Kadae Pattana Oil Palm Community Enterprise Group Surat Thani Province, Thailand, the status of the LUCA report for KADAE ISH is "Pass".	
Milestone A	 Smallholders complete training on and are aware of: The importance of maintaining and conserving HCVs and HCS forests Human-wildlife conflict; and Rare, threatened and endangered species and important ecosystems. 	The group member trained on HCVs and HCS practices and are aware of riparian buffer zone management approach on 27 October 2023; by separate training in each area such as as Banjerdburi Grand Ballroom meeting room and following the 2023 -2024Training plan and following the 2024 Training plan as record No. TR-P-01. Verifying during the audit found the content of training material covered all of the topics in the indicator and trained by Mr.Teerapong Chantaraniyom (Agricultural Specialist). Verifying the evidence of the training founded training plan as form TR-P-01, training record as	Complied
		record no.TR-R-02 and Training attendance sheet as record no. TR-R-01. Conducted the training on 17 Feb 2024. Based on document verification and interviewed sampled members found that all member and labor attended important training courses as following; - 41 New members trained on 7 Jul 2023 via orientation program - 70 casual workers trained on 31 Jan 2024	
		- And all members refresh training on 17 Feb 2024 via annual meeting The attendance lists and materials can be shown during the audit.	

		Based on sampling members and casual worker to interviewed such - Existing member: Member no. 75 and Member no. 54 - Existing member add plot planted: Member ID 210 and Member ID 77 - New member: Member ID 293 and Member ID 296 - Casual worker: Mr. Manit and Mr. Teerasak.	
Milestone B	Smallholders implement precautionary practices and manage and maintain rare, threatened and endangered species, HCVs and HCS forests, where applicable	The group demonstrated a basic understanding of the availability of the primary forest and HCV areas surrounding the certification unit. Based on interview with smallholder members during audit, confirmed that they aware regarding the RTE species protection and wildlife in the smallholder plots. Wildlife hunting is prohibited by the policy of Lumnam Kadae Pattana Oil Palm Community Enterprise Group. and also regulation. All of the planted areas after November 2005 by the group members have been developed before the date they joined the group certification. In the QM "Lumnam Kadae Pattana Oil Palm Community Enterprise Group" Dated 1 Dec 2023, protection measures have been regulated which include not catching or injuring, not keeping and selling them, letting animals pass, marking the path, and reporting findings Based on the HCV assessment report, no RTE or HCV is available within any smallholder's area. The date of land development and first oil palm planting is recorded and made available at the group manager's office. Based on an interview with the sampling group manager, they have communicated the procedure/mechanism for group members to report any HCV threats.	Complied
Criteria 4.	2		



Where the existing smallholder plot has been planted and cleared after November 2005 or is on an area identified as HCS forests after November 2019 up to the eligibility period, a RaCP process appropriate for smallholders based on Land Use Change Analysis (LUCA) will be applicable (reference preamble).

period, a R	period, a RaCP process appropriate for smallholders based on Land Use Change Analysis (LUCA) will be applicable (reference preamble).			
Eligibility	Smallholders provide information on all smallholder plots converted and planted with oil palm after 2005, through use of the simplified combined HCV- HCS approach for Smallholders (Refer to appendix 1).	Based on verification of year crop in member of certification of Lumnam Kadae Pattana Oil Palm Community Enterprise Group , there was crop planted after November 2005 which is: April 2006 - 31 July 2023. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has reported to the RSPO as a follow-up to the RSPO regulations that planting years after November 2005 must be carried out LUCA (Land use change Analysis). Lumnam Kadae Pattana Oil Palm Community Enterprise Group has communicate with RSPO Secretariat about planting years and LUCA Analysis. Based on document review, there was observed that LUCA Analysis report has been done by RSPO and published on 09 April 2024. The conclusion in the report stated that landcover in categorized as coefficient 0 or non-forest (non-tree plantation or palm oil, bare soil, low vegetation, fruit trees, vegetable crops). Total final compensation liability is 0 hectare and remediation area are 0 hectare. Records of correspondence with RSPO is available, Lumnam Kadae Pattana Oil Palm Community Enterprise Group send their email on 31 July 2024. Smallholder member has signed the commitment in "Lumnam Kadae Pattana Oil Palm Community Enterprise Group " which stated in point 11 that "No new planting or no expansion of existing farms in primary forests, HCV areas, HCS forests, in riparian areas, or on steep slopes (more than 25 degrees or as in National Interpretation)". Smallholder also commit to provide information to group manager among others: • Location (coordinates) of all plots currently planted with oil palm • Information on all plots converted and planted with oil palm after 2005 (through use of the simplified combined HCV-HCS approach for Smallholders)	Complied	

		Details on plans for vanishting and supposing of all palms	
		Details on plans for replanting and expansion of oil palm.	
Milestone A	Group members develop a plan to identify the maximum area for onsite remediation of HCVs lost since 2005 and HCS forests lost since November 2019, through a participatory process and the plan is submitted to RSPO.	Based on verification of year crop in member of certification of Lumnam Kadae Pattana Oil Palm Community Enterprise Group, there was crop planted after November 2005 which is: April 2006 - March 2017. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has reported to the RSPO as a follow-up to the RSPO regulations that planting years after November 2005 must be carried out LUCA (Land use change Analysis). Lumnam Kadae Pattana Oil Palm Community Enterprise Group has communicate with RSPO Secretariat about planting years and LUCA Analysis. Based on document review, there was observed that LUCA Analysis report has been done by RSPO and published on 09 April 2024. The conclusion in the report stated that landcover in categorized as coefficient 0 or non-forest (non-tree plantation or palm oil, bare soil, low vegetation, fruit trees, vegetable crops). Total final compensation liability is 0 hectare and remediation area are 0 hectare. Records of correspondence with RSPO is available, Lumnam Kadae Pattana Oil Palm Community Enterprise Group send their email . Records was sighted and reviewed such as Letter document "Lumnam Kadae Pattana Oil Palm Community Enterprise Group" dated 26 Dec 2023	Complied
Milestone B	An RSPO-approved plan to remediate for HCVs lost since 2005 and HCS forests lost since November 2019 is implemented.	Audit ASA1_4, there is no new additional members or plot in the scope of audit, therefore there is no changing in the Land Use Change Analysis Based on verification of year crop in member of certification of Lumnam Kadae Pattana Oil Palm Community Enterprise Group , there was crop planted after November 2005 This audit ASA 1_4: • 6 Existing members resigned, Total land area is 51.145 ha with Oil Palm Planted area is 42.35 ha • 1 Existing member change (reduce) area, Total land area reduce is 0.95 ha	Complied



• 41 new members, Total land area is 207.454 ha with Oil Palm Planted area is 165.13 ha

10 existing members add oil palm plot, Total land area is 23.059 ha with Oil Palm Planted area is 23.06 ha (12 Oil Palm plot planted). However although the existing members expand their planted areas or have new plots registered with the group, those 34 plots and the new member total 23 plot are not developed from the protected area to palm oil planation which is not considered as the new plating development. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has reported to the RSPO as a follow-up to the RSPO regulations that planting years after November 2005 must be carried out LUCA (Land use change Analysis). Lumnam Kadae Pattana Oil Palm Community Enterprise Group has communicate with RSPO Secretariat about planting years and LUCA Analysis. Based on document review, there was observed that LUCA Analysis report has been done by RSPO . completed on 09 April 2024. Previous land use change analysis is applicable.

There is no environmental remediation and conservation liability according to LUCA report by RSPO. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has reported the disclosure form to RSPO, Land Use Change Analysis has been conducted and review by RSPO. Report of Land Use Change Analysis available in "Smallholder Land Use Change Analysis for Lumnam Kadae Pattana Oil Palm Community Enterprise Group " dated 09 April 2024 . According to LUCA report conclude that:

- Result of LUCA Analysis Methodology Review: Passed
- Final conservation liability: 0.00 ha
- Environmental remediation areas: in KADAE area is 25.76 ha, consists of 0.03 ha due to an overlap plot with river buffer and 25.73 ha



		overlapping plots with peatland. There are no plots located on steep slope (>40%).verify no peatland area	
		- Total number of smallholders: 52	
		Total area to be certified: 234.03ha. based on the analysis result, the reviewer concluded the status for KADAE LUCA analysis is Pass.	
Criteria 4	.3		
New plantii	ng of independent smallholders, since November 2019:		
• Do	not replace any HCVs		
• Do	not replace any HCS forests as defined by the simplified combined HCV-	-HCS approach	
• Are	e not on steep slopes (more than 25 degrees or as in the National Interp	retation)	
• Are	e not on peat areas of any depth.		
Eligibility	Smallholders provide information on all planned new plantings and commit that no new planting are on HCVs or HCS forests, on steep slopes (more than 25 degrees or as in the National Interpretation) or on peat (Refer to appendix 1).	During audit ASA1_4, based on interview with smallholder members, ICS and head cooperatives it was confirmed that there is no planned for new plantings for their plantation. All member plantations are existing palm oil plantation. There is no more land bank in surrounding plantation of Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Smallholder member has signed the commitment in "" which stated in point 11 that "No new planting or no expansion of existing farms in primary forests, HCV areas, HCS forests, in riparian areas, or on steep slopes (more than 25 degrees or as in National Interpretation)". Smallholder also commit to provide information to group manager among others:	Complied
		- Location (coordinates) of all plots currently planted with oil palm	
		- Information on all plots converted and planted with oil palm after	
		2005 (through use of the simplified combined HCV-HCS approach	
		for Smallholders).	



- Any plots located on steep slopes.
- Details on plans for replanting and expansion of oil palm.

Sample seen for 39 smallholder member commitment, among others Existing member:

- Member ID: 71 (Chayan C.) Joining group on 26 Aug 2020, Signed agreement and Smallholder Declaration letter on 24 Aug 2020.
- Member ID: 183 (Kanchana P.) Joining group on 12 Dec 2019, Signed agreement and Smallholder Declaration letter on 24 Aug 2020.
- Member ID: 261 (Kanjanee K.) Joining group on 29 May 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020.

Existing member with additional plot:

- Member ID: 71 (Chanya C.) Joining group on 26 Aug 2015, Signed agreement and Smallholder Declaration letter on 24 Aug 2020.
- Member ID: 267 (Chutarat K.) Joining group on 07 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020.

New member:

- Member ID: 270 (Pinyo M.) Joining group on 07 Jul 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023.
- Member ID: 271 (Sinnarong N.) Joining group on 03 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023.

Member ID: 283 (Phongpan A.) Joining group on 16 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023



Milestone A	Before any land preparation commences, group members develop an integrated management plan through a participatory approach to maintain or enhance HCVs as well as HCS forests identified after November 2019, as identified by the simplified combined HCV and HCS approach, before any land preparation commences	Based on data of palm oil planting Lumnam Kadae Pattana Oil Palm Community Enterprise Group, there is no oil palm planted after November 2019. Mostly smallholder plots have been planted since 2001 – May 2015. This also confirmed with liability disclosure form submit to RSPO. During audit ASA1_4, based on interview with smallholder members, ICS and Group manager it was confirmed that there is no planned for new plantings for their plantation. All member plantations are existing palm oil plantation. Sample seen for 39 smallholder member commitment, among others. they will not carry out new planting in HCV areas or HCS forests, areas with steep slopes (more than 25 degrees or as stipulated in the National Interpretation), SEIA evaluation date on. 8-11 Sep 2023 or on peat on the declaration form. Moreover, the group was surveyed and monitored yearly during the internal audit. There are currently no HCV set-asides with existing rights of local communities that have been identified. As such, there are no negotiated agreements with the local communities regarding the protection of HCVs and ownership of local communities.	Complied
Milestone B	Smallholders have an RSPO approved integrated management plan for their planned new planting and share a notice of this plan with those involved in the participatory mapping before any land preparation commences.	Based on data of palm oil planting Lumnam Kadae Pattana Oil Palm Community Enterprise Group, there is no oil palm planted after November 2019. Mostly smallholder plots have been planted since 2001 – May 2015. This also confirmed with liability disclosure form submit to RSPO.	Complied
		During audit ASA1_4, based on interview with smallholder members, ICS and Group manager it was confirmed that there is no planned for new plantings for their plantation. All member plantations are existing palm oil plantation.	

Where smallholder plots exist on peat, subsidence and degradation of peat soils is minimised by use of best management practices.



Eligibility	Group manager confirms presence of peat on existing plots within the	The group have not the presence of peat on existing plots within the	Complied
Liigibility	group and smallholders on peat commit to using best management practices (BMPs), and minimizing subsidence and degradation of peat soils (Refer to appendix 1).	group and smallholder. The member signed a declaration to commit	Complica
		that no new planting on peat and replanting on peat only in areas with	
		low risk of flooding and saline intrusion. Moreover, commit to using of	
		BMPs (Best management practices). Sampling sign declaration from.	
		Sampling the signed declaration letter as following;	
		Existing member:	
		Member ID: 71 (Chayan C.) Joining group on 26 Aug 2020,	
		Signed agreement and Smallholder Declaration letter on 24 Aug	
		2020.	
		Member ID: 183 (Kanchana P.) Joining group on 12 Dec 2019,	
		Signed agreement and Smallholder Declaration letter on 24 Aug	
		2020.	
		Member ID: 261 (Kanjanee K.) Joining group on 29 May 2020, Circulate and Carelline Idea Books and Idea and 20 May 20 Ma	
		Signed agreement and Smallholder Declaration letter on 29 May	
		2020.	
		Existing member with additional plot:	
		Member ID: 71 (Chanya C.) Joining group on 26 Aug 2015, Signed agreement and Smallholder Declaration letter on 24 Aug.	
		Signed agreement and Smallholder Declaration letter on 24 Aug 2020.	
		Member ID: 267 (Chutarat K.) Joining group on 07 Feb 2020,	
		Signed agreement and Smallholder Declaration letter on 29 May	
		2020.	
		New member:	
		Member ID: 270 (Pinyo M.) Joining group on 07 Jul 2023,	
		Signed agreement and Smallholder Declaration letter on 07 Jul	
		2023.	
		Member ID: 271 (Sinnarong N.) Joining group on 03 Feb 2023,	
		Signed agreement and Smallholder Declaration letter on 07 Jul	
		2023.	

	Member ID: 283 (Phongpan A.) Joining group on 16 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023.	
Smallholders complete training on best management practices (BMPs) for peat. The group has an action plan to minimize risk of fire, to apply BMPs for plantings on peat and manage water systems in the certification unit.	According to soil maps overlay and field visit to smallholder member plots, it was confirmed that there is no peat soil in area of Lumnam Kadae Pattana Oil Palm Community Enterprise Group Kadae Pattana Oil Palm Community Enterprise Group has overlay all smallholder plot with soil maps of Land Development Department , Surat Thani , Trang , Nakhon Si Thammarat. province.	Complied
	According to soil maps overlay indicated that there is no peat soil in area of smallholder plantation. Soil maps available in "Land Development Department "with scale 1:250,000 in year 2023.	
	According to soil maps, soil type in smallholder plantation Lumnam Kadae Pattana Oil Palm Community Enterprise Group refer Land Development Department .	
Smallholders implement the group's action plan based on BMPs, including fire and water management, and monitoring of subsidence rate for existing planting on peat.	According to soil maps overlay and field visit to smallholder member plots, it was confirmed that there is no peat soil in area of Lumnam Kadae Pattana Oil Palm Community Enterprise Group.	Complied
	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has overlay all smallholder plot with soil maps of Land Development Department , Surat Thani , Trang , Nakhon Si Thammarat. province. According to soil maps overlay indicated that there is no peat soil in area of smallholder plantation. Soil maps available in "Land Development Department "with scale 1:250,000 in year 2024. According to soil maps, soil type in smallholder plantation Lumnam Kadae Pattana Oil Palm Community Enterprise Group refer Land Development Department .	
	for peat. The group has an action plan to minimize risk of fire, to apply BMPs for plantings on peat and manage water systems in the certification unit. Smallholders implement the group's action plan based on BMPs, including fire and water management, and monitoring of subsidence	Smallholders complete training on best management practices (BMPs) for peat. The group has an action plan to minimize risk of fire, to apply BMPs for plantings on peat and manage water systems in the certification unit. According to soil maps overlay and field visit to smallholder member plots, it was confirmed that there is no peat soil in area of Lumnam Kadae Pattana Oil Palm Community Enterprise Group has overlay all smallholder plot with soil maps of Land Development Department "with scale 1:250,000 in year 2023. According to soil maps, soil type in smallholder plantation Lumnam Kadae Pattana Oil Palm Community Enterprise Group refer Land Development Department. According to soil maps overlay and field visit to smallholder member plots, it was confirmed that there is no peat soil in area of Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has overlay all smallholder plot with soil maps of Land Development Department, Surat Thani, Trang, Nakhon Si Thammarat province. According to soil maps available in "Land Development Department" with scale 1:250,000 in year 2024. According to soil maps, soil type in smallholder plantation Lumnam Kadae Pattana Oil Palm Community Enterprise Group refer Land Development Department "with scale 1:250,000 in year 2024. According to soil maps, soil type in smallholder plantation Lumnam Kadae Pattana Oil Palm Community Enterprise Group refer Land Development Department "with scale 1:250,000 in year 2024. According to soil maps, soil type in smallholder plantation Lumnam Kadae Pattana Oil Palm Community Enterprise Group refer Land



		As mentioned per 4.4 E, The group have not the presence of peat on existing plots within the group and smallholder. There is no need action plan being implemented as there is no peat soil in Lumnam Kadae Pattana Oil Palm Community Enterprise Group		
	Criteria 4.5 Plots on peat are replanted only on areas with low risk of flooding or saline intrusion as demonstrated by a risk assessment.			
Eligibility	Smallholders commit to provide information on all plans for replanting and commit that replanting will only be in areas with low risk of flooding or saline intrusion (Refer to appendix 1).	During ASA1_4, 24-28 Jun2024, the auditor team has reviewed the soil maps available in "Lumnam Kadae Pattana Oil Palm Community Enterprise Group" with scale 1:25,000-year 2024 shown that generally plantation of Lumnam Kadae Pattana Oil Palm Community Enterprise Group was far from the river or sea and there is no risk of flooding, in addition there is no peat soil in area of Lumnam Kadae Pattana Oil Palm Community Enterprise Group. Also, all smallholder member of Lumnam Kadae Pattana Oil Palm Community Enterprise Group has signed the commitment letter which stated in point 13 that "No new planting on peat and replanting on peat only in areas with low risk of flooding and saline intrusion". The auditor teams have taken 39 smallholder sample from each farmer group. Sample seen for Smallholder commitment declaration Existing member: • Member ID: 71 (Chayan C.) Joining group on 26 Aug 2020, Signed agreement and Smallholder Declaration letter on 24 Aug 2020. • Member ID: 183 (Kanchana P.) Joining group on 12 Dec 2019, Signed agreement and Smallholder Declaration letter on 24 Aug	Complied	

		N TD 064 (W : W) 7 :	1
		Member ID: 261 (Kanjanee K.) Joining group on 29 May 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. - Value of the control	
		Existing member with additional plot:	
		Member ID: 71 (Chanya C.) Joining group on 26 Aug 2015, Signed agreement and Smallholder Declaration letter on 24 Aug 2020.	
		Member ID: 267 (Chutarat K.) Joining group on 07 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020.	
		New member:	
		 Member ID: 270 (Pinyo M.) Joining group on 07 Jul 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. 	
		 Member ID: 271 (Sinnarong N.) Joining group on 03 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. 	
		Member ID: 283 (Phongpan A.) Joining group on 16 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023.	
Milestone A	Smallholders with plots on peat complete training on identification of future risks of flooding or saline intrusion and alternate land	During ASA1_4, in 24-28 Jun 2024, the auditor team has reviewed the soil	Not Applicable
	development strategies.	maps available in " Lumnam Kadae Pattana Oil Palm Community Enterprise Group " with scale 1:25,000-year 2021 shown that	
		generally plantation of Lumnam Kadae Pattana Oil Palm Community Enterprise Group was far from the river or sea and there is no risk of	
		flooding, in addition there is no peat soil in area of Lumnam Kadae	
		Pattana Oil Palm Community Enterprise Group Although the area	
		does not have any peat area , the group has provided training about	
		identification of future risks of flooding or saline intrusion and	
		alternate land development strategies.to its members. From the	

		interviews, it was found that the members understand the training content and seen for Smallholder commitment declaration .	
Milestone B	Prior to replanting on peat smallholders complete a risk assessment related to flooding or saline intrusion and, where there is high risk, present a plan that includes alternate land development strategies, referencing alternative livelihood planning.	During ASA1_4, in 24-28 Jun 2024, the auditor team has reviewed the soil maps available in "Lumnam Kadae Pattana Oil Palm Community Enterprise Group "with scale 1:25,000-year 2021 shown that generally plantation of Lumnam Kadae Pattana Oil Palm Community Enterprise Group was far from the river or sea and there is no risk of flooding, in addition there is no peat soil in area of Lumnam Kadae Pattana Oil Palm Community Enterprise Group . Record on training implementation the RSPO ISH requirement, HCV awareness and socialization the ICS policy to all smallholder member as per document of Lumnam Kadae Pattana Oil Palm Community Enterprise Group year 17 Feb 2024. According to soil maps overlay and field visit to smallholder member plots, it was confirmed that there is no peat soil in area of Tapi-Ipun Sustainable Oil Palm community Enterprise Group. Therefore, this indicator is not applicable.	Not Applicable
Criteria 4			
Fire is not	used on the oil palm plot for preparing land or for pest control, nor open	· · · · · · · · · · · · · · · · · · ·	
Eligibility	Smallholders commit to no burning for preparing land or for pest control, nor open fire for waste management. Group manager records evidence of prior burning of members joining the group (Refer to appendix 1).	During ASA 4- year 2024, the auditor team has interview with smallholder member of Lumnam Kadae Pattana Oil Palm Community Enterprise Group that smallholder's sample has shown the commit to no burning for preparing land or for pest control, nor open fire for waste management The smallholder has signed the commitment letter which stated in point 15 that "No burning for preparing land or pest control".	Complied
		Sample seen for Smallholder commitment declaration	
I		Existing member:	

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		 Member ID: 71 (Chayan C.) Joining group on 26 Aug 2020, Signed agreement and Smallholder Declaration letter on 24 Aug 2020. Member ID: 183 (Kanchana P.) Joining group on 12 Dec 2019, Signed agreement and Smallholder Declaration letter on 24 Aug 2020. Member ID: 261 (Kanjanee K.) Joining group on 29 May 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. Existing member with additional plot: Member ID: 71 (Chanya C.) Joining group on 26 Aug 2015, Signed agreement and Smallholder Declaration letter on 24 Aug 2020. Member ID: 267 (Chutarat K.) Joining group on 07 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. New member: Member ID: 270 (Pinyo M.) Joining group on 07 Jul 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. Member ID: 271 (Sinnarong N.) Joining group on 03 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. Member ID: 283 (Phongpan A.) Joining group on 16 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. Based on interview with head of Lumnam Kadae Pattana Oil Palm Community Enterprise Group , there is no land preparing by burning. Land preparation conducted mechanically. 	
Milestone A	There is no physical evidence of new burning (after eligibility) for land preparation for oil palm by smallholders. Smallholders complete training on and are aware of:	During ASA 1_4year 2024, the auditor team has interview withsmallholder member of Lumnam Kadae Pattana Oil Palm Community Enterprise Group that smallholder's sample has signed the commitment letter which stated in point 15 that "No burning for	Complied

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	 Alternatives to fire for land preparation and farm waste management (where appropriate possible). Alternatives to fire for pest control. Fire prevention and how to respond to and manage fires in their plots. 	preparing land or pest control". Based on interview with head of Lumnam Kadae Pattana Oil Palm Community Enterprise Group, there is no land preparing by burning. Land preparation conducted mechanically. This also confirmed with smallholder member sampled (39 member) during field visit and interview Lumnam Kadae Pattana Oil Palm Community Enterprise Group has a procedure for land preparation as under name "Lumnam Kadae Pattana Oil Palm Community Enterprise Group ". The procedure covers: • Land Clearing Procedure — SOP Lumnam Kadae Pattana Oil Palm Community Enterprise Group dated 13 March 2021. • Replanting Procedure — SOP Replanting Lumnam Kadae Pattana Oil Palm Community Enterprise Group dated 13 March 2021. According to procedure, the land preparation conducted mechanically without burning. Training for Fire handling on palm oil plantation has been conducted by facilitator dan ICS to smallholder member. The training was attended by 273 smallholder members. Evidence: attendance list, photograph, training material. The training also has included alternatives to fire for land preparation and farm waste management, alternatives to fire for pest control and fire prevention and how to respond to and manage fires in their plots. They conducted assessments or quizzes to test participants' knowledge and retention of the training content	
Milestone B	Smallholders do not use fire or practice burning for land preparation, waste management or pest control on the farm. For pest control, fire may be used only in exceptional circumstances i.e. where no other	During ASA1_4-year 2024, the auditor has interviewed with smallholder	Complied

	effective measures exist and with prior approval of relevant authority.	member sampled all sampling member 39member) during field visit and interview confirmed that they have aware regarding the prohibition of use fire or practice burning for land preparation, waste management or pest control on their farm. During field audit to smallholder plots has also confirmed that there is no evidence that smallholder members use fire for land preparation, waste management or pest control on their farm.	
Criteria 4. Riparian bu	7 Iffer zones are identified and managed to ensure they are maintained an	d/or enhanced.	
Eligibility	Group manager identifies riparian buffer zones within the group and smallholders commit to no new planting in riparian zones (Refer to appendix 1).	The group member signed a declaration to commit that to commit to no new plantings in riparian zones. Moreover, The best management practice for palm oil was stated in the Lumnam Kadae Pattana Oil Palm Community Enterprise Group group manual on page 32/50 for apply distance between the riparian zones at least 5 meters. Sample seen for Smallholder commitment declaration Existing member: • Member ID: 71 (Chayan C.) Joining group on 26 Aug 2020, Signed agreement and Smallholder Declaration letter on 24 Aug 2020. • Member ID: 183 (Kanchana P.) Joining group on 12 Dec 2019, Signed agreement and Smallholder Declaration letter on 24 Aug 2020. • Member ID: 261 (Kanjanee K.) Joining group on 29 May 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. Existing member with additional plot: • Member ID: 71 (Chanya C.) Joining group on 26 Aug 2015, Signed agreement and Smallholder Declaration letter on 24 Aug 2020.	Complied

		 Member ID: 267 (Chutarat K.) Joining group on 07 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. New member: Member ID: 270 (Pinyo M.) Joining group on 07 Jul 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. Member ID: 271 (Sinnarong N.) Joining group on 03 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. Member ID: 283 (Phongpan A.) Joining group on 16 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. 	
Milestone A	Smallholders complete training on and are aware of riparian buffer zone management, and the group has an action plan to maintain and/or enhance riparian buffer zones.	The group member trained on HCVs and HCS practices and are aware of riparian buffer zone management approach on 27 October 2023; by separate training in each area such as as Banjerdburi Grand Ballroom meeting room and following the 2023 -2024Training plan and following the 2024 Training plan as record No. TR-P-01. Verifying during the audit found the content of training material covered all of the topics in the indicator and trained by Mr.Teerapong Chantaraniyom (Agricultural Specialist). Verifying the evidence of the training founded training plan as form TR-P-01, training record as record no.TR-R-02 and Training attendance sheet as record no. TR-R-01. Conducted the training on 11 Dec 2023. Based on document verification and interviewed sampled members found that all member and labor attended important training courses. Record of training in the form of attendance list, training material and minutes of training are available during audit.	Complied



Milestone B	Smallholders maintain and/or enhance riparian buffer zone areas.	During interview with smallholder member all sampling member 39member) confirmed that they have aware the riparian buffer zone management and maintenance by not conducted the spraying and chemical application and maintain natural vegetation. According to HCV assessment result and maps overlay of plantation maps with river maps of Surat Thani Province confirmed that there is Kadae river near to Lumnam Kadae Pattana Oil Palm Community Enterprise Group There has been riparian in area of smallholder plots. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has a plan to conserve and protect the waterways/water source in area of smallholder plots by marking the boundary of waterways and install the warning signboards to prohibit the agrochemical spraying activity near to waterways. Lumnam Kadae Pattana Oil Palm Community Enterprise Group also planting vetiver grass to prevent the soil erosion near to waterways. During interview and field visit to smallholder plots sampled, smallholders are aware to conserve the waterways by not apply the chemical spraying and fertilizing near to waterways. During field visit to sampled smallholder 39 plots form all sampling 39 smallholder members), it was note that smallholder members are aware to conserve the waterways by not apply the chemical spraying and fertilizing near to waterways.	Complied
Criteria 4			
Pesticides	are used in ways that do not endanger health of workers, family, commu	nities or the environment.	
Eligibility	Smallholders commit to phase out paraquat and pesticides categorized as WHO Class 1A or 1B and those listed by the Stockholm or Rotterdam Conventions by:	The group member signed a declaration committing to phasing out paraquat and pesticides categorized as WHO Class 1A or 1B and those listed by the Stockholm or Rotterdam Convention by actions as required by this indicator and refer to the BMP. Verify the Declaration	Complied



- Immediately stopping purchasing of these pesticides
- Phasing out use of remaining stock by MS A
- Providing information for The Group manager to keep record of pesticide purchase and use.

(Refer to appendix 1)

document during the audit found signature's member on the declaration form state confirmation that phase out paraquat and pesticides categorized as WHO Class 1A or 1B.

During a field visit to smallholder plots and interviews with smallholders, members confirmed that they were aware of stopping purchasing paraquat and no longer using paraquat for weed control. Smallholder members provided a record of pesticide usage and recorded as per "Log Books" on-site found no usage pesticide. ICS Lumnam Kadae Pattana Oil Palm Community Enterprise Group all pesticide/herbicide usage by smallholder members and keep the record in the office. The training has attended by 273 smallholder members.

Record on training implementation the RSPO ISH requirement, HCV awareness and socialization the ICS policy dated with refresh training on 17th February 2024 The training was attended all sampling smallholder's sampling members.

Based on monitoring of list pesticides used in 2023, there was no paraquat and pesticides categorized as WHO Class 1A or 1B. Sample verified during ASA1_4-year 2024 – the pesticides use only Glyphosate-isopropylammonium 480 g/l (trademark: Roll-Up 480)

Milestone A	Smallholders complete training on BMPs for pesticides including pesticide usage, awareness on risks for pregnant and breastfeeding women and young workers; storage and disposal; paraquat and pesticides listed by WHO Class 1A or 1B, the Stockholm or Rotterdam Conventions (and in compliance with 3.5).	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has a policy to prohibit pregnant and breastfeeding woman and young workers for pesticide handling as per "Lumnam Kadae Pattana Oil Palm Community Enterprise Group " dated 25 January 2021. The policy has been disseminated smallholder's member together with refresh training on 17th February 2024 subject: Lumnam Kadae Pattana Oil Palm Community Enterprise Group related to harvesting practices, pesticides application (including pesticide usage, awareness on risks for pregnant and breastfeeding women and young workers; storage and disposal; paraquat and pesticides listed by WHO) and manuring. The training has attended by 273 smallholder members. During field visit to smallholder plots and interview they have demonstrated understanding risks for pregnant and breastfeeding women and young workers. Also, there were no pesticides by pregnant and breastfeeding women and young workers.	Complied
Milestone B	Smallholders implement BMPS for all pesticide use, including prohibiting use of pesticides by pregnant and breastfeeding women and young workers, and exclusion of paraquat and pesticides that are categorized as WHO Class 1A or 1B, or those listed by the Stockholm or Rotterdam Conventions, unless when authorized by relevant authorities for pest outbreaks.	During field visit to smallholder plots and interview e.g: : Member ID: 283 (Phongpan A.) , Member ID: 271 (Sinnarong N.) they have demonstrated implement BMPS for all pesticide use, including prohibiting use of pesticides by pregnant and breastfeeding women and young workers, and exclusion of paraquat and pesticides that are categorized as WHO Class 1A or 1B. Based on review the document of "Lumnam Kadae Pattana Oil Palm Community Enterprise Group " the youngest workers namely Mr Watcharin (pesticides and fertilizer applicator), age: 21 years old. Furthermore, there are no pregnant or breastfeeding women and young workers among the workforce during the audit process	Complied



Criteria 4.9

The group and smallholders manage pests, diseases, weeds and invasive introduced species using appropriate techniques, including but not limited to Integrated Pest Management (IPM) techniques.

Eligibility	Not applicable	Not applicable	Not Applicable
Milestone A	Smallholders complete training on and are aware of BMPs, including, but not limited to safe chemical use, IPM, weed and invasive species management.	During ASA1_4-year 2024, the smallholder member has shown evidence on complete training of BMPs, including, but not limited to safe chemical use, IPM, weed and invasive species management. Record the training on BMP to all smallholder member as per document of Lumnam Kadae Pattana Oil Palm Community Enterprise Group year 2024 ,Date 17th Feb2024, location in plot name Member ID: 271 (Sinnarong N.).Subject: GAP, harvesting procedure, limited on pesticides and integrated pest management training. The training was attended by 39 smallholder members. During field visit to smallholder plots and interview they have demonstrated that the smallholders have following the smallholder's declaration above such good agriculture practices, zero burning policy, no longer use paraquat, using proper PPE during agrochemical.	Complied
Milestone B	The group and smallholders maximize use of IPM approaches to minimize use of pesticides and herbicides on their farm.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has defined the pest and disease control Procedure - SOPLumnam Kadae Pattana Oil Palm Community Enterprise Group dated 13 March 2021. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has demonstrated the record on implementation the best agriculture practices. Sample seen: Report on monitoring of integrated pest control under "Lumnam Kadae Pattana Oil Palm Community Enterprise Group " year 2024. Pest and disease monitoring and census conducted annually. Based on pest and disease monitoring dated March 2023, there were pest attack such as:	Complied

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o Rats: 1.78% o Oryctes: 0.01% o Caterpillar: 0.21% o Ganoderma: 0.041%

- During field visit at Smallholder sample plots and interview, they have demonstrated that the smallholders have following the smallholder's declaration above such us zero burning, no longer use paraquat, using proper PPE during agrochemical.
- Report of Leaf Sample Unit year 2023 for fertilizer recommendation as per "Lumnam Kadae Pattana Oil Palm Community Enterprise Group 2023" updated on 26th September 2023.
- Another action for integrated pest management is conserving the pest biological enemy such as: Snake as enemy for rats, eagle, and barn owl as enemy of rats. smallholders maximize use of IPM approaches to minimize use of pesticides and herbicides on their farm. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has provided the barn owl nest 2 unit (location at smallholder name Member ID: 271 (Sinnarong N.).
- To prevent the caterpillar attack, Koperasi also planting the beneficial plant Turnera subulate along of the main road (±1.5 km updated in June 2023,). Sample seen: Penamaan Turnera, dated January 2024.
- To reduce herbicide usage smallholder member using mechanics way to control the weeds and reduce the herbicide usage.

Internal Control System requirements for smallholder groups.

A – ICS: Group entity and group management requirements

A.1 The Group demonstrates that they are legally formed.

A.1.1



Eligibility	The Group has appointed a Group manager	Ms. Auraiwan Phonphai has been appointed as the Group manager of the Lumnam Kadae Pattana Oil Palm Community Enterprise Group. She has held this position since 2016, as stated in the appointment	Complied
Milestone A	The Group has appointed a Group manager	letter of Group Committee and Group Manager dated 21 Sep 2016, and her appointment has continued as specified in the Appointment letter of the Group manager and ICS group committee dated 30 Jan 2023.	Complied
Milestone B	The Group has appointed a Group manager	The Group manager is the individual and she is one of the group members. The meeting for the announcement of appointment of The Group manager was made available to the group members on 17 Feb 2024 via annual group meeting. All members were acknowledgement and approved Group manager including Group committee.	Complied
A.1.2			
Eligibility	The Group manager has evidence of legal identity.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group is a registered organization according to the Community Enterprise Promotion Act, B.E.2548 (2005) that latest registered with	Complied
Milestone A	The Group manager has evidence of legal identity.	Kanchanadit District Agriculture office of Year 2024 valid till 30 Dec 2024. The registration number is 5-84-02-10/1-0017. As required by Thai laws, the group has to re-register with Kanchanadit District	Complied
Milestone B	The Group manager has evidence of legal identity.	Agriculture Office, Surat Thani Province. The certificate of registration is kept by Group manager at the office.	Complied
A.1.3			
Eligibility	The group has membership requirements.	The group has defined membership requirements in a "The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" issue on 26 Dec 2023 which includes procedures and relevant	Complied
Milestone A	The group has membership requirements.	forms. It covers all activities for the management of the group members.	Complied

NATI I	-	The procedure for new member registration and related member	
Milestone B	The group has membership requirements.	requirements is also stated in the manual under Topic: "Member	Complied
		Registration and meeting", sub-topic: "Member qualification" in pg.10, which includes the details of member qualifications as follows:	
		1) Hold the land right and oil palm plantation area in Surat Thani Province.	
		2) Have an oil palm plantation area not exceeding 312.5 rai and there is freedom in managing the plantation.	
		3) Have decision-making power in land use and production.	
		4) Freedom to choose methods of land use and production.	
		5) Cooperate in participating in training and group meetings regularly.	
		6) Palm plantations are managed according to best management practices.	
		7) Must accept and strictly follow group regulations.	
		Furthermore, land title documents which can be used, such as a title deed, Nor.Sor.3, S.P.K., or certificate of land use as regarded appropriate by the group committee.	
		The implementation for registration has been verified based on a review of the personal files of each member, including the membership application, declaration to implement sustainability standards, ID card, and land rights document. The Group manager or group committee evaluates the readiness of new applicants according to the Smallholder Evaluation Form (Gap Analysis) through interviews and documentary evidence, recording information accordingly. Subsequently, the group will organize orientation provides knowledge and understanding about RSPO standards, internal control systems. Furthermore, smallholders must sign the Agreement for Sustainable Palm Oil Smallholders and	
		Acknowledge the smallholder declaration letter. Following the	

A.1.4		orientation, a survey of the oil palm plot will be conducted to capture GPS coordinates and create members' plot maps. Based on document review, all existing and new members were evaluated against the membership requirements.	
Eligibility	All members have signed and acknowledged membership requirements.	All members of group who joined the Lumnam Kadae Pattana Oil Palm Community Enterprise Group signed the Application letter of membership and Acknowledge the smallholder declaration letter (see criteria 1.3). In addition, they also fulfil the membership requirement	Complied
Milestone A	All members can demonstrate understanding of membership requirements.	as described in indicator A.1.3. Based on interviews with sampled members and sampling records signed and acknowledged, it was found that they can demonstrate understanding of membership requirements such as;	Complied
Milestone B	All members can demonstrate understanding of membership requirements.	 Existing member Member ID: 208 (Banchong W.) Joining group on 12 Dec 2019, Signed agreement and Smallholder Declaration letter on 24 Aug 2020. Member ID: 259 (Suniya P.) Joining group on 22 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. New member Member ID: 283 (Pongphan A.) Joining group on 16 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. Member ID: 287 (Rongroj P.) Joining group on 20 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. 	Complied
A.2 The G	roup manager is responsible for managing the Group for certific	ration.	
A.2.1			

Eligibility	The Group manager has planned for the implementation of the ICS.	The Group manager has arranged the "Internal Control System Plan" as identified in business plan for Y2023, it contains activities and implementation time targets. The plan has been reviewed and approved on 29 Dec 2023 by group chairman and group manager and communicate to all members via the annual meeting on 17 Feb 2024. Some of the programs that including: 1. Recruit members to join the group. 2. Preliminary assessment for new member. 3. Internal audit. 4. Training. 5. Annual meeting. 6. External audit. The ICS has planned and implemented for all the group members.	Complied
Milestone A	The Group manager can demonstrate compliance of the ICS by individual members.	The Group manager has implemented an ICS plan for each member across various activities. Based on document reviewed and interviewed of sample members found that group members have complied with the specified membership recruitment procedures and received a preliminary evaluation and receive training courses as planned.	Complied
Milestone B	The Group manager can demonstrate compliance of the ICS by individual members.	Furthermore, the internal audit for the year 2023 of group members was conducted following the procedure. There was a total of 25 internal auditors appointed by the Group Chairman, and the internal audit was conducted in Nov - Dec 2023 for both existing members and new members.	Complied
A.2.2		Based on interviews with sampled group members, it was found that the ICS plan has been implemented in various activities as planned, including conducting internal audits, group meetings, and training courses.	

Eligibility	The Group manager demonstrates understanding of the ISH Standard, group certification and related topics and has sufficient resources to manage the group.	The Group Manager was able to demonstrate a good understanding of the RSPO ISH Standard. She has attended various training courses related to the RSPO ISH Standard, such as training on the RSPO ISH Standard and ICS on 30 Jul 2022, conducted by Mr. Prapas Nores, a trainer from Master P Development Co., Ltd., and a refresher training on the RSPO Standard, ICS, and related legal aspects of RSPO implementation on 17 Feb 2024, conducted by Mr. Thitinai Pongpiriyakit, STA Senior Master Trainer. The Group manager can effectively allocate resources to manage the group. Existing resources are utilized according to the organizational structure of the group, guided by the direction of the Group manager. This includes the latest appointment of the group committee on 30 Jan 2023, which consists of specific individuals such as;	Complied
		 Sustainability department Garden management department Occupational health and safety department Database and document control department Social and labor department 	
Milestone A	The Group manager can demonstrate capacity to manage and operate group certification and certification requirements.	Based on interview with Group manager confirmed that she has sufficient understanding on RSPO ISH standard for independent smallholder and related topics to RSPO ISH standard. She used her knowledge from several training courses related to RSPO ISH standards and palm oil production to teach the group members. The Group manager can explain the procedures for implement RSPO ISH standard e.g. process for recruiting group members, process of	Complied
Milestone B	The Group manager can demonstrate capacity to manage and operate group certification and certification requirements.	training, process of internal audit, etc. Furthermore, the Group Manager plays an important role in supporting ICS implementation by providing advice, resolving issues related to its implementation, and ensuring compliance with group regulations. Interviewed with the Group Manager and sample group members revealed effective operations by the Group Manager. For example, she	Complied

A.2.3		utilized technology to create a video on how to record production data in the farm book and shared the video with group members via the Line application to enhance their understanding of data recording.	
Eligibility	A group annual training plan is available covering the RSPO Independent Smallholder Standard, group management (which includes group objectives, structure, relevant procedures and the certification process) and other topics as outlined in the ISH Standard.	The group's annual training plan was conducted as identified in the business plan for Y2023, which includes activities and implementation time targets. The plan has been discussed with the group committee, after which it was communicated to group members. Sample programs included in the plan are as follows: RSPO ISH standard ICS (Internal Control System) Price mechanism GAP Garden management BMPs (Best Management Practices) IPM (Integrated Pest Management) FPIC Chemical use Recording of production costs Occupational Health and Safety (OHS) training Training on High Conservation Values (HCVs)	Complied

Milestone A	The Group manager implements a phased approach to ensure members have progressively attended training on the ISH Standard, group management and other topics as outlined in the ISH Standard according to the group annual training plan.	The Group manager provided training to the group members according to the established training plan. The training attended by the members was recorded in attendance sheets, and the training documents were communicated and distributed to the members, and kept in their document folders. Based on document verification and interviewed sampled members found that all member and labor attended important training courses as following;	Complied
		Training courses Date No. of Participants	
		1) Training for refresh knowledge of RSPO by Group manager; - Explain the policy, structure, and criteria of the group RSPO ISH standard Waste management Using fire management Smallholder Declaration HCV, HCS - Conflict between humans and animals - FPIC	
		2) Training for Garden management and Using fertilizer in palm plantations, Collection of soil and leaf samples for IPM analysis by Mr.Theerapong Channiyom from the Oil Palm and Palm Oil Research and Innovation Institute	

		3) Training on Occupational Health and Safety (OHS) and testing of chemicals in the blood Measures for handling workers' complaints by Mr.Somphong Saladkaew Public health technical officer	
		4) Training on Driving the palm oil industry forward. Presented by Mr.Kraiwut Sirianantapat from Seang Siri Agro Industries Co., Ltd.	
		5) RSPO ISH, ICS standards, member-related laws, HCV and HCS, FPIC training course by Mr.Thitinai Pongpiriyakit, STA Senior master trainer	
		Based on the interview and document review, the Group Manager ensured that all members attend the training as scheduled. In camember cannot attend the training, follow-up training and training are shared with the group member via the Line application or provided in hardcopy by the group committees during their visit the member's area.	ase a ining ation
Milestone B	All members attended training and can demonstrate understanding of the ISH Standard, group management and certification requirements including awareness on BMPs, HCV, environmental protection, social welfare of workers and business operations.	Based on field observations of the sample smallholder show that g members and their labours had attended the training course planned.	s as compliance
	wellare of workers and business operations.	However, based on interviews with sampled members, it demonstrated that some members did not fully understand knowledge they received from the training course and could	the

		implement certain aspects, such as monitoring the environment assessment results, as seen with member IDs 175, 276, and 270. Reference the details as Major NC no. 2505023-202406-M1	
B – ICS: I	Policies and management		
B.1 The g	roup Internal Control System contains documented policies and	procedures for operational management.	
B.1.1			
Eligibility	A group Internal Control System is available for operational management including procedures of expulsion and sanctions for members who fail to comply, and a procedure to conduct internal audits	A group ICS is available for operational management including procedures of expulsion and sanctions for members who fail to comply, which are specified in "The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" on page 12 and the procedure for conduct internal audit on page 15-17.	Complied
		 Detail of the procedures define that; Internal audit consists of 1) internal audits for group management and 2) internal audits for group members. Internal audit for group management specify that there will be conducted at least once a year by 2nd party auditor who was approved by group and that assessment and non-conformity shall be completed before the certification body's audit. Internal audit for group members specify that there will be conducted at least once a year by internal auditor who is appointed from group. The process of internal auditors, audit preparation for audit plan, appoint internal auditors, audit preparation, conducting the audit, audit results summary, control of nonconformity and Internal Audit reporting. For the sanction process, it has been identified that members who are found to be non-compliant with the requirements must face consequences. Punishments will be imposed based on the severity of the non-compliance, ranging from verbal warnings 2 times, 	

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		warning letters, and then withdrawal from group membership, which will be considered as the final step.	
Milestone A	The ICS is implemented and an internal audit is conducted for at least half of the group members and all audit findings are closed	The group has shown the implementation of internal audit for 2023. An internal audit in Eligibility, Mile Stone A and Mile Stone B Stage were conducted in Nov - Dec 2023 for both existing members and new members. Additionally, an internal audit for group management was conducted on 26 Apr 2024. According to the method for internal audits, 100% of group members were audited as detailed in the "ICS Manual for Lumnam Kadae Pattana Oil Palm Community Enterprise Group" on page 16. Document review revealed that the internal audit plans were divided into three main areas. For example, Chang Khwa Subdistrict has planned to audit 89 members in the area from 07 Nov – 15 Dec 2023. The audit was conducted as planned, covering 232 existing members and 41 new members. However, the result of internal audit for 2023 as mention in B.1.1 MS-B.	Complied
Milestone B	The ICS is implemented and an annual internal audit of the group is conducted for all group members and all audit findings are resolved.	The group has shown the implementation of internal audit for 2023. An internal audit in Eligibility, Mile Stone A and Mile Stone B Stage were conducted in Nov - Dec 2023 for both existing members and new members. Additionally, an internal audit for group management was conducted on 26 Apr 2024. Data verified of internal audit Y2023 implementation as following; • According to the method for internal audits, 100% of group members were audited as detailed in the "ICS Manual for Lumnam Kadae Pattana Oil Palm Community Enterprise Group" on page 16. Document review revealed that the internal audit plans were divided into three main areas. For example, Chang Khwa Subdistrict has planned to audit 89 members in the area from 07 Nov – 15 Dec 2023. The audit was conducted as planned, covering 232 existing members and 41 new members.	Complied

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		 It was found that the appointment of internal auditors for group members was documented through an appointment letter of internal auditors, in which 25 internal auditors were appointed on 29 Aug 2023. Furthermore, the appointment of the 2nd party auditor for the group management audit was documented through an appointment letter of the 2nd auditor dated 24 Apr 2023. In this letter, 3 people were appointed, including Ms. Daranee P. and Ms. Ausanee P., who are 2nd party auditors in this audit. All internal auditors have passed the RSPO ISH and internal audit training course on 30 Jul 2022 by Mr.Prapas Nores trainer from Master P Development Co.,Ltd. Additionally, the 2nd party auditor has completed the RSPO ISH and internal audit training course on 25-26 Jul 2020 by Mr.Prapas Nores. The was no NC for all internal audit. 	
B.1.2 Eligibility	Basic information, farm information, production data, legal documentation of group members and signed Smallholder Declarations are available to The Group manager	The group has retained all member information, including basic details, farm information, production data, legal documentation of group members, and signed smallholder declarations.	Complied
Milestone	Basic information, farm information, production data, legal	Based on document verifications, interviews with the Group manager, and interactions with group members during field visits, it was confirmed that all members have signed and acknowledged the	Complied
A	documentation of group members and signed Smallholder Declarations are available to The Group manager	membership requirements. All members need to sign in several documents and submitted attach documents as follows:	
Milestone B	Basic information, farm information, production data, legal documentation of group members and signed Smallholder Declarations are available to The Group manager	 Membership application. Power of attorney (if any) Plot location of member. The land ownerships evidence such as a land deed. 	Complied



• Group member regulation and declaration letter for sustainable palm oil smallholders.

For FFB production data, group members have record information in the forms which were provided by group, then their information can be collected and verification by every year via group committees.

Example of a group member data as;

Existing member

- Member ID: 259 (Suniya P.) Joining group on 22 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. Plot 1: Sor Por Kor 4-01 Plot no 3556 covering the production area of 1.44 ha.
- Member ID: 261 (Kanjanee K.) Joining group on 22 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. Plot 2: Sor Por Kor 4-01 Plot no 3356 covering the production area of 3.57 ha.

Existing member with additional plot

- Member ID: 71 (Chanya C.) Joining group on 26 Aug 2015, Signed agreement and Smallholder Declaration letter on 24 Aug 2020. Plot 2: Sor Por Kor 4-01 Plot no 3429 covering the production area of 2.05 ha.
- Member ID: 267 (Chutarat K.) Joining group on 07 Feb 2020, Signed agreement and Smallholder Declaration letter on 29 May 2020. Plot 4: Sor Por Kor 4-01 Plot no 3268 covering the production area of 3.62 ha.

New member

- Member ID: 281 (Saifon P.) Joining group on 16 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul 2023. Plot 1: Sor Por Kor 4-01 Plot no 9592 covering the production area of 7.4 ha.
- Member ID: 300 (Wichanon N.) Joining group on 27 Feb 2023, Signed agreement and Smallholder Declaration letter on 07 Jul



		2023. Plot 1: Title Deed No. 39760 covering the production area of 1.79 ha.			
C – ICS: Group Business planning					
C.1 The g	C.1 The group has a Business Plan prepared with the participation and contributions of all group members				
C.1.1					
Eligibility	An annual group business plan is available, which includes Production and income forecasting based on historical records Plans for expansion	Based on interview and document review, the annual group business plan for Lumnam Kadae Pattana Oil Palm Community Enterprise Group was shown through annual budgets projected from 2023 to 2025. Among the elements covered in the budget are: • FFB forecast. • Certification costs. • Improvement cost. • Production cost. • Expansion plan. • Goal of the business plan. The group has planned to increase the number of members in 2024-2025, therefore incentivizing participating members by supporting the price of selling product 0.20 Baht for certified FFB, which requesting support from Seang Siri Agro Industries Co., Ltd. and received approval on 20 Oct 2023 as identified in MOU between the group and the company.	Complied		
Milestone A	The group business plan is implemented and reviewed at least annually.	Lumnam Kadae Pattana Oil Palm Community Enterprise Group has established the business plans for Y2023-2025. Annual group business plan regarding Production and income forecasting has reviewed at least annually as mentioned in the Business year plan Report including Management review of Seang Siri Agro Industries Co., Ltd. and latest	Complied		
		reviewed by the group committees as in annual group meeting on 17 Feb 2024.			

		The business plan for Y2023 (and some activities in Y2024) was implemented in several activities such as new member registration, orientation and survey plot, training courses related with RSPO ISH standard, internal audit of Y2023.	
Milestone B	The group demonstrates financial stability and growth, and is able to support itself financially.	The Lumnam Kadae Pattana Oil Palm Community Enterprise Group has an Internal Inspection Unit which functions to oversee the operational and financial activities of the association. The group has prepared procedures for controlling financial expenses (Document No. Manual of The Lumnam Kadae Pattana Oil Palm Community Enterprise eff. Aug 2023). The procedure regulates the procedures for spending expenses including the implementation of internal financial audits. Based on the annual group meeting on February 17, 2024, financial support by Seang Siri Agro Industries and the group's financial management were presented to the group members. The financial condition of the Lumnam Kadae Pattana Oil Palm Community Enterprise Group was demonstrated financial stability and growth and presented fairly.	Complied
C.2 The I	CS of the group is integrated with the group's management plan	h	
C.2.1			
Eligibility	A group management plan is available which includes: Training/capacity building plans to improve productivity of group	This group has an annual group business plan which includes: continual improvement plan 2020-2024	Complied
	 An approach to strengthen links within the supply chain. Plan for continuous improvement projects (i.e. on waste, soil, etc.), if any. 	During this ASA1-4, Lumnam Kadae Pattana Oil Palm Community Enterprise Group Group has showed the evidence of training related to RSPO implementation that held within 2023-2024 such as best management practices training, zero burning, integrated pest management, occupational safety and health, management of cooperation, FFB pricing mechanism, supply chain (FFB/CPO/PK production record, sales and stock). Sighted the record of training date on 17 Feb 2024 as follows:	



		 Training for pesticide application Fertilities management in the oil palm plantation Harvesting management Increasing productivity of oil palm Reduce production cost 	
		Social and environment impact plan: - Training - SEIA evaluation - Interested parties survey - Summary result and report	
		Water management plan: - Training for water use in oil palm plantation and water source management - Member filed visit with 100% of all member.	
		Waste management plan: - Training and monitoring of waste management	
		Fuel reducing plan: - Training, visit and summary data information.	
		Cost reducing plan: - Training, soil & leave testing, follow up for soil fertility improvement and fertilizer use, fertilizer applied.	
		According to their business plan, they were implemented as plan and was done annually reviews with lasted done on 17 Feb 2024. Conducting Group manager interviews Gathering feedback directly from member about their understanding and application of the training content	
Milestone A	The group management plan is implemented and reviewed at least annually.	All of management plan has implemented by identified person in charge. When this plan has implemented to the involved person or	Complied



		other related, responsible is report the process and result to group manager and then to report in the meeting again. This plan has reviewed at least once a year with the lasted reviews was done on 17 Feb 2024 (it included group annual meeting). Group manager has reviewer and all of group committee to consideration.	
Milestone B	The Group manager demonstrates the group's compliance with this ISH Standard.	This group has an annual group business plan which includes: continual improvement plan 2020-2024 - Training for pesticide application - Fertilities management in the oil palm plantation - Harvesting management - Increasing productivity of oil palm - Reduce production cost Social and environment impact plan - Training - SEIA evaluation - Interested parties survey - Summary result and report Water management - Training for water use in oil palm plantation and water source management - Member filed visit with 100% of all member. Waste management: training and monitoring of waste management Fuel reducing plan: training, visit and summary data information. Cost reducing plan; training, soil & leave testing, follow up for soil fertility improvement and fertilizer use, fertilizer applied. According to their business plan, they were implemented as plan and was done annually reviews with lasted done on 17 Feb 2024.	Complied

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		The group manager demonstrates the group's compliance with this ISH Standard by registered their group compliance to Thailand legal, registered in RSPO member and palm trace system, set ICS for this group, policy appointment covering to social and environment, set the business plan etc. Finally, the effectiveness of their system will be monitored and reviewed during the annual meeting. Additionally, the auditor verified the effectiveness of this group's system during the onsite audit are maintains.	
D – ICS: G	Group trading system for certified volumes		
D.1 The gi	roup has a procedure and system in place for the tracking of FFE	3.	
D.1.1			
Eligibility	Record sheets to track the annual production and sales of certified volumes, covering traceability of producers and/or traders are available.	The annual production data of Lumnam Kadae Pattana Oil Palm Community Enterprise Group is monitored and recorded in the "Production Data Recapitulation". Sales of FFB are carried out by each farmer/smallholder group and farmer/smallholder members both to traders (FFB collectors), loading ramps and other FFB buyers. Documents are recapitulated by the Group Manager, Group Chairman of the Lumnam Kadae Pattana Oil Palm Community Enterprise Group and ICS. Production records are carried out per parcel/plots. Lumnam Kadae Pattana Oil Palm Community Enterprise Group has developed the procedure of traceability as per SOP of Group Sustainable manual Rev. 1 Dec 2023. Certified product (FFB) was sold by Physical to SPO Agro Industry Co., Ltd. Meanwhile the FFB was sold as uncertified to traders (FFB collectors), loading ramps and other FFB buyers claimed as credit in Palmtrace. Evidence of recording of FFB sales is available in the Recapitulation of Farmers Production document; This document states the amount of FFB production per farmer plot and the purpose for selling the FFB of the farmers. FFB produced by smallholder members are recorded by	Complied

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		each member including FFB net weight, name of smallholder member, ID number, year planted, area, price, and buyer for example record from April 2023 to May 2024. for example, the weighing bill of Member ID . 259 (Suniya P.), was issued on 27 Apr 2024, net FFB volume 2,260 kg. Price 4.90 Baht/kg., add 0.20 Baht/kg. from normal price.	
Milestone A	Group manager maintains annual production records and sales of certified volumes.	This group has an annual group business plan which includes production and income forecasting based on historical records and plans for expansion. Reference to their business plan for 3 year (2020 – 2024). To evaluate the ICS work program, certificate holders have policies related to this in the Annual Evaluation Meeting SOP Document ("The ICS manual Lumnam Kadae Pattana Oil Palm Community Enterprise Group" issued on 26 Dec 2023). This policy aims to serve as a guideline for holding annual evaluation meetings to determine the effectiveness and efficiency of implementing Lumnam Kadae Pattana Oil Palm Community Enterprise Group operational activities. This review is expected to be able to evaluate performance and systems and direct them to better systems according to RSPO references. The management review was attended by all management and farmer members. Auditor has verified credit sold from Palm Trace and certificate with found volume sold as credit in IP model for a group member has to report sales and/or harvested FFB volume to the group manager every three months, both for certified and none certified RSPO. RSPO certified can be traced from the palm trace system as defined in the sustainable manual of FFB purchase of RSPO group members. The group has established the procedures and a system in place for tracking FFB. Their group committee (Ms. Auraiwan. P) has responsible to sell the credit. The group manager has compared FFB volume from the previous year with every 3 months and keeps the result to estimate FFB in the next cycle.	Complied



Milestone B	Group manager maintains annual production records and sales of certified volumes of all FFB sources.	Group manager maintains the annual production and sales of certified volumes, covering traceability of all group members in excel file. Group member has report sale and/or harvested FFB volume to group manager every three months both of sale for certified and none certified RSPO. For RSPO certified can trace from palm trace system by book & claim module as define in documented procedure of FFB purchase of RSPO group members. Group manager has compared FFB volume form previous year with month by month and keep the result	Complied
		to estimate FFB in the next cycle. Auditor has verified credit sold from Palm Trace with found volume sold as credit in IP model .The group has established the procedures and a system in place for tracking FFB. FFB produce by smallholder member are recording in member's logbook by each member and separated sold as certified or non-certified and then the group manager will be reviewed correct data. The data defined to record as FFB net weight, name of smallholder member, ID number, year planted, area, price and buyer name. Their group committee (Ms. Auraiwan P.) has responsible to sell the credit.	
D.2 The g	roup documents and implements a system for the tracking of FF	В	
D.2.1			
Eligibility	Not Applicable	Not Applicable	Not Applicable

Milestone A	The Group manager maintains annual production data and sales of certified volumes through Book and Claim for the group based on actual receipts for and sales by all members	Group manager maintains the annual production and sales of certified volumes, covering traceability of all group members in excel file. Group member has report sale and/or harvested FFB volume to group manager every three months both of sale for certified and none certified RSPO. For RSPO certified can trace from palm trace system by book & claim IP module with amount match with the record from the weighbridge of SPO Agro POM. All of group members are aware of their sold the book and claim method with group manager has informed during meeting every time.	Complied
Milestone B	The Group manager maintains annual production data and sales of certified volumes through physical or Book and Claim for the group based on actual receipts and sales for all members and 100% all certified volumes.	Group manager maintains the annual production and sales of certified volumes, covering traceability of all group members in excel file. Group member has report sale and/or harvested FFB volume to group manager every three months both of sale for certified and none certified RSPO. For RSPO certified can trace from palm trace system by book & claim IP module with amount match with the record from the weighbridge of SPO Agro POM. All of group members are aware of their sold the book and claim method with group manager has informed during meeting every time. This group can be sold as certified to a certified mill through the physical supply chain models (IP, SG or MB); or 100% of FFB can be sold as RSPO Credits CSPO, CSPKO or CSPKE Credits through the RSPO IT platform and trading system; or 100% of FFB can be sold through a combination of physical supply chains and as RSPO Credits.	Complied
D.3 The a	roup has a procedure and system for premium distribution.		
D.3.1	- carp man a procession and a procession and a section and		
Eligibility	The group and Group manager have agreed on how the premiums should be used and the agreement is recorded and communicated to	Evidence of socialization can be demonstrated during audit. Interview with smallholder member confirmed that all smallholder member	Complied

	the group members. Prices, premiums, and timing of premium payment are clearly communicated and transparent to all group members. Premiums disbursed to members at all stages are recorded and the premiums are paid in a timely and convenient manner.	sampled aware and understand regarding the premium sharing mechanism. The group manager informed to group member during the meeting that all members of the certified product sales as premium price were received. The group made the latest document announcement on, as an agreement with the POM to purchase produce from members of the group, signed by Mr. Kraiwut S., who is authorized to sign under 26 Dec 2023 the Laws of SPO Agro Industry Co., Ltd. This premium price payment is made by the POM, which is paid directly to the member who send the FFB to the POM. Example verified document: For example, the weighing bill of Member ID267 (Chutarat K.), was issued on 27 Apr 2024, net FFB volume 2,260 kg. Price 4.90 Baht/kg., add 0.20 Baht/kg. from normal price.	
Milestone A	The disbursement of premiums, including price and timing of the disbursement to group members is clearly recorded.	The group manager informed to group member during the meeting that all members of the certified product sales as premium price were received. The group made the latest document announcement on 2 nd September 2022, as an agreement with the POM to purchase produce from members of the group, signed by Mr. Kraiwut S., who is authorized to sign under the Laws of SPO Agro Industry Co., Ltd. This premium price payment is made by the factory, which is paid directly to the member who send the FFB to the POM. For example, the weighing bill of Member ID.267 (Chutarat K.), was issued on 27 Apr 2024, net FFB volume 2,260 kg. Price 4.90 Baht/kg., add 0.20 Baht/kg. from normal price.	Complied
Milestone B	The disbursement of premiums, including price and timing of the disbursement to group members is clearly recorded.	The group manager informed to group member during the meeting that all members of the certified product sales as premium price were received. The group made the latest document announcement on 26 Dec 2023, as an agreement with the POM to purchase produce from members of the group, signed by Mr. Kraiwut S., who is authorized to sign under the Laws of SPO Agro Industry Co., Ltd. This premium price	Complied



payment is made by the POM, which is paid directly to the member who send the FFB to the POM.	
For example, the weighing bill of Member ID . 267 (Chutarat K.), was issued on 27 Apr 2024, net FFB volume 2,260 kg. Price 4.90 Baht/kg., add 0.20 Baht/kg. from normal price.	



Appendix B: GHG Reporting Executive Summary

The GHG emissions that were produced in **[year]** for **[mill]** and supply base was calculated using the PalmGHG Calculator version 3.0.1. The assessment team had verified the data input in the PalmGHG Calculator against operations records. PalmGHG Calculation Options selected 'Full version' and 'Exclude LUC Emission' calculation option is not applied. The records verified includes:

- i. Estates area planted data
- ii. Fuel consumed
- iii. Mill datas include CPO produced, PKO Produced and FFB Processed
- iv. Fertilizer consumed data for both estates and smallholders.

The summary of the Net GHG emitted in **[YEAR]** for **[MILL]** and supply base are as following:

Emission per product	tCO2e/tProduct	
СРО	N/A	
PKO	N/A	

Extraction	%
OER	N/A
KER	N/A

Production	t/yr
FFB Process	N/A
CPO Produced	N/A
PKO Produced	N/A

Land Use	На
OP Planted Area	N/A
OP Planted on peat	N/A
Conservation (forested)	N/A
Conservation (non-forested)	N/A
Total	N/A

Summary of Field Emission and Sink

	Own Crop*		Group		3 rd Party		Total	
	tCO ₂ e	tCO₂e / FFB	tCO₂e	tCO₂e / FFB	tCO ₂ e	tCO₂e / FFB	tCO₂e	tCO₂e / FFB
Emission								
Land Conversion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CO ₂ Emission from fertilizer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NO ₂ Emission	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Consumption	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peat Oxidation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sink	Sink							
Crop Sequestration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Conservation Sequestration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Note: Includes both estates and smallholders



Summary of Mill Emission and Credit

	tCO ₂ e	tCO₂e/tFFB
Emission	<u>, </u>	
POME	N/A	N/A
Fuel Consumption	N/A	N/A
Grid Electricity Utilization	N/A	N/A
Credit	<u>, </u>	
Export of Grid Electricity	N/A	N/A
Sales of PKS	N/A	N/A
Sales of EFB	N/A	N/A
Total	N/A	N/A

Summary of Kernel Crusher Emission and Credit (if applicable)

Emissions	tCO₂e
PK from own mill	N/A
PK from other source	N/A
Fuel Consumptions	N/A
Total Crusher emissions	N/A

^{*}This mill has no kernel crusher operation.

Palm Oil Mill Effluent (POME) Treatment:		
Divert to Compost (%)	N/A	
Divert to anaerobic diversion (%)	N/A	

POME Diverted to Anaerobic Digestion:		
Divert to anaerobic pond (%)	N/A	
Divert to methane captured (flaring) (%)	N/A	
Divert to methane captured (energy generation) (%)	N/A	

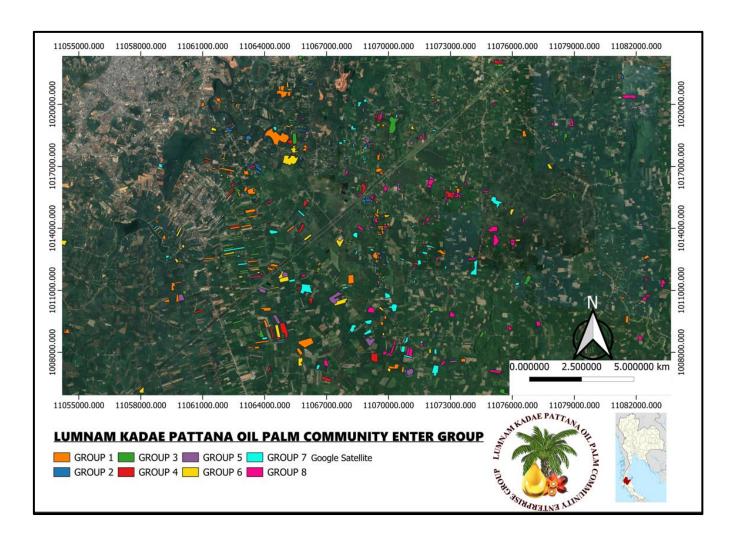


Appendix C: Location Map of Certification Unit and Supply bases

Not Applicable



Appendix D: Estate Field Map



Geographical map of member's plots owned by group members of Lumnam Kadae Pattana Oil Palm Community Enterprise Group



Appendix E: List of Smallholder Registered and/or sampled

Sampling Group	Current Certification	Scope Extension	Other:	
Risk Factor Applied	1.2 (medium risk)	1.2 (medium risk) 2.0 (high risk)		
Justification of Risk Factor Applied	The ISH certification Phase Milestone B	The ISH certification Phase Milestone B		
Number of samples	19 of 232 existing members	13 of 41 new members7 of 10 existing members with additional plots		
Remarks	None.	None.		

No	Name of farmer	Plot No.	Location	GPS Reference		Area Summary (Ha)		Forecasted annual FFB		Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
1	Mr.Sombun Dumluan 1	1	Lamphun,Ban Na San,Suratthani	8°52'9.54"	99°24'39.77"	2.14	2.14	53.47	10/29/2013	1
	Mr.Sombun Dumluan 2	2	Lamphun,Ban Na San,SuratthaniA	8°52'28.19"	99°25'28.72"	0.44	0.44	11.12	10/29/2013	
	Mr.Sombun Dumluan 3	3	Krut, Kanchanadit, Suratthani	9° 3'37.87"	99°31'30.22"	0.71	0.71	17.85	10/29/2013	
	Mr.Sombun Dumluan 4	4	Plaiwas, Kanchanadit, Suratthani	9° 8'23.72"	99°33'47.75"	1.96	1.96	49.03	10/29/2013	
	Mr.Sombun Dumluan 5	5	Plaiwas, Kanchanadit, Suratthani	9°11'31.06"	99°29'12.25"	1.10	1.10	27.41	10/29/2013	
2	Mr.Amnual Saengwijitkul 1	1*	Makham Tia,Mueang, Suratthani	9° 5'42.39"	99°22'29.95"	0.35	0.35	8.87	10/29/2013	2
	Mr.Amnual Saengwijitkul 2	2	Makham Tia,Mueang, Suratthani	9° 5'43.05"	99°22'26.62"	0.35	0.35	8.87	10/29/2013	
3	Miss.Suntree Kerdwongbundit 1	1	Khun Thale,Mueang, Suratthani	9° 2'27.24"	99°21'5.88"	4.09	3.93	98.32	10/29/2013	3
	Miss.Suntree Kerdwongbundit 2	2	Wat Pradu,Mueang, Suratthani	9° 1'33.95"	99°18'11.34"	3.66	3.66	91.55	10/29/2013	
4	Mrs.Chulee Maneechot	1	Khun Thale,Mueang, Suratthani	9° 3'28.11"	99°21'53.05"	3.52	3.04	76.00	10/29/2013	4
5	Mrs.Marasri Khunthongchan 1	1	Thung Tao Mai,Ban Na San,Suratthani	8°58'59.42"	99°24'41.72"	4.81	4.73	118.30	10/29/2013	5
	Mrs.Marasri Khunthongchan 2	2	Thung Tao Mai,Ban Na San,Suratthani	8°58'59.15"	99°24'13.54"	2.62	2.62	65.42	10/29/2013	
	Mrs.Marasri Khunthongchan 3	3	Khun Thale,Mueang, Suratthani	9° 2'22.65"	99°20'51.07"	3.06	3.06	76.45	10/29/2013	
6	Mrs.Sribut Kerdwongbundit 1	1	Khun Thale,Mueang, Suratthani	9° 2'46.81"	99°20'59.02"	5.52	5.36	133.97	10/29/2013	6



No		Plot No.	Location	GPS Reference		Area Summary (Ha)		Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)	jonning	ID
	Mrs.Sribut Kerdwongbundit 2	2	Khun Thale,Mueang, Suratthani	9° 2'50.95"	99°21'7.41"	2.05	2.05	51.21	10/29/2013	
7	Mrs.Chalida Sawetsakularnont	1	Khun Thale,Mueang, Suratthani	9° 4'15.94"	99°22'37.24"	3.90	3.50	87.58	10/29/2013	7
8	Mr.Kamol Sawetsakularnont	1	Khun Thale,Mueang, Suratthani	9° 4'18.34"	99°22'52.06"	4.19	4.03	100.65	10/29/2013	11
9	Mr.Visud Deejarernkuen	1	Thung Kong, Kanchanadit, Suratthani	9° 6'16.66"	99°24'25.80"	2.42	2.38	59.43	10/29/2013	12
10	Mr.Supachai Supasiripenpong 1	1	Thung Rang, Kanchanadit, Suratthani	9° 1'10.78"	99°23'0.63"	1.96	1.96	48.91	10/29/2013	13
	Mr.Supachai Supasiripenpong 2	2	Thung Rang, Kanchanadit, Suratthani	9° 1'10.71"	99°23'10.55"	2.56	2.56	64.10	10/29/2013	
11	Mrs.Chayawarang Vattana	1	Makham Tia,Mueang, Suratthani	9° 4'33.03"	99°23'3.29"	3.59	2.79	69.81	10/29/2013	17
12	Mr.Tamrong Jaigam	1	Makham Tia,Mueang, Suratthani	9° 5'47.57"	99°22'2.23"	1.28	1.28	32.04	10/29/2013	18
13	Mrs.Chayaporn Phetrod 1	1*	Makham Tia,Mueang, Suratthani	9° 6'51.58"	99°22'29.27"	0.34	0.34	8.44	10/29/2013	20
	Mrs.Chayaporn Phetrod 2	2	Makham Tia,Mueang, Suratthani	9° 6'56.43"	99°22'31.87"	0.72	0.72	18.11	10/29/2013	
	Mrs.Chayaporn Phetrod 3	3	Makham Tia,Mueang, Suratthani	9° 6'59.82"	99°22'28.92"	0.80	0.80	20.00	10/29/2013	
14	Mr.Chaiyut Wisitwuthipong 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'35.61"	99°26'18.24"	2.31	2.31	57.80	10/29/2013	22
	Mr.Chaiyut Wisitwuthipong 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 4'20.44"	99°26'36.74"	1.93	1.93	48.34	10/29/2013	
15	Mr.Prasit Ketkaew	1	Thung Rang, Kanchanadit, Suratthani	9° 1'18.30"	99°23'11.56"	5.48	5.48	136.97	10/29/2013	23
16	Mr.Jamras Wongpan	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'10.48"	99°26'7.27"	1.79	1.75	43.70	10/29/2013	24
17	Mr.Samonthat Rungrueang	1	Makham Tia,Mueang, Suratthani	9° 6'2.82"	99°22'19.62"	1.35	1.23	30.69	10/29/2013	25
18	Mr.Narong Phetchu 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'58.83"	99°26'31.76"	1.85	1.85	46.35	10/29/2013	27
	Mr.Narong Phetchu 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 1'47.12"	99°26'26.80"	2.28	1.80	44.95	10/29/2013	
19	Mr.Wanchai Klangnarong 1	1	Pa Ron, Kanchanadit, Suratthani	9° 2'46.69"	99°35'24.48"	1.97	1.97	49.18	10/29/2013	28
	Mr.Wanchai Klangnarong 2	2	Pa Ron, Kanchanadit, Suratthani	9° 3'44.96"	99°35'31.72"	1.56	1.56	39.12	10/29/2013	
20	Mr.Manoch Kerdtong 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'4.41"	99°26'20.84"	1.32	1.32	32.91	10/29/2013	29



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha	•	Forecasted annual FFB		Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
	Mr.Manoch Kerdtong 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 6'4.82"	99°26'28.52"	3.66	3.66	91.59	10/29/2013	
21	Mr.Thamonchai Kanhakaew	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'54.50"	99°26'28.17"	1.61	1.61	40.18	10/29/2013	30
22	Mr.Wisut Buakaew 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'12.23"	99°26'42.62"	1.07	1.07	26.76	10/29/2013	31
	Mr.Wisut Buakaew 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 4'54.94"	99°26'18.07"	1.00	1.00	24.96	10/29/2013	
	Mr.Wisut Buakaew 3	3	Chang Khwa, Kanchanadit, Suratthani	9° 7'14.12"	99°26'47.05"	0.55	0.55	13.65	10/29/2013	
23	Mr.Watana Nuanwat	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'0.16"	99°26'21.06"	0.89	0.89	22.30	10/29/2013	32
24	Mr.Sangaporn Promthongnun 1	1	Thung Rang, Kanchanadit, Suratthani	9° 4'12.73"	99°25'19.88"	0.87	0.87	21.85	10/29/2013	33
	Mr.Sangaporn Promthongnun 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 4'17.87"	99°27'14.57"	0.80	0.80	20.00	10/29/2013	
25	Mrs.Sunisa Singso 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'5.40"	99°26'24.83"	0.63	0.39	9.69	10/29/2013	34
	Mrs.Sunisa Singso 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 4'5.69"	99°26'22.55"	1.49	1.49	37.35	10/29/2013	
26	Mrs.Manmas Tipsuwon	1	Thung Rang, Kanchanadit, Suratthani	9° 1'17.89"	99°24'26.57"	21.30	19.54	488.51	10/29/2013	35
27	Mr.Panyawut Kolaka 1	1	Thung Kong, Kanchanadit, Suratthani	9° 6'21.78"	99°24'26.09"	1.99	1.99	49.80	10/29/2013	36
	Mr.Panyawut Kolaka 2	2	Thung Kong, Kanchanadit, Suratthani	9° 7'53.39"	99°23'50.31"	5.14	5.14	128.50	10/29/2013	
	Mr.Panyawut Kolaka 3	3	Chang Khwa, Kanchanadit, Suratthani	9° 5'40.48"	99°26'27.32"	1.54	1.54	38.58	10/29/2013	
28	Mrs.Pilaipun Srirattanakul 1	1	Thung Kong, Kanchanadit, Suratthani	9° 7'33.79"	99°22'10.03"	4.04	4.04	101.00	10/29/2013	37
	Mrs.Pilaipun Srirattanakul 2	2	Makham Tia,Mueang, Suratthani	9° 7'26.75"	99°21'45.54"	2.78	2.78	69.49	10/29/2013	
29	Mr.Amnualchok Krodsen	1	Chang Sai, Kanchanadit, Suratthani	9° 0'51.47"	99°28'33.61"	3.27	3.19	79.76	10/29/2013	38
30	Mr.Pornsin Jaingam 1	1	Thung Kong, Kanchanadit, Suratthani	9° 7'32.23"	99°22'31.86"	0.88	0.72	17.98	10/29/2013	39
	Mr.Pornsin Jaingam 2	2	Thung Kong, Kanchanadit, Suratthani	9° 7'24.08"	99°22'38.62"	1.90	1.90	47.38	10/29/2013	
31	Mr.Prasit Lomlim	1	Thung Rang, Kanchanadit, Suratthani	9° 1'6.44"	99°24'16.23"	5.46	4.64	116.00	10/29/2013	40
32	Mr.Pattinya Wongwichien	1	Thung Rang, Kanchanadit, Suratthani	9° 2'19.98"	99°24'2.25"	3.28	3.28	81.91	10/29/2013	41



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
33	Mr.Arree Toonchalat 1	1	Thung Rang, Kanchanadit, Suratthani	9° 3'18.12"	99°23'36.27"	4.31	4.31	107.68	10/29/2013	42
	Mr.Arree Toonchalat 2	2	Thung Rang, Kanchanadit, Suratthani	9° 3'12.64"	99°23'28.88"	3.76	3.44	85.96	10/29/2013	
34	Mr.Virot Suwannajan	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'33.02"	99°26'15.36"	6.25	6.25	156.32	10/29/2013	43
35	Mr.Wunphiao Siangchin 1	1	Makham Tia,Mueang, Suratthani	9° 5'40.56"	99°22'52.77"	4.68	4.60	115.03	10/29/2013	44
	Mr.Wunphiao Siangchin 2	2	Plaiwas, Kanchanadit, Suratthani	9° 8'6.78"	99°32'37.56"	1.97	1.95	48.87	10/29/2013	
	Mr.Wunphiao Siangchin 3	3	Krut, Kanchanadit, Suratthani	9° 6'42.18"	99°30'8.46"	4.59	4.49	112.30	10/29/2013	
36	Mr.Ruangdech Chookorn 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 0'36.07"	99°27'1.02"	3.10	3.10	77.55	10/29/2013	45
	Mr.Ruangdech Chookorn 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 0'39.84"	99°26'46.92"	7.48	7.48	187.04	10/29/2013	
37	Mrs.Pongsri Chaitha	1	Thung Kong, Kanchanadit, Suratthani	9° 6'34.09"	99°23'36.60"	45.09	44.53	1113.31	10/29/2013	46
38	Mr.Suchat Phutthasri 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'9.16"	99°26'27.16"	1.73	1.25	31.18	10/29/2013	47
	Mr.Suchat Phutthasri 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 4'13.91"	99°26'26.43"	1.43	1.27	31.82	10/29/2013	
	Mr.Suchat Phutthasri 3	3	Thung Rang, Kanchanadit, Suratthani	9° 5'4.91"	99°25'51.03"	0.44	0.44	11.10	10/29/2013	
39	Mr.Bamrung Hirunruang 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 5'44.94"	99°26'20.70"	4.60	4.44	111.08	10/29/2013	48
	Mr.Bamrung Hirunruang 2	2	Pa Ron, Kanchanadit, Suratthani	9° 2'26.80"	99°32'43.75"	1.97	1.50	37.51	10/29/2013	
40	Mr.Jaras Intarasangkanavin 1	1	Thung Rang, Kanchanadit, Suratthani	9° 2'58.26"	99°25'35.92"	8.23	7.83	195.70	10/29/2013	49
	Mr.Jaras Intarasangkanavin 2	2	Thung Rang, Kanchanadit, Suratthani	9° 4'15.13"	99°24'4.35"	3.89	3.81	95.17	10/29/2013	
	Mr.Jaras Intarasangkanavin 3	3	Thung Rang, Kanchanadit, Suratthani	9° 2'9.15"	99°23'24.24"	6.93	6.81	170.18	10/29/2013	
41	Mr.Narin Khanawitthaya 1	1*	Makham Tia,Mueang, Suratthani	9° 5'17.36"	99°22'54.21"	1.50	1.50	37.47	10/29/2013	50
	Mr.Narin Khanawitthaya 2	2	Makham Tia,Mueang, Suratthani	9° 5'14.03"	99°22'51.92"	1.85	1.85	46.29	10/29/2013	
	Mr.Narin Khanawitthaya 3	3	Makham Tia,Mueang, Suratthani	9° 6'2.99"	99°21'51.23"	2.08	1.92	47.93	10/29/2013	



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (H	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
	Mr.Narin Khanawitthaya 4	4	Chang Sai, Kanchanadit, Suratthani	9° 5'11.36"	99°28'25.20"	3.23	3.23	80.77	10/29/2013	
42	Mr.Prasit Jiumwuttisak	1	Thung Kong, Kanchanadit, Suratthani	9° 7'43.02"	99°23'52.26"	14.78	14.78	369.55	10/29/2013	51
43	Mrs.Ubol Noochouy 1	1	Thung Rang, Kanchanadit, Suratthani	9° 1'48.57"	99°23'23.96"	4.48	4.48	112.03	10/29/2013	52
	Mrs.Ubol Noochouy 2	2	Khun Thale, Kanchanadit, Suratthani	9° 3'24.35"	99°23'3.18"	3.98	3.98	99.57	10/29/2013	
44	Mr.Vichai Khachanurak	1	Thung Rang, Kanchanadit, Suratthani	9° 3'8.72"	99°24'45.09"	1.31	1.31	32.80	10/29/2013	53
45	Mr.Methasit Phonsithachinrit 1	1	Khun Thale,Mueang, Suratthani	9° 4'0.56"	99°20'45.07"	2.79	2.47	61.70	10/29/2013	54
	Mr.Methasit Phonsithachinrit 2	2	Khun Thale,Mueang, Suratthani	9° 4'7.92"	99°20'35.76"	1.65	1.33	33.32	10/29/2013	
	Mr.Methasit Phonsithachinrit 3	3*	Khun Thale,Mueang, Suratthani	9° 4'28.08"	99°20'31.50"	2.06	1.58	39.55	10/29/2013	
46	Mr.Santi Watthananill 1	1	Makham Tia,Mueang, Suratthani	9° 5'11.95"	99°23'0.38"	9.04	8.56	213.96	10/29/2013	56
	Mr.Santi Watthananill 2	2	Makham Tia,Mueang, Suratthani	9° 4'40.56"	99°23'2.34"	7.03	6.87	171.80	10/29/2013	
47	Mr.Nipol Totong 1	1	Pa Ron, Kanchanadit, Suratthani	9° 3'31.33"	99°33'20.79"	3.25	3.25	81.25	10/29/2013	57
	Mr.Nipol Totong 2	2	Pa Ron, Kanchanadit, Suratthani	9° 1'57.93"	99°32'49.79"	4.34	4.34	108.55	10/29/2013	
48	Mr.Prasoet Romphothong 1	1*	Makham Tia,Mueang, Suratthani	9° 5'44.44"	99°22'32.83"	0.80	0.80	20.00	10/29/2013	59
	Mr.Prasoet Romphothong 2	2	Makham Tia,Mueang, Suratthani	9° 5'46.99"	99°22'14.65"	0.20	0.20	4.95	10/29/2013	
49	Mrs.Manee Panpaen 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'17.45"	99°26'23.75"	2.40	2.40	59.88	10/29/2013	61
	Mrs.Manee Panpaen 2	2	Chang Sai, Kanchanadit, Suratthani	9° 3'37.17"	99°28'0.29"	4.79	4.15	103.70	10/29/2013	
50	Miss.Naruemol Saelee 1	1	Makham Tia,Mueang, Suratthani	9° 5'53.58"	99°22'52.92"	1.85	1.81	45.22	8/26/2015	62
	Miss.Naruemol Saelee 2	2	Makham Tia,Mueang, Suratthani	9° 6'51.12"	99°22'31.08"	1.66	1.50	37.61	8/26/2015	
	Miss.Naruemol Saelee 3	3	Makham Tia,Mueang, Suratthani	9° 6'48.84"	99°22'28.68"	0.80	0.40	10.03	8/26/2015	
	Miss.Naruemol Saelee 4	4	Makham Tia,Mueang, Suratthani	9° 6'35.28"	99°22'55.20"	6.08	4.80	119.98	8/26/2015	
	Miss.Naruemol Saelee 5	5	Thung Rang, Kanchanadit, Suratthani	9° 4'58.56"	99°26'4.56"	2.84	2.84	70.93	8/26/2015	



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha		Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
	Miss.Naruemol Saelee 6	6	Thung Rang, Kanchanadit, Suratthani	9° 5'2.16"	99°26'0.18"	0.52	0.50	12.40	8/26/2015	
	Miss.Naruemol Saelee 7	7	Thung Rang, Kanchanadit, Suratthani	9° 4'58.74"	99°25'58.02"	3.36	3.28	81.88	8/26/2015	
51	Mr.Chanchai Puttasri 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'3.12"	99°26'26.10"	0.85	0.85	21.13	8/26/2015	63
	Mr.Chanchai Puttasri 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 4'12.12"	99°26'23.22"	0.46	0.40	10.08	8/26/2015	
52	Mrs.Kanya Baoyam 1	1*	Thung Kong, Kanchanadit, Suratthani	9° 7'57.36"	99°24'33.00"	2.33	1.89	47.14	8/26/2015	64
	Mrs.Kanya Baoyam 2	2	Thung Kong, Kanchanadit, Suratthani	9° 8'14.55"	99°24'27.36"	0.26	0.26	6.45	8/26/2015	
53	Mr.Thanachit Komsattaya	1	Chang Sai, Kanchanadit, Suratthani	8°58'51.84"	99°27'26.94"	1.69	1.65	41.17	8/26/2015	66
54	Mr.Somyod Krodsen	1	Chang Sai, Kanchanadit, Suratthani	9° 4'57.66"	99°28'35.70"	1.87	1.87	46.82	8/26/2015	67
	Mr.Somyod Krodsen 2	2	Chang Sai, Kanchanadit, Suratthani	9° 5'1.92"	99°28'31.80"	1.82	1.50	37.53	8/26/2015	
	Mr.Somyod Krodsen	3*	Changsai, Kanchanadit, Suratthani	9° 5'4.38"	99°28'27.66"	1.33	1.33	33.31	8/26/2015	
	Mr.Somyod Krodsen 4	4	Thung Rang, Kanchanadit, Suratthani	9° 4'7.08"	99°25'22.74"	0.51	0.51	12.66	8/26/2015	
55	Mr.Prawit Pattanajohn	1	Thung Tao Mai,Ban Na San,Suratthani	8°55'58.26"	99°26'41.64"	7.92	5.76	144.12	8/26/2015	69
56	Mr.Wira Nuinoi	1	Chang Sai, Kanchanadit, Suratthani	9° 5'7.92"	99°28'31.62"	1.45	1.21	30.16	8/26/2015	70
57	Mr.Chayan Chaisuwan	1	Chang Sai, Kanchanadit, Suratthani	8°58'58.62"	99°28'50.64"	8.69	8.67	216.74	8/26/2015	71
	Mr.Chayan Chaisuwan 2	2*	Changsai, Kanchanadit, Suratthani	8°58'49.46"	99°27'0.53"	1.69	1.69	0.00	26/8/2015	
58	Mr.Samroeng Phayakkharak	1	Thung Rang, Kanchanadit, Suratthani	9° 1'21.58"	99°23'47.33"	4.78	3.04	76.00	8/26/2015	72
59	Mr.Suriya Phetklep 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'46.67"	99°26'17.58"	1.25	1.25	31.28	8/26/2015	73
	Mr.Suriya Phetklep 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 6'22.62"	99°26'0.18"	1.38	1.30	32.55	8/26/2015	
	Mr.Suriya Phetklep 3	3	Chang Khwa, Kanchanadit, Suratthani	9° 6'28.70"	99°25'39.10"	0.95	0.59	14.73	8/26/2015	
	Mr.Suriya Phetklep 4	4	Chang Khwa, Kanchanadit, Suratthani	9° 6'19.21"	99°26'0.34"	1.45	1.45	0.00	8/26/2015	
60	Mr.Prasoet Khrongtaiwet	1	Kadae, Kanchanadit, Suratthani	9° 9'51.59"	99°26'55.67"	1.97	1.73	43.31	8/26/2015	74



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
61	Mr.Authai Sribunrueang 1	1	Wat Pradu,Mueang, Suratthani	9° 3'5.58"	99°19'1.26"	1.12	0.96	24.00	8/26/2015	75
	Mr.Authai Sribunrueang 2	2*	Wat Pradu,Mueang, Suratthani	9° 3'21.48"	99°18'47.34"	0.45	0.45	11.13	8/26/2015	
	Mr.Authai Sribunrueang 3	3	Tapan,Phun Phin,Suratthani	8°54'3.60"	99°10'12.54"	4.80	4.80	120.00	8/26/2015	
62	Mr.Phaibun Phaojinda 1	1	Tham Sing Khon,Khiri Rat Nikhom ,Suratthani	9° 0'25.08"	99° 1'36.66"	1.94	1.90	47.50	8/26/2015	76
	Mr.Phaibun Phaojinda 2	2	Makham Tia,Mueang, Suratthani	9° 5'44.94"	99°22'52.92"	0.67	0.53	13.13	8/26/2015	
63	Mr.Chana Phathanakul 1	1	Wat Pradu,Mueang, Suratthani	8°58'35.76"	99°20'7.50"	1.56	1.52	38.09	8/26/2015	77
	Mr.Chana Phathanakul 2	2	Wat Pradu,Mueang, Suratthani	8°58'16.56"	99°20'8.70"	1.44	1.44	35.93	8/26/2015	
	Mr.Chana Phathanakul 3	3	Khun Thale,Mueang, Suratthani	8°58'27.87"	99°21'41.82"	1.98	1.98	0.00	8/26/2015	
64	Mr.Atitthan Kongsarp	1	Chang Khwa, Kanchanadit, Suratthani	9° 0'34.56"	99°27'3.42"	2.12	2.04	50.98	8/26/2015	78
65	Mrs.Suwatchana Kamchan	1	Chang Khwa, Kanchanadit,Suratthani	9° 3'18.12"	99°26'16.68"	0.77	0.77	19.25	8/26/2015	79
66	Mr.Anan Phetrot 1	1	Makham Tia,Mueang, Suratthani	9° 5'11.46"	99°22'54.06"	1.41	1.37	34.13	8/26/2015	81
	Mr.Anan Phetrot 2	2	Makham Tia,Mueang, Suratthani	9° 5'19.02"	99°22'40.80"	1.13	1.13	28.13	8/26/2015	
	Mr.Anan Phetrot 3	3	Makham Tia,Mueang, Suratthani	9° 6'58.08"	99°22'29.40"	0.47	0.47	11.84	8/26/2015	81
67	Mr.Supharat Siangchin	1	Krut, Kanchanadit, Suratthani	9° 7'44.64"	99°31'42.06"	6.26	5.30	132.45	8/26/2015	82
68	Mr.Prasit Raknobpharat 1	1	Chang Khwa, Kanchanadit,Suratthani	9° 5'44.10"	99°25'52.38"	0.95	0.87	21.77	8/26/2015	84
	Mr.Prasit Raknobpharat 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 5'54.00"	99°25'50.13"	0.76	0.76	19.09	8/26/2015	
69	Mr.Prakit Rattanathongain 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'2.16"	99°25'31.02"	1.77	1.45	36.18	8/26/2015	85
	Mr.Prakit Rattanathongain 2	2	Pa Ron, Kanchanadit, Suratthani	9° 3'6.72"	99°32'7.44"	1.65	1.61	40.20	8/26/2015	
70	Mr.Thongbai Phetket 1	1*	Thung Kong, Kanchanadit, Suratthani	9° 6'5.34"	99°24'18.90"	1.69	1.69	42.16	8/26/2015	87
	Mr.Thongbai Phetket 2	2	Thung Kong, Kanchanadit, Suratthani	9° 6'38.97"	99°24'25.02"	0.34	0.34	8.61	8/26/2015	
	Mr.Thongbai Phetket 3	3	Thung Kong, Kanchanadit, Suratthani	9° 6'46.02"	99°24'25.86"	2.85	2.53	63.37	8/26/2015	



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha		Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)	, J	ID
	Mr.Thongbai Phetket 4	4	Thung Kong, Kanchanadit, Suratthani	9° 6'50.76"	99°24'24.96"	0.97	0.97	24.27	8/26/2015	
71	Mr.Thantiwat Thanananolan	1	Makham Tia,Mueang, Suratthani	9° 5'44.76"	99°23'9.66"	2.58	2.58	64.49	8/26/2015	88
72	Mr.Kitti Siangchin	1	Makham Tia,Mueang, Suratthani	9° 5'53.04"	99°23'9.60"	2.71	2.71	67.63	8/26/2015	89
73	Mr.Somkiat Siangchin 1	1	Plaiwas, Kanchanadit, Suratthani	9° 8'7.74"	99°32'39.72"	1.95	1.89	47.22	8/26/2015	90
	Mr.Somkiat Siangchin 2	2*	Makham Tia,Mueang, Suratthani	9° 5'48.78"	99°23'11.40"	3.61	3.61	90.15	8/26/2015	
74	Mr.Somnuek Phromsawat	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'38.07"	99°26'28.18"	1.24	1.12	28.06	8/26/2015	92
75	Mr.Sitthichai Chuaimi	1	Chang Khwa, Kanchanadit, Suratthani	9° 8'2.67"	99°27'7.43"	1.61	1.45	36.27	11/20/2016	93
76	Mr.Wisit Mekanan 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'2.39"	99°26'24.33"	0.86	0.78	19.41	11/20/2016	94
	Mr.Wisit Mekanan 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 1'47.28"	99°26'44.20"	1.33	1.33	33.37	11/20/2016	
	Mr.Wisit Mekanan 3	3	Chang Khwa, Kanchanadit, Suratthani	9° 4'21.23"	99°26'30.91"	1.19	1.19	29.74	11/20/2016	
77	Mr.Sukhum Kanhakaew	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'28.02"	99°25'29.76"	1.54	1.50	37.45	11/20/2016	95
78	Mr.Methawee Nuanla-ong 1	1	Thung Rang, Kanchanadit, Suratthani	9° 1'31.11"	99°23'17.18"	6.78	4.54	113.44	11/20/2016	96
	Mr.Methawee Nuanla-ong 2	2	Khun Thale,Mueang, Suratthani	9° 3'42.68"	99°22'20.86"	4.09	3.77	94.34	11/20/2016	
	Mr.Methawee Nuanla-ong 3	3	Khun Thale,Mueang, Suratthani	9° 3'35.58"	99°23'9.81"	3.70	3.66	91.55	11/20/2016	
	Mr.Methawee Nuanla-ong 4	4	Thung Rang, Kanchanadit, Suratthani	9° 1'24.92"	99°23'22.78"	2.97	2.97	0.00	11/20/2016	
79	Mrs.Prakham Thimthong	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'14.71"	99°25'50.17"	3.30	3.30	82.43	11/20/2016	97
80	Mr.Jeerasak Rattanawanit 1	1	Khun Thale,Mueang, Suratthani	9° 4'2.48"	99°22'41.39"	3.79	3.47	86.73	11/20/2016	98
	Mr.Jeerasak Rattanawanit 2	2	Khun Thale,Mueang, Suratthani	9° 3'9.71"	99°22'54.51"	3.38	3.30	82.57	11/20/2016	
81	Mrs.Bunrueang Sangsanthai	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'13.83"	99°26'21.24"	1.16	1.16	28.99	11/20/2016	99
82	Mr.Manot Chanyai	1	Thung Rang, Kanchanadit, Suratthani	9° 5'18.39"	99°25'45.85"	1.19	1.19	29.76	11/20/2016	100
83	Mrs.Jittra Kachanurak	1	Thung Rang, Kanchanadit, Suratthani	9° 3'4.60"	99°24'43.28"	0.80	0.80	20.09	11/20/2016	101



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha		Forecasted annual FFB		Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
84	Mr.Phanuphong Phutthasi 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'8.07"	9°26'23.60"	0.86	0.86	21.52	11/20/2016	102
	Mr.Phanuphong Phutthasi 2	2	Thung Kong, Kanchanadit, Suratthani	9° 8'40.65"	99°24'18.54"	2.51	2.43	60.81	11/20/2016	
	Mr.Phanuphong Phutthasi 3	3	Krut, Kanchanadit, Suratthani	9° 5'43.56"	99°32'22.41"	3.86	3.86	96.45	11/20/2016	
	Mr.Phanuphong Phutthasi 4	4	Tha Uthae, Kanchanadit, Suratthani	9° 8'57.38"	99°34'13.56"	3.83	3.67	91.75	11/20/2016	102
	Mr.Phanuphong Phutthasi 5	5	Tha Uthae, Kanchanadit, Suratthani	9° 8'54.93"	99°34'2.99"	3.21	3.21	80.35	11/20/2016	
	Mr.Phanuphong Phutthasi 6	6	Plaiwas, Kanchanadit, Suratthani	9° 9'57.47"	99°30'38.37"	4.18	4.18	104.54	11/20/2016	
	Mr.Phanuphong Phutthasi 7	7	Plaiwas, Kanchanadit, Suratthani	9° 9'11.66"	99°32'31.38"	1.18	1.18	29.51	11/20/2016	
85	Mr.Anan Kanhakaew	1*	Chang Khwa, Kanchanadit, Suratthani	9° 6'53.41"	99°26'20.90"	3.04	3.04	75.88	11/21/2016	103
86	Miss.Sarapee Hitnu 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'9.32"	99°26'31.95"	0.86	0.70	17.57	11/21/2016	104
	Miss.Sarapee Hitnu 2	2	Chang Sai, Kanchanadit, Suratthani	9° 1'30.09"	99°29'2.64"	3.41	3.41	85.32	11/21/2016	
87	Mr.Phitthaya Somkaew 1	1	Krut, Kanchanadit, Suratthani	9° 5'14.36"	99°30'57.32"	1.20	1.20	30.00	11/21/2016	105
	Mr.Phitthaya Somkaew 2	2	Krut, Kanchanadit, Suratthani	9° 5'7.16"	99°31'16.98"	0.46	0.38	9.55	11/21/2016	
	Mr.Phitthaya Somkaew 3	3	Chang Sai, Kanchanadit, Suratthani	9° 5'0.91"	99°31'26.79"	2.59	1.31	32.86	11/21/2016	
88	Mrs.Chaliaw Krachokchol 1	1	Krut, Kanchanadit, Suratthani	9° 6'45.54"	99°30'59.95"	1.73	1.73	43.13	11/21/2016	106
	Mrs.Chaliaw Krachokchol 2	2	Krut, Kanchanadit, Suratthani	9° 5'44.94"	99°35'32.50"	7.28	7.28	182.02	11/21/2016	
	Mrs.Chaliaw Krachokchol 3	3	Chang Sai, Kanchanadit, Suratthani	9° 0'1.57"	99°29'36.13"	6.83	6.51	162.74	11/21/2016	
89	Mr.Sutap Intong	1	Krut, Kanchanadit, Suratthani	9° 8'27.54"	99°29'30.87"	3.69	3.53	88.13	11/21/2016	107
90	Mr.Raluek Bunchu	1	Thung Rang, Kanchanadit, Suratthani	9° 5'33.98"	99°26'2.90"	0.88	0.86	21.47	11/21/2016	108
91	Mr.Mongkon Maneerat	1	Khun Thale,Mueang, Suratthani	8°58'19.65"	99°21'41.27"	3.78	3.70	92.50	11/21/2016	109
92	Mr.Prasit Dutrak	1	Makham Tia,Mueang, Suratthani	9° 5'58.99"	99°22'18.45"	0.80	0.80	20.04	11/21/2016	110
93	Mrs.Prathum Dujrak 1	1	Makham Tia,Mueang, Suratthani	9° 5'59.11"	99°22'21.69"	0.80	0.80	20.01	11/21/2016	111



No	Name of farmer	Plot	Location	GPS Re	eference	Area Su	mmarv	Forecasted	Date of	Small
110	rame or ramer	No.	Ededion			(H	a)	annual FFB Production		holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	(MT)		ID
	Mrs.Prathum Dujrak 2	2	Makham Tia,Mueang, Suratthani	9° 6'10.93"	99°22'14.44"	0.17	0.17	4.18	11/21/2016	
94	Mr.Chatturong Koedsang 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 5'58.26"	99°25'32.74"	0.33	0.33	8.16	11/21/2016	112
	Mr.Chatturong Koedsang 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 5'55.92"	99°25'32.62"	0.51	0.51	12.72	11/21/2016	
95	Mr.Sutin Hiranrueang	1	Krut, Kanchanadit, Suratthani	9° 6'39.71"	99°31'15.90"	4.35	2.59	64.64	11/22/2016	113
96	Mr.Kan Chimrung 1	1	Thung Rang, Kanchanadit, Suratthani	9° 3'55.81"	99°25'34.68"	1.41	1.41	35.25	11/22/2016	114
	Mr.Kan Chimrung 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 1'54.34"	99°27'38.68"	4.67	1.47	36.77	11/22/2016	
97	Mr.Chaiwat Panrin	1	Thung Rang, Kanchanadit, Suratthani	9° 4'37.16"	99°26'2.86"	1.85	1.85	46.34	11/22/2016	116
98	Mrs.Saowaluk Chimmachui	1	Thung Rang, Kanchanadit, Suratthani	9° 5'17.18"	99°25'48.62"	2.44	2.44	61.11	11/22/2016	117
99	Mr.Prajuab Nusing	1	Makham Tia,Mueang, Suratthani	9° 5'17.91"	9°22'36.40"	3.29	3.21	80.25	11/22/2016	118
100	Mrs.Suthathip Thotriaa	1	Chang Khwa, Kanchanadit, Suratthani	9° 2'57.66"	99°26'25.80"	2.08	1.84	46.00	11/22/2016	119
101	Mr.Kumnuan Thummapattharakul	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'55.75"	99°26'46.54"	24.69	22.29	557.19	11/22/2016	120
102	Mrs.Wannee Kongphayak 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 2'11.73"	99°27'48.57"	4.45	3.64	91.00	11/22/2016	122
	Mrs.Wannee Kongphayak 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 4'29.84"	99°26'20.80"	1.64	1.64	40.90	11/22/2016	
	Mrs.Wannee Kongphayak 3	3*	Chang Khwa, Kanchanadit,Suratthani	9° 4'27.28"	99°26'17.26"	3.00	3.00	74.94	11/22/2016	
103	Mr.Rakchat Thueakthip	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'47.04"	99°27'12.94"	1.24	1.24	31.05	11/23/2016	123
104	Mr.Chana Sualong 1	1	Chang Sai, Kanchanadit, Suratthani	8°59'50.06"	99°26'56.24"	2.90	2.90	72.51	11/23/2016	124
	Mr.Chana Sualong 2	2	Thung Tao Mai,Ban Na San,Suratthani	8°59'3.76"	99°25'5.22"	2.56	2.56	63.88	11/23/2016	
	Mr.Chana Sualong 3	3	Thung Tao Mai,Ban Na San,Suratthani	8°59'17.68"	99°23'48.65"	1.57	1.57	39.20	11/23/2016	
105	Mr.Khwansombat Phonruk 1	1	Khun Thale,Mueang, Suratthani	9° 2'36.10"	99°21'15.82"	2.88	2.08	51.95	11/23/2016	125
	Mr.Khwansombat Phonruk 2	2	Khun Thale,Mueang, Suratthani	9° 2'31.08"	99°21'30.26"	1.96	0.84	21.12	11/23/2016	
106	Mr.Pathomphong Khaowglib 1	1	Khun Thale,Mueang, Suratthani	9° 1'52.17"	99°22'47.69"	4.17	4.17	104.19	11/23/2016	126



No		Plot No.	Location	GPS Re	eference	Area Su (H	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
	Mr.Pathomphong Khaowglib 2	2	Tha Ruea,Ban Na Doem,Suratthani	8°57'45.18"	99°16'27.33"	6.29	6.29	157.22	11/23/2016	
107	Mr.Somchok Noodaeng 1	1	Chang Sai, Kanchanadit, Suratthani	9° 4'54.34"	99°28'35.58"	1.73	1.57	39.18	11/23/2016	127
	Mr.Somchok Noodaeng 2	2	Chang Sai, Kanchanadit, Suratthani	9° 5'19.46"	99°28'23.23"	2.02	2.02	50.44	11/23/2016	
	Mr.Somchok Noodaeng 3	3	Thung Rang, Kanchanadit, Suratthani	9° 4'30.56"	99°26'14.16"	2.29	2.29	57.27	11/23/2016	
108	Mrs.Nittaya Chimrong	1	Thung Rang, Kanchanadit, Suratthani	9° 3'11.55"	99°24'45.75"	2.56	2.56	64.00	11/23/2016	128
109	Mr.Preecha Janlek 1	1	Thung Kong, Kanchanadit, Suratthani	9° 7'1.72"	99°24'6.39"	2.48	2.47	61.87	11/23/2016	129
	Mr.Preecha Janlek 2	2	Thung Kong, Kanchanadit, Suratthani	9° 6'38.66"	99°24'10.41"	9.74	9.66	241.40	11/23/2016	
110	Mrs.Suphanee Sangsanthai 1	1*	Chang Khwa, Kanchanadit, Suratthani	9° 5'43.75"	99°26'9.74"	1.88	1.88	46.90	11/23/2016	130
	Mrs.Suphanee Sangsanthai 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 4'15.62"	99°26'36.13"	0.81	0.81	20.26	11/23/2016	
111	Mr.Prasoet Phetsrisom 1	1	Chang Sai, Kanchanadit, Suratthani	9° 2'54.73"	99°30'14.81"	8.17	8.17	204.14	11/23/2016	131
	Mr.Prasoet Phetsrisom 2	2	Chang Sai, Kanchanadit, Suratthani	9° 3'19.00"	99°29'50.28"	1.87	1.03	25.72	11/23/2016	
	Mr.Prasoet Phetsrisom 3	3	Krut, Kanchanadit, Suratthani	9° 7'1.23"	99°29'16.21"	0.64	0.56	13.93	11/23/2016	
112	Mr.Monthian Phumthawipanya 1	1	Thung Rang, Kanchanadit, Suratthani	9° 5'18.86"	99°25'57.34"	7.05	1.92	48.00	11/14/2017	132
	Mr.Monthian Phumthawipanya 2	2	Makham Tia,Mueang, Suratthani	9° 5'59.10"	99°21'49.55"	2.14	2.06	51.56	11/14/2017	
113	Mr.Chaloem Chimkaew	1	Thung Rang, Kanchanadit, Suratthani	9° 0'34.22"	99°23'28.73"	2.21	1.89	47.19	11/14/2017	133
114	Mr.Pisit Samhadthai	1	Khun Thale,Mueang, Suratthani	9° 2'4.89"	99°21'35.09"	3.86	3.86	96.38	11/14/2017	134
115	Mr.Snong Thasthong 1	1	Makham Tia,Mueang, Suratthani	9° 5'39.61"	99°22'24.77"	0.84	0.84	21.01	11/14/2017	135
	Mr.Snong Thasthong 2	2	Makham Tia,Mueang, Suratthani	9° 5'49.47"	99°22'4.81"	0.79	0.79	0.00	11/14/2017	
116	Mr.Sujin Janthananon 1	1	Makham Tia,Mueang, Suratthani	9° 4'34.71"	99°23'14.06"	0.66	0.50	12.62	11/14/2017	137
	Mr.Sujin Janthananon 2	2	Thung Rang, Kanchanadit, Suratthani	9° 1'4.31"	99°25'2.86"	1.69	1.69	42.25	11/14/2017	
117	Mrs.Wilai Jaemit	1	Makham Tia,Mueang, Suratthani	9° 5'7.77"	99°22'27.34"	3.99	3.83	95.67	11/14/2017	138



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha		Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
118	Mr.Pongsak Sangjan 1	1	Makham Tia,Mueang, Suratthani	9° 5'21.63"	99°22'32.56"	2.47	2.47	61.83	11/14/2017	139
	Mr.Pongsak Sangjan 2	2	Makham Tia,Mueang, Suratthani	9° 4'22.28"	99°23'27.89"	0.82	0.82	20.44	11/14/2017	
119	Mr.Somkid Tokamnoed 1	1	Khun Thale,Mueang, Suratthani	9° 4'18.75"	99°22'41.04"	3.86	3.66	91.57	11/15/2017	140
	Mr.Somkid Tokamnoed 2	2	Khun Thale,Mueang, Suratthani	9° 4'14.55"	99°22'41.66"	0.81	0.65	16.35	11/15/2017	
	Mr.Somkid Tokamnoed 3	3	Thung Rang, Kanchanadit, Suratthani	9° 4'9.62"	99°24'16.79"	4.76	4.76	119.02	11/15/2017	
120	Mr.Wattana Kanavittaya	1	Chang Sai, Kanchanadit, Suratthani	9° 5'4.11"	99°28'15.34"	8.18	8.18	204.54	11/15/2017	142
121	Mrs.Naruemol Sangthongngam	1	Thung Rang, Kanchanadit, Suratthani	9° 2'25.80"	99°24'34.92"	3.76	3.76	94.07	11/15/2017	143
122	Mr.Pongkit Jaisangadworachit 1	1	Thung Rang, Kanchanadit, Suratthani	9° 1'46.76"	99°23'49.19"	16.23	16.23	405.84	11/15/2017	144
	Mr.Pongkit Jaisangadworachit 2	2	Thung Rang, Kanchanadit, Suratthani	9° 1'24.47"	99°23'45.58"	2.05	2.05	51.35	11/15/2017	
123	Mrs.Somchit Pinthongsri 1	1	Thung Rang, Kanchanadit, Suratthani	9° 2'42.39"	99°24'13.68"	2.21	2.17	54.16	11/15/2017	145
	Mrs.Somchit Pinthongsri 2	2	Thung Rang, Kanchanadit, Suratthani	9° 4'52.05"	99°24'24.81"	3.65	1.73	43.13	11/15/2017	
124	Mr.Prasan Kongyang	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'36.17"	99°26'31.12"	1.00	1.00	24.88	11/16/2017	146
125	Mr.Sitthiporn Phongkaew 1	1	Chang Sai, Kanchanadit, Suratthani	9° 5'18.78"	99°28'30.74"	1.18	1.18	29.62	11/16/2017	147
	Mr.Sitthiporn Phongkaew 2	2	Chang Sai, Kanchanadit, Suratthani	9° 5'9.91"	99°27'56.15"	0.65	0.65	16.35	11/16/2017	
126	Mr.Chainarong Intong	1	Krut, Kanchanadit, Suratthani	9° 8'32.00	99°29'24.62"	5.76	5.44	135.96	11/16/2017	148
127	Mr.Narithep Phrmthong 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'2.02"	99°26'24.28"	1.25	1.25	31.14	11/16/2017	149
	Mr.Narithep Phrmthong 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 7'8.57"	99°26'15.41"	1.40	1.38	34.47	11/16/2017	
	Mr.Narithep Phrmthong 3	3	Thung Kong, Kanchanadit, Suratthani	9° 6'28.97"	99°24'0.91"	4.19	2.59	64.84	11/16/2017	
128	Mrs.Charatkorn Srisawat	1	Thung Rang, Kanchanadit, Suratthani	9° 1'40.74"	99°23'32.18"	4.45	4.37	109.23	11/16/2017	150
129	Mrs.Tuangporn Srisawad	1	Thung Rang, Kanchanadit, Suratthani	9° 0'19.72"	99°25'5.38"	6.01	2.40	60.00	11/16/2017	151



No	Name of farmer	Plot	Location	GPS Re	eference	Area Su		Forecasted	Date of	Small
		No.		Latin d. (N)	Lamate de (E)	(Ha		annual FFB Production	joining	holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	(MT)		ID
130	Mr.Jamnong Phetnui	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'18.94"	99°27'20.04"	2.29	1.93	48.25	11/16/2017	152
131	Mr.Narin Phumrat	1	Chang Sai, Kanchanadit, Suratthani	8°59'49.88"	99°27'22.08"	4.51	3.23	80.83	11/16/2017	153
132	Mr.Benjapol Chonlatansarid	1	Thung Rang, Kanchanadit, Suratthani	9° 0'55.81"	99°23'7.08"	1.80	1.80	44.99	12/21/2018	154
133	Mrs.Thanusin Thodsin 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'21.33"	99°26'6.37"	0.96	0.96	23.99	12/21/2018	156
	Mrs.Thanusin Thodsin 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 7'19.03"	99°25'56.97"	1.78	1.78	0.00	12/21/2018	
134	Mrs.Jirawan Khongsap	1	Chang Khwa, Kanchanadit, Suratthani	9° 0'28.90"	99°27'8.80"	8.61	1.44	36.00	12/25/2018	157
135	Mrs.Suporn Polyanunt	1	Khun Thale,Mueang, Suratthani	9° 2'30.54"	99°21'10.43"	7.55	7.55	188.64	12/21/2018	158
136	Mr.Sonrapong Sonkham 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'29.85"	99°26'21.21"	1.43	1.11	27.64	12/21/2018	159
	Mr.Sonrapong Sonkham 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 3'29.61"	99°26'23.77"	1.16	0.52	12.99	12/21/2018	
137	Mrs.Pattaraporn Punmanee	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'20.75"	99°26'9.12"	11.85	11.68	292.00	12/21/2018	161
138	Mrs.Sudsaipin Wongtharatip	1	Thung Rang, Kanchanadit, Suratthani	9° 1'51.71"	99°23'42.68"	6.76	6.76	169.05	12/25/2018	162
139	Mr.Chainarong Chumkhiao 1	1*	Chang Khwa, Kanchanadit, Suratthani	9° 3'35.57"	99°26'21.46"	1.72	1.40	35.01	12/21/2018	164
	Mr.Chainarong Chumkhiao 2	2	Thung Rang, Kanchanadit, Suratthani	9° 5'2.15"	99°26'4.57"	0.80	0.80	20.00	12/21/2018	
	Mr.Chainarong Chumkhiao 3	3	Thung Rang, Kanchanadit, Suratthani	9° 4'56.88"	99°26'9.92"	1.07	1.07	26.79	12/21/2018	
	Mr.Chainarong Chumkhiao 4	4	Chang Sai, Kanchanadit, Suratthani	9° 3'14.59"	99°28'6.18"	1.22	1.22	0.00	12/21/2018	
140	Mr.Sombat Tongplot	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'25.26"	99°26'30.10"	2.16	2.16	54.03	12/22/2018	165
141	Mr.Prasit Detkoed	1	Thung Rang, Kanchanadit, Suratthani	9° 3'3.05"	99°23'54.17"	5.72	5.56	139.03	12/22/2018	166
142	Mrs.Panitcha Kongphayak	1	Chang Sai, Kanchanadit, Suratthani	9° 0'49.04"	99°28'20.58"	3.35	3.35	83.79	12/21/2018	167
	Mrs.Panitcha Kongphayak 2	2*	Changsai, Kanchanadit, Suratthani	9° 4'27.67"	99°30'8.29"	1.99	1.99	0.00	12/21/2018	
143	Mrs.Sudamorn Kanurai	1	Chang Khwa, Kanchanadit, Suratthani	9° 5'15.83"	99°26'52.97"	4.85	4.85	121.36	12/25/2018	168
144	Mr.Arinphob Thuadsin	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'25.40"	99°26'10.72"	1.69	1.69	42.24	12/21/2018	169



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (H	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
145	Mrs.Fuangfa Nawarat 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'26.62"	99°27'12.48"	2.13	2.13	53.24	12/21/2018	170
	Mrs.Fuangfa Nawarat 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 7'27.30"	99°26'51.02"	1.31	1.31	32.68	12/21/2018	
146	Mr.Somchat Saengao	1	Krut, Kanchanadit, Suratthani	9° 6'31.54"	99°30'57.39"	1.87	1.71	42.80	12/21/2018	171
147	Mr.Thanongsak Sakunphan	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'31.34"	99°26'2.26"	3.89	3.41	85.23	12/21/2018	172
148	Mr.Suriyan Thapmueang	1	Chang Sai, Kanchanadit, Suratthani	9° 5'33.01"	99°27'43.28"	2.36	1.70	42.61	12/24/2018	173
149	Mr.Amphon Suksanit 1	1	Chang Sai, Kanchanadit, Suratthani	9° 5'17.25"	99°28'3.70"	1.76	1.76	44.03	12/24/2018	174
	Mr.Amphon Suksanit 2	2*	Chang Sai, Kanchanadit, Suratthani	9° 5'2.80"	99°28'5.76"	1.19	1.19	29.74	12/24/2018	
	Mr.Amphon Suksanit 3	3	Chang Sai, Kanchanadit, Suratthani	9° 4'33.54"	99°27'49.08"	1.91	1.89	47.16	12/24/2018	
	Mr.Amphon Suksanit 4	4	Chang Sai, Kanchanadit, Suratthani	9° 4'48.09"	99°28'31.13"	4.67	1.79	44.83	12/24/2018	
150	Mr.Aunpachai Mueangmee 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'20.93"	99°25'56.87"	0.84	0.52	13.01	12/22/2018	175
	Mr.Aunpachai Mueangmee 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 2'50.42"	99°26'21.28"	2.14	1.98	49.41	12/22/2018	
	Mr.Aunpachai Mueangmee 3	3*	Chang Khwa, Kanchanadit, Suratthani	9° 4'16.04"	99°26'10.52"	1.91	1.91	47.66	12/22/2018	
	Mr.Aunpachai Mueangmee 4	4	Chang Khwa, Kanchanadit, Suratthani	9° 4'12.03"	99°26'15.09"	0.54	0.54	13.62	12/22/2018	
151	Mr.Chalat Promsahwat	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'18.61"	99°26'30.44"	1.19	1.19	29.81	12/21/2018	176
152	Mr.Thanawat Chamroenwong	1	Krut, Kanchanadit, Suratthani	9° 4'20.09"	99°33'11.67"	6.09	1.53	38.34	12/22/2018	177
153	Mr.Udomsak Nasdasana 1	1	Thung Rang, Kanchanadit, Suratthani	9° 2'32.40"	99°25'16.53"	18.24	18.24	455.90	12/22/2018	179
	Mr.Udomsak Nasdasana 2	2	Thung Rang, Kanchanadit, Suratthani	9° 2'40.82"	99°23'15.61"	6.50	6.48	162.04	12/22/2018	
154	Mr.Suchin Rotkhum	1	Thung Rang, Kanchanadit, Suratthani	9° 3'1.76"	99°23'48.41"	4.67	4.24	106.02	12/12/2019	180
155	Miss.Poontita Walairat 1	1	Thung Rang, Kanchanadit, Suratthani	9° 2'55.16"	99°23'52.28"	9.31	8.34	208.59	12/11/2019	181
	Miss.Poontita Walairat 2	2	Khun Thale,Mueang, Suratthani	9° 3'47.51"	99°21'14.39"	1.76	1.76	43.91	12/11/2019	
156	Mrs.Teeranat Charoonrat	1	Thung Rang, Kanchanadit, Suratthani	9° 2'21.65"	99°25'22.96"	10.95	10.95	273.70	12/14/2019	182



No	Name of farmer	Plot No.	Location			Area Su (Ha	•	Forecasted annual FFB Production		Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	(MT)		ID
157	Mrs.Kanchana palanuson	1*	Thung Rang, Kanchanadit, Suratthani	9° 0'48.69"	99°24'18.91"	7.53	7.52	188.00	12/12/2019	183
158	Mr.Pasakorn Aksorntip	1	Thung Rang, Kanchanadit, Suratthani	9° 1'33.13"	99°23'44.01"	9.32	9.24	230.88	12/14/2019	184
159	Miss.Kannika Rotkhum	1	Thung Kong, Kanchanadit, Suratthani	9° 6'16.59"	99°24'7.28"	5.98	5.66	141.47	12/13/2019	185
160	Mrs.Duangjai Thamcharoen	1	Thung Rang, Kanchanadit, Suratthani	9° 3'57.53"	99°24'26.13"	4.32	4.20	105.00	12/11/2019	186
161	Mr.Phaisan Laksanachu	1	Thung Rang, Kanchanadit, Suratthani	9° 2'43.36"	99°23'42.72"	2.47	0.96	24.00	12/14/2019	187
162	Mr.Sukrit Ratanaluerungroj	1	Thung Rang, Kanchanadit, Suratthani	9° 3'53.44"	99°25'22.24"	7.96	7.96	198.92	12/14/2019	188
163	Mr.Natthawet Kolaka 1	1	Thung Kong, Kanchanadit, Suratthani	9° 6'52.24"	99°24'1.33"	1.89	1.89	47.26	12/12/2019	189
	Mr.Natthawet Kolaka 2	2	Thung Kong, Kanchanadit, Suratthani	9° 7'59.50"	99°23'58.07"	1.97	1.97	49.30	12/12/2019	189
164	Mr.Fangphas Boonliang 1	1	Thung Kong, Kanchanadit, Suratthani	9° 5'57.46"	99°24'4.85"	23.82	23.82	595.58	12/14/2019	190
	Mr.Fangphas Boonliang 2	2	Khun Thale,Mueang, Suratthani	9° 4'14.20"	99°21'10.92"	4.03	4.03	100.86	12/14/2019	
	Mr.Fangphas Boonliang 3	3	Wat Pradu,Mueang, Suratthani	9° 3'51.08"	99°18'7.40"	4.67	4.67	116.63	12/14/2019	
165	Mr.Sophit Khlailuea	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'42.58"	99°26'19.56"	1.85	1.85	46.21	12/11/2019	191
166	Mrs.Kwannipa Saknarong	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'23.58"	99°26'17.75"	1.42	1.22	30.61	12/13/2019	192
167	Mrs.Yindee Saknarong	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'24.86"	99°26'20.29"	0.42	0.40	10.00	12/11/2019	193
168	Mr.Peerapat Nacsiri	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'49.95"	99°27'12.62"	2.50	2.40	60.00	12/13/2019	194
169	Mr.Saroch Natithamkul 1	1	Khun Thale,Mueang, Suratthani	9° 3'23.49"	99°21'9.56"	2.97	2.81	70.16	12/12/2019	196
	Mr.Saroch Natithamkul 2	2	Tha Uthae, Kanchanadit, Suratthani	9° 9'45.05"	99°34'14.58"	3.71	3.61	90.34	12/12/2019	
170	Mrs.Tippawan Thanfu	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'31.99"	99°26'28.39"	1.18	1.18	29.61	12/14/2019	197
171	Mr.Phairot Ritbunyakon	1	Khun Thale,Mueang, Suratthani	8°59'52.76"	99°22'14.11"	4.00	4.00	100.09	12/14/2019	198
172	Mr.Apiseat Rattananikom	1	Makham Tia,Mueang, Suratthani	9° 6'47.79"	99°22'1.80"	3.20	3.04	76.12	12/12/2019	199
173	Mrs.Nanthaphak Aomee	1	Krut, Kanchanadit, Suratthani	9° 5'52.24"	99°30'48.14"	3.87	3.79	94.81	12/13/2019	200



No	Name of farmer	Plot	Location	GPS Re	eference	Area Su	mmarv	Forecasted	Date of	Small
140	Nume of furnier	No.	Location			(H		annual FFB Production	joining	holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	(MT)		ID
174	Mr.Chalong Khemchaeng	1	Chang Khwa, Kanchanadit, Suratthani	9° 0'36.46"	99°26'37.26"	2.13	2.13	53.25	12/12/2019	201
175	Mrs.Suthin Chuphrom 1	1	Chang Sai, Kanchanadit, Suratthani	9° 3'56.66"	99°29'59.55"	1.81	1.81	45.14	12/11/2019	202
	Mrs.Suthin Chuphrom 2	2	Krut, Kanchanadit, Suratthani	9° 7'47.04"	99°29'40.46"	1.53	1.53	0.00	12/11/2019	
176	Mrs.Churee Chaikum 1	1	Chang Sai, Kanchanadit, Suratthani	9° 4'43.09"	99°29'48.81"	3.79	3.72	93.04	12/11/2019	203
	Mrs.Churee Chaikum 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 7'36.93"	99°27'46.56"	1.05	1.05	0.00	12/11/2019	
	Mrs.Churee Chaikum 3	3	Changsai, Kanchanadit, Suratthani	9° 5'12.21"	99°29'6.94"	2.40	2.40	0.00	14/12/2019	
177	Mrs.Pratum Sutwan	1	Makham Tia,Mueang, Suratthani	9° 5'12.94"	99°22'22.05"	1.04	1.04	26.05	12/14/2019	204
	Mrs.Pratum Sutwan 2	2	Makham Tia,Mueang, Suratthani	9° 5'13.83"	99°22'37.58"	2.44	2.44	60.97	12/14/2019	
	Mrs.Pratum Sutwan	3	Khun Thale,Mueang, Suratthani	9° 4'40.75"	99°22'32.00"	0.76	0.76	18.90	12/14/2019	
178	Mrs.Kanya Sutwan 1	1	Makham Tia,Mueang, Suratthani	9° 4'39.37"	99°22'37.75"	1.91	0.96	24.00	12/14/2019	205
	Mrs.Kanya Sutwan 2	2	Makham Tia,Mueang, Suratthani	9° 5'33.18"	99°22'23.60"	0.83	0.83	20.84	12/14/2019	
	Mrs.Kanya Sutwan 3	3	Makham Tia,Mueang, Suratthani	9° 5'35.98"	99°22'15.66"	0.87	0.83	20.71	12/14/2019	
179	Mr.Kittisak Suebdod	1	Khun Thale,Mueang, Suratthani	9° 4'0.15"	99°23'20.04"	0.73	0.57	14.37	12/14/2019	206
180	Mr.Ching Crutthong	1	Khun Thale,Mueang, Suratthani	9° 3'35.07"	99°22'23.28"	4.01	3.85	96.24	12/11/2019	207
181	Mr.Banchong Wonhwichien	1	Khun Thale,Mueang, Suratthani	9° 3'6.87"	99°23'13.70"	1.00	0.96	24.00	12/12/2019	208
	Mr.Banchong Wonhwichien 2	2*	Khun Thale,Mueang, Suratthani	9° 2'59.99"	99°23'8.35"	3.60	3.60	0.00	12/12/2019	
182	Mrs.Jirapa Srithip	1	Khun Thale,Mueang, Suratthani	9° 3'10.54"	99°23'4.81"	3.44	3.44	85.89	12/13/2019	209
183	Mr.Teerasak Maneerat 1	1	Khun Thale,Mueang, Suratthani	9° 3'0.11"	99°22'44.99"	1.60	1.60	40.00	12/11/2019	210
	Mr.Teerasak Maneerat 2	2	Khun Thale,Mueang, Suratthani	9° 3'17.19"	99°23'0.47"	1.97	1.65	41.20	12/11/2019	
	Mr.Teerasak Maneerat 3	3*	Khun Thale,Mueang, Suratthani	9° 3'4.04"	99°23'16.93"	0.99	0.99	0.00	12/11/2019	
184	Mr.Prapoj Khunthongjun 1	1	Khun Thale,Mueang, Suratthani	8°59'17.30"	99°20'20.82"	6.29	6.29	157.23	12/11/2019	211



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
	Mr.Prapoj Khunthongjun 2	2	Khun Thale,Mueang, Suratthani	8°58'36.73"	99°21'26.77"	4.37	4.37	109.24	12/11/2019	
	Mr.Prapoj Khunthongjun 3	3	Khun Thale,Mueang, Suratthani	9° 0'4.29"	99°20'10.15"	4.47	4.47	111.82	12/11/2019	
185	Miss.Naree Khnawittaya 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'4.30"	99°27'41.62"	2.21	2.21	55.35	12/12/2019	212
	Miss.Naree Khnawittaya 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 1'5.58"	99°27'33.53"	0.41	0.41	10.25	12/12/2019	
186	Miss.Yananthon Chaichan	1	Chang Khwa, Kanchanadit, Suratthani	9° 2'8.05"	99°26'27.87"	2.40	1.28	32.01	12/12/2019	213
187	Mr.Komon Poungfu	1	Thung Rang, Kanchanadit, Suratthani	9° 1'6.53"	99°25'56.30"	1.79	1.77	44.37	12/12/2019	215
188	Mrs.Saeing Chauykerd	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'34.51"	99°26'31.37"	2.32	2.32	57.91	12/11/2019	216
189	Mr.Matee Phetklap 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'21.76"	99°26'14.69"	1.00	1.00	25.00	5/29/2020	217
	Mr.Matee Phetklap 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 6'50.15"	99°25'40.71"	3.40	2.76	69.05	5/29/2020	
	Mr.Matee Phetklap 3	3	Chang Khwa, Kanchanadit, Suratthani	9° 6'22.65"	99°25'41.87"	1.15	1.05	26.29	5/29/2020	
190	Mrs.Rabiab Promtong	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'0.88"	99°25'59.03"	1.04	1.04	26.03	5/29/2020	218
191	Mr.Samnao Chimrung 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'41.47"	99°26'10.29"	1.60	1.60	40.00	5/29/2020	219
	Mr.Samnao Chimrung 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 3'17.42"	99°26'18.52"	0.32	0.20	5.00	5/29/2020	
192	Miss.Sakorn Kongsub 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 0'40.17"	99°27'50.71"	12.21	12.21	305.35	5/29/2020	220
	Miss.Sakorn Kongsub 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 1'10.12"	99°27'0.08"	5.02	3.90	97.38	5/29/2020	
	Miss.Sakorn Kongsub 3	3	Chang Khwa, Kanchanadit, Suratthani	9° 4'4.41"	99°25'45.24"	4.82	3.18	79.57	5/29/2020	
193	Mr.Auttapon Chaisuwan	1	Chang Sai, Kanchanadit, Suratthani	8°59'26.17"	99°29'27.22"	5.22	5.22	130.61	5/29/2020	223
194	Mr.Surin Thonhsawad	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'2.24"	99°27'49.97"	3.10	3.02	75.59	5/29/2020	224
195	Mr.sathit promrit	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'36.01"	99°27'35.75"	2.55	2.21	55.17	5/29/2020	225
196	Mr.Chaiwat Chotiwetsin 1	1	Thung Rang, Kanchanadit, Suratthani	9° 4'9.12"	99°23'39.77"	5.88	5.88	146.88	5/29/2020	226
	Mr.Chaiwat Chotiwetsin 2	2	Thung Rang, Kanchanadit, Suratthani	8°59'31.96"	99°25'11.30"	16.00	15.68	392.00	5/29/2020	



No	Name of farmer	Plot	Location	GPS Re	eference	Area Su	mmary	Forecasted	Date of	Small
		No.				(H	a)	annual FFB Production	joining	holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	(MT)		ID
197	Mr.Prasoet Phetphailin 1	1	Thung Rang, Kanchanadit, Suratthani	9° 4'35.70"	99°24'22.28"	3.58	2.78	69.43	5/29/2020	227
	Mr.Prasoet Phetphailin 2	2	Thung Rang, Kanchanadit, Suratthani	9° 4'26.45"	99°24'34.15"	1.12	1.12	28.02	5/29/2020	
198	Mr.Surasak Promheet	1	Thung Rang, Kanchanadit, Suratthani	9° 2'42.70"	99°25'26.03"	2.29	2.17	54.14	5/29/2020	228
199	Mrs.Jantip Kongphayak	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'25.95"	99°25'22.02"	2.21	2.21	55.22	5/29/2020	230
200	Mr.Tanin Inchu	1	Chang Sai, Kanchanadit, Suratthani	9° 3'16.04"	99°28'53.08"	5.97	5.97	149.37	5/29/2020	231
201	Mrs.Ooraphen Chumkhiao	1	Thung Rang, Kanchanadit, Suratthani	9° 5'2.52"	99°26'1.92"	0.69	0.68	17.00	5/29/2020	232
202	Miss.Kansuda Sudchit	1	Thung Rang, Kanchanadit, Suratthani	9° 0'38.04"	99°24'44.85"	3.03	2.51	62.67	5/29/2020	233
203	Mr.Manit Suphatharapathip	1	Chang Sai, Kanchanadit, Suratthani	9° 2'48.86"	99°29'57.35"	2.36	0.64	16.00	5/29/2020	234
204	Mr.Thanaphat Prompahakul	1	Khun Thale,Mueang, Suratthani	9° 4'14.60"	99°20'29.60"	1.36	1.16	29.11	5/29/2020	235
205	Mrs.Siriphorn Nuchouy 1	1	Khun Thale,Mueang, Suratthani	9° 3'32.40"	99°22'41.73"	0.95	0.92	23.00	5/29/2020	236
	Mrs.Siriphorn Nuchouy 2	2	Khun Thale,Mueang, Suratthani	9° 3'19.78"	99°22'50.26"	4.02	3.84	0.00	5/29/2020	
206	Mrs.Tanyatorn Pitipuwatanadet	1	Khun Thale,Mueang, Suratthani	9° 3'23.30"	99°19'53.05"	1.57	1.57	39.16	5/29/2020	237
207	Mr.Anuchar Suttirak 1	1	Khun Thale,Mueang, Suratthani	9° 3'31.94"	99°20'50.98"	2.44	2.28	56.91	5/29/2020	238
	Mr.Anuchar Suttirak 2	2	Khun Thale,Mueang, Suratthani	9° 3'26.73"	99°20'49.51"	0.87	0.87	21.81	5/29/2020	
208	Mr.Somkiarti Nakphin	1	Chang Khwa, Kanchanadit, Suratthani	9° 2'5.56"	99°27'45.01"	1.47	1.47	36.68	5/29/2020	240
209	Mr.Prasit Plongsuwan	1	Thung Kong, Kanchanadit, Suratthani	9° 6'47.74"	99°23'39.46"	2.60	2.60	65.07	5/29/2020	241
210	Mr.Witthaya Jaengakson 1	1	Takhianthong, Kanchanadit, Suratthani	9° 9'49.39"	99°25'54.06"	5.67	5.51	137.76	5/29/2020	242
	Mr.Witthaya Jaengakson 2	2	Takhianthong, Kanchanadit, Suratthani	9°10'5.85"	99°25'47.55"	2.43	2.43	60.69	5/29/2020	
211	Mr.Chaiwat Deecharoenkul	1	Chang Sai, Kanchanadit, Suratthani	9° 4'53.04"	99°29'27.18"	13.05	12.99	324.69	5/29/2020	243
212	Mr.Phichet Chokchaikawin 1	1	Thung Rang, Kanchanadit, Suratthani	9° 2'41.86"	99°24'30.27"	19.13	18.81	470.24	5/29/2020	245
	Mr.Phichet Chokchaikawin 2	2	Thung Rang, Kanchanadit, Suratthani	9° 2'54.32"	99°24'6.39"	3.36	3.36	84.00	5/29/2020	



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (H	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
	Mr.Phichet Chokchaikawin 3	3	Khun Thale,Mueang, Suratthani	9° 3'40.17"	99°22'21.49"	8.01	7.69	192.28	5/29/2020	
	Mr.Phichet Chokchaikawin 4	4	Makham Tia,Mueang, Suratthani	9° 5'53.08"	99°20'38.30"	3.36	2.88	72.12	5/29/2020	
	Mr.Phichet Chokchaikawin 5	5	Bang Kung,Mueang, Suratthani	9° 8'45.23"	99°21'8.08"	3.09	3.09	77.27	5/29/2020	
	Mr.Phichet Chokchaikawin 6	6	Bang Kung,Mueang, Suratthani	9° 8'49.49"	99°21'13.63"	2.08	1.72	42.91	5/29/2020	
	Mr.Phichet Chokchaikawin 7	7	Makham Tia,Mueang, Suratthani	9° 7'8.25"	99°20'53.12"	0.85	0.85	21.37	5/29/2020	
	Mr.Phichet Chokchaikawin 8	8	Nong Sai,Phun Phin,Suratthani	9° 7'11.60"	99° 8'20.62"	6.77	6.75	168.86	5/29/2020	
213	Mrs.Wilawan Ditai 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'23.53"	99°26'54.69"	1.03	1.03	25.84	5/29/2020	246
	Mrs.Wilawan Ditai 2	2*	Chang Khwa, Kanchanadit, Suratthani	9° 7'6.50"	99°26'48.54"	1.55	1.55	38.76	5/29/2020	
214	Mrs.Ratree Toonchalard	1	Thung Rang, Kanchanadit, Suratthani	9° 3'8.22"	99°23'48.67"	0.92	0.92	23.01	5/29/2020	247
215	Mr.Sampan Thongplod	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'45.50"	99°27'49.79"	1.51	1.51	37.68	5/29/2020	248
216	Mr.Suthep Gunurai	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'30.26"	99°25'27.41"	1.53	1.53	38.20	5/29/2020	249
217	Mr.Chamnong Singso	1	Wat Pradu,Mueang, Suratthani	9° 2'54.48"	99°18'39.05"	0.24	0.22	5.49	5/29/2020	250
218	Mr.Adison Mekanan 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 2'49.32"	99°26'27.73"	0.85	0.81	20.30	5/29/2020	251
	Mr.Adison Mekanan 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 2'12.34"	99°26'42.29"	9.51	9.51	237.75	5/29/2020	
219	Mrs.Bunkuea Sarathip	1	Thung Rang, Kanchanadit, Suratthani	9° 1'32.51"	99°26'1.61"	5.54	1.86	46.46	5/29/2020	252
220	Mr.Preecha Phetnui	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'20.80"	99°27'24.98"	3.84	3.84	96.11	5/29/2020	253
221	Mr.Chot Phophon	1	Thung Rang, Kanchanadit, Suratthani	9° 2'57.03"	99°25'13.65"	1.45	1.13	28.32	5/29/2020	254
222	Mr.Suwannee Wongauthai	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'38.06"	99°25'46.66"	1.56	1.34	33.48	5/29/2020	256
223	Mr.Suban Chaiyachen	1	Chang Khwa, Kanchanadit, Suratthani	9° 2'29.71"	99°26'32.94"	5.75	5.73	143.36	5/29/2020	257
224	Mrs.Chaluai Witthi	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'49.07"	99°26'4.02"	5.73	1.57	39.25	5/29/2020	258
225	Mrs.Suniya Petkliang	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'23.31"	99°26'35.07"	1.63	1.32	33.06	5/29/2020	259



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (Ha	•	Forecasted annual FFB	B joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
	Mrs.Suniya Petkliang 2	2*	Chang Khwa, Kanchanadit, Suratthani	9° 3'12.97"	99°27'12.98"	0.93	0.93	0.00	5/29/2020	
226	Miss.Wilaiwan Wichaidit	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'27.18"	99°26'56.70"	1.44	1.16	28.99	5/29/2020	260
227	Miss.Kanjanee Kongsup 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'18.48"	99°27'3.00"	3.57	1.33	33.32	5/29/2020	261
	Miss.Kanjanee Kongsup 2	2*	Chang Khwa, Kanchanadit, Suratthani	9° 1'42.63"	99°25'43.19"	6.97	4.64	40.00	5/29/2020	261
228	Mr.Phaisan Rakchan	1	Chang Khwa, Kanchanadit, Suratthani	9° 2'51.27"	99°27'17.29"	1.14	0.98	24.61	5/29/2020	262
229	Mr.Sutthiphong Kongphayak	1	Chang Sai, Kanchanadit, Suratthani	9° 3'46.89"	99°27'39.46"	3.31	2.93	73.30	5/29/2020	263
230	Mr.Wijit Kongjaroen 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'26.24"	99°25'50.46"	3.16	3.16	78.92	5/29/2020	264
	Mr.Wijit Kongjaroen 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 7'32.39"	99°25'59.99"	3.01	2.05	51.36	5/29/2020	
	Mr.Wijit Kongjaroen 3	З	Chang Khwa, Kanchanadit, Suratthani	9° 7'15.19"	99°26'47.93"	0.62	0.62	15.40	5/29/2020	
231	Mr.Srisak Srisawad	1	Thung Tao Mai,Ban Na San,Suratthani	8°57'40.53"	99°23'26.24"	0.71	0.71	17.67	5/29/2020	266
232	Mrs.Chutharat Kolaka 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'5.53"	99°25'56.64"	1.17	1.17	29.23	5/29/2020	267
	Mrs.Chutharat Kolaka 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 6'2.96"	99°25'59.25"	0.80	0.80	20.00	5/29/2020	
	Mrs.Chutharat Kolaka 3	3	Thung Kong, Kanchanadit, Suratthani	9° 6'19.41"	99°24'30.13"	1.03	1.03	0.00	29/5/2020	
	Mrs.Chutharat Kolaka 4	4*	Changsai, Kanchanadit, Suratthani	9° 3'27.75"	99°28'49.52"	3.62	3.62	0.00	29/5/2020	
233	Mr.Sathian Charucharit	1	Changsai, Kanchanadit, Suratthani	9° 7'29.95"	99°27'49.74"	1.43	1.43	35.76	7/7/2023	268
234	Miss Suppharat Phetrat	1	Chang Khwa, Kanchanadit, Suratthani	9° 3'47.82"	99°27'33.40"	0.84	0.80	20.00	7/7/2023	269
235	Mr.Pinyo Maitonggam 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'1.56"	99°26'31.32"	2.66	1.70	42.41	7/7/2023	270
	Mr.Pinyo Maitonggam 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 1'0.88"	99°26'40.04"	2.14	0.88	22.00	7/7/2023	
	Mr.Pinyo Maitonggam 3	3	Chang Khwa, Kanchanadit, Suratthani	9° 1'6.46"	99°26'42.48"	3.86	3.80	95.00	7/7/2023	
	Mr.Pinyo Maitonggam 4	4*	Chang Khwa, Kanchanadit, Suratthani	9° 1'17.76"	99°26'45.79"	2.31	2.14	53.48	7/7/2023	270
236	Mr.Sinnarong Narkpin 1	1*	Changsai, Kanchanadit, Suratthani	9° 2'3.28"	99°28'14.95"	5.11	3.20	0.00	7/7/2023	271



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (H	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
	Mr.Sinnarong Narkpin 2	2	Thung Kong, Kanchanadit, Suratthani	9° 5'41.09"	99°25'30.85"	2.46	2.45	61.26	7/7/2023	
	Mr.Sinnarong Narkpin 3	3	Thung Kong, Kanchanadit, Suratthani	9° 5'55.06"	99°25'8.75"	0.65	0.65	16.26	7/7/2023	
234	Mr.Tawatchai Wangsud	1	Changsai, Kanchanadit, Suratthani	9° 5'23.29"	99°28'37.02"	1.12	1.12	28.00	7/7/2023	272
238	Mr.Thongchai Nuntong	1	Changsai, Kanchanadit, Suratthani	9° 3'51.52"	99°29'51.44"	2.75	1.92	48.00	7/7/2023	273
239	Mr.Suraporn Thueaksuban 1	1*	Changsai, Kanchanadit, Suratthani	9° 4'28.08"	99°27'38.16"	2.40	2.40	60.10	7/7/2023	274
	Mr.Suraporn Thueaksuban 2	2	Changsai, Kanchanadit, Suratthani	9° 5'25.88"	99°27'41.59"	6.17	6.17	0.00	7/7/2023	
	Mr.Suraporn Thueaksuban 3	3	Changsai, Kanchanadit, Suratthani	9° 5'9.84"	99°28'16.63"	1.86	1.12	0.00	7/7/2023	
240	Mr.Phairat Nunthong	1	Changsai, Kanchanadit, Suratthani	9° 3'55.78"	99°29'50.92"	2.29	2.29	57.22	7/7/2023	275
241	Mr.Sommai Kliangmuni	1*	Changsai, Kanchanadit, Suratthani	9° 4'13.77"	99°29'18.51"	9.15	3.87	68.69	7/7/2023	276
242	Mr.Jinda Hitnu	1	Chang Khwa, Kanchanadit, Suratthani	9° 5'21.19"	99°26'22.60"	1.10	0.94	0.00	7/7/2023	277
243	Mr.Pattanapong Phetkaew	1	Chang Khwa, Kanchanadit, Suratthani	9° 5'15.89"	99°26'32.07"	3.65	3.64	91.00	7/7/2023	278
244	Mr.Sayan Khonkan	1	Changsai, Kanchanadit, Suratthani	9° 4'21.85"	99°27'31.40"	1.56	1.56	0.00	7/7/2023	279
245	Miss Nkhaya Kongsap 1	1*	Chang Khwa, Kanchanadit, Suratthani	9° 1'3.17"	99°27'11.09"	6.14	4.96	124.00	7/7/2023	280
	Miss Nkhaya Kongsap 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 1'14.08"	99°27'28.54"	1.98	1.18	0.00	7/7/2023	
246	Mr.Sunthon Kongsap	1	Chang Khwa, Kanchanadit, Suratthani	9° 1'4.40"	99°27'6.93"	4.19	4.16	0.00	7/7/2023	281
247	Mr.Banphod Bunchu	1	Thung Rang, Kanchanadit, Suratthani	9° 5'31.53"	99°26'1.50"	0.86	0.80	0.00	7/7/2023	282
248	Mr.Phongphan Aiangrod	1*	Thung Rang, Kanchanadit, Suratthani	9° 3'1.81"	99°24'23.59"	2.13	2.13	0.00	7/7/2023	283
249	Miss Saifon Phinchu	1*	Chang Khwa, Kanchanadit, Suratthani	9° 2'9.26"	99°26'6.48"	7.40	2.08	52.00	7/7/2023	284
250	Mr.Kanit Thongvilai	1	Chang Khwa, Kanchanadit, Suratthani	9° 4'15.82"	99°25'51.78"	3.98	3.92	98.12	7/7/2023	285
251	Mr.Bamrung Bunchoo 1	1	Thung Kong, Kanchanadit, Suratthani	9° 7'4.05"	99°24'22.63"	1.15	1.15	28.68	7/7/2023	286
	Mr.Bamrung Bunchoo 2	2	Changsai, Kanchanadit, Suratthani	9° 3'28.21"	99°27'52.71"	1.75	1.75	0.00	7/7/2023	



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (H		Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
252	Mr.Rungrot Promprasit	1*	Changsai, Kanchanadit, Suratthani	9° 3'56.91"	99°29'23.11"	11.56	4.80	120.00	7/7/2023	287
253	Mr.Paiboon Charoenpakdee 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 6'35.49"	99°27'27.29"	2.82	2.82	70.56	7/7/2023	288
	Mr.Paiboon Charoenpakdee 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 7'14.80"	99°27'56.51"	0.91	0.91	0.00	7/7/2023	
254	Mr.Somporn Janyai 1	1	Thung Rang, Kanchanadit, Suratthani	9° 4'36.99"	99°25'57.65"	0.67	0.67	16.74	7/7/2023	289
	Mr.Somporn Janyai 2	2	Thung Rang, Kanchanadit, Suratthani	9° 5'2.79"	99°26'14.64"	1.22	1.22	0.00	7/7/2023	
255	Mr.Banphod Janyai	1	Thung Rang, Kanchanadit, Suratthani	9° 5'3.00"	99°26'11.48"	2.04	1.92	48.00	7/7/2023	290
256	Mr.Montri Meeaupkran 1	1*	Chang Khwa, Kanchanadit, Suratthani	9° 0'46.84"	99°28'1.96"	3.10	3.10	77.52	7/7/2023	291
	Mr.Montri Meeaupkran 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 6'35.22"	99°27'33.30"	1.88	1.88	0.00	7/7/2023	
257	Mr.Somphong Saladkaew	1	Thung Rang, Kanchanadit, Suratthani	9° 4'56.28"	99°23'29.45"	2.84	2.80	70.04	7/7/2023	292
258	Mr.Thiwa Khanawitthaya 1	1	Changsai, Kanchanadit, Suratthani	9° 4'59.62"	99°28'6.86"	1.71	1.71	42.81	7/7/2023	293
	Mr.Thiwa Khanawitthaya 2	2	Changsai, Kanchanadit, Suratthani	9° 5'4.82"	99°28'24.19"	2.96	2.96	74.11	7/7/2023	
	Mr.Thiwa Khanawitthaya 3	3*	Krut, Kanchanadit, Suratthani	9° 6'57.49"	99°31'24.81"	5.23	5.23	130.71	7/7/2023	
	Mr.Thiwa Khanawitthaya 4	4	Changsai, Kanchanadit, Suratthani	8°59'20.75"	99°27'10.73"	7.54	7.50	187.46	7/7/2023	
259	Mr.Thanachon Jitnawong	1	Thung Rang, Kanchanadit, Suratthani	9° 0'46.81"	99°24'58.69"	5.34	2.90	0.00	7/7/2023	294
260	Miss Woranart Suwanawong	1	Changsai, Kanchanadit, Suratthani	9° 0'34.12"	99°29'20.82"	6.35	6.31	157.74	7/7/2023	295
261	Mr.Patompong Silapee 1	1	Krut, Kanchanadit, Suratthani	9° 6'55.22"	99°30'53.52"	1.86	1.12	28.00	7/7/2023	296
	Mr.Patompong Silapee 2	2*	Krut, Kanchanadit, Suratthani	9° 7'37.50"	99°32'54.59"	9.93	2.88	72.00	7/7/2023	
	Mr.Patompong Silapee 3	3	Krut, Kanchanadit, Suratthani	9° 8'33.43"	99°29'30.87"	2.59	2.45	61.35	7/7/2023	
262	Mr.Sombat Thuadsin 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'6.40"	99°26'24.09"	4.07	2.75	68.72	7/7/2023	297
	Mr.Sombat Thuadsin 2	2	Chang Khwa, Kanchanadit, Suratthani	9° 7'1.06"	99°26'21.92"	0.93	0.93	23.19	7/7/2023	
	Mr.Sombat Thuadsin 3	3	Chang Khwa, Kanchanadit, Suratthani	9° 7'10.50"	99°26'17.97"	0.71	0.71	17.82	7/7/2023	



No	Name of farmer	Plot No.	Location	GPS Re	eference	Area Su (H	•	Forecasted annual FFB	Date of joining	Small holder
				Latitude (N)	Longitude (E)	Total Certified Area	Planted Area	Production (MT)		ID
263	Mr.Taweesit Kobvattanakul 1	1*	Changsai, Kanchanadit, Suratthani	9° 5'19.38"	99°27'40.06"	2.80	2.16	0.00	7/7/2023	298
	Mr.Taweesit Kobvattanakul 2	2	Tha Chi,Ban Na San,Suratthani	8°47'18.02"	99°15'58.22"	4.09	4.09	102.19	7/7/2023	
264	Mr.Narong Kunrat 1	1	Tha Chi,Ban Na San,Suratthani	8°45'40.01"	99°17'21.95"	1.59	1.59	39.63	7/7/2023	299
	Mr.Narong Kunrat 2	2	Nampu,Ban Na San,Suratthani	8°45'14.88"	99°17'59.79"	0.53	0.53	13.34	7/7/2023	
265	Mr.Wichanon Ngamsa-nga 1	1*	Pa Ron, Kanchanadit, Suratthani	9° 2'49.23"	99°33'45.75"	5.53	5.53	138.35	7/7/2023	300
	Mr.Wichanon Ngamsa-nga 2	2	Pa Ron, Kanchanadit, Suratthani	9° 2'26.29"	99°33'18.81"	4.29	4.29	107.26	7/7/2023	
	Mr.Wichanon Ngamsa-nga 3	3	Pa Ron, Kanchanadit, Suratthani	9° 2'56.08"	99°33'20.92"	1.79	1.79	0.00	7/7/2023	
266	Mr.Penja Janchumsaeng	1	Pa Ron, Kanchanadit, Suratthani	9° 1'24.77"	99°33'11.73"	3.86	2.10	52.47	7/7/2023	301
267	Mr.Seksanti Phetloi	1	Thung Rang, Kanchanadit, Suratthani	9° 5'7.00"	99°25'52.31"	1.50	1.14	0.00	7/7/2023	302
268	Mr.Thaweesak Rotbamrung	1	Changsai, Kanchanadit, Suratthani	9° 2'37.42"	99°28'13.83"	1.30	1.29	0.00	7/7/2023	303
269	Mrs.Rattiya Phetpeng	1	Khun Thale,Mueang, Suratthani	8°58'52.49"	99°23'7.97"	4.27	3.04	76.00	7/7/2023	304
270	Mr.Supot Saepang	1	Makham Tia,Mueang, Suratthani	9° 5'49.98"	99°23'3.09"	2.21	2.08	52.00	7/7/2023	305
271	Mr.Prasit Nakpradit 1	1	Krut, Kanchanadit, Suratthani	9° 7'26.45"	99°29'23.29"	0.95	0.95	23.82	7/7/2023	306
	Mr.Prasit Nakpradit 2	2	Krut, Kanchanadit, Suratthani	9° 7'26.64"	99°29'21.04"	0.66	0.66	0.00	7/7/2023	
	Mr.Prasit Nakpradit 3	3	Changsai, Kanchanadit, Suratthani	9° 1'47.07"	99°30'31.33"	4.30	4.30	107.51	7/7/2023	
272	Mrs.Jittra Saengjan 1	1	Chang Khwa, Kanchanadit, Suratthani	9° 7'4.67"	99°26'52.50"	0.98	0.98	24.51	7/7/2023	307
	Mrs.Jittra Saengjan 2	2	Tha Sathon,Phun Phin,Suratthani	9° 1'57.94"	99°15'46.28"	3.08	3.08	0.00	7/7/2023	
	Mrs.Jittra Saengjan	3	Tha Sathon,Phun Phin,Suratthani	9° 1'57.00"	99°15'41.82"	0.80	0.80	20.00	7/7/2023	
273	Miss Auraiwan Phonphai 1	1	Changsai, Kanchanadit, Suratthani	9° 1'40.35"	99°29'46.81"	2.25	1.76	0.00	7/7/2023	308
	Miss Auraiwan Phonphai 2	2	Changsai, Kanchanadit, Suratthani	9° 1'41.30"	99°29'42.86"	1.33	1.17	0.00	7/7/2023	
			al 273 members (232 exis mbers), 473 Oil palm plot		1,509.27	1,362.65	32,066.45			
			e: * are smallholders samp		t.					



No	Name of farmer	Plot No.	Location	GPS Reference		1 0		Forecasted annual FFB	joining	Small holder
				Latitude (N)	Longitude (E)	Total Planted Certified Area Area		Production (MT)		ID
			ting member with additiona member = orange text	al plot = green	colour text					



Appendix F: List of Abbreviations

a.i Active Ingredient

BOD Biochemical Oxygen Demand

CB Certification Bodies

CHRA Chemical Health Risk Assessment

COD Chemical Oxygen Demand

CPO Crude Palm Oil

CSPO Certified Sustainable Palm Oil
CSPKO Certified Sustainable Palm Kernel Oil

EFB Empty Fruit Bunch

EHS Environmental, Health and Safety
EIA Environmental Impact Assessment
EMS Environmental Management System

FFB Fresh Fruit Bunch

FPIC Free, Prior, Informed and Consent

GAP Good Agricultural Practice

GHG Greenhouse Gas

GMP Good Manufacturing Practice
GPS Global Positioning System
HCV High Conservation Value
IPM Integrated Pest Management

IP Identity Preserved

IS - CSPO Independent Smallholder Certified Sustainable Palm Oil

IS – CSPKO Independent Smallholder Certified Sustainable Palm Kernel Oil IS – CSPKE Independent Smallholder Certified Sustainable Palm Kernel Expeller

ISCC International Sustainable Carbon Certification

ISS Independent Smallholder Standard

LD50 Lethal Dose for 50 sample

MB Mass Balance

MSDS Material Safety Data Sheet

MT Metric Tonnes
OER Oil Extraction Rate

OSH Occupational Safety and Health

PK Palm Kernel
PKO Palm Kernel Oil
POM Palm Oil Mill

POME Palm Oil Mill Effluent

PPE Personal Protective Equipment
RSPO Roundtable on Sustainable Palm Oil

P&C Principles & Criteria

RTE Rare, Threatened or Endangered species SCCS Supply Chain Certification Standard

SEIA Social & Environmental Impact Assessment

SIA Social Impact Assessment SOP Standard Operating Procedure